



DENTAL EQUIPMENT SINCE 1972



2025



Through the transition from craft to industrial production, according to the most classical history of the Italian manufacturing tradition, Dentalfarm product range has been changing and evolving along with the three generations that brought the Dentalfarm brand in thousands of dental laboratories all over the world.

The research and the development of advanced technical solutions have always been a distinctive feature the Dentalfarm offer and has lead to the realization of the widest range of blasting centres and microsandblasters on the market, strengthened by the introduction of Patented solutions as the filtration system "W.A.F.I.S" and the heated tank "D.O.S.". Dentalfarm catalogue includes also the vibrators (the first product developed by the company), a complete range of surveyors and ISO milling units, model trimmers, a motorized centrifuge casting machine and a range of electronic induction casting machines under medium frequency, vacuum mixers, burnout furnaces and porcelain furnaces and a steam generators range.

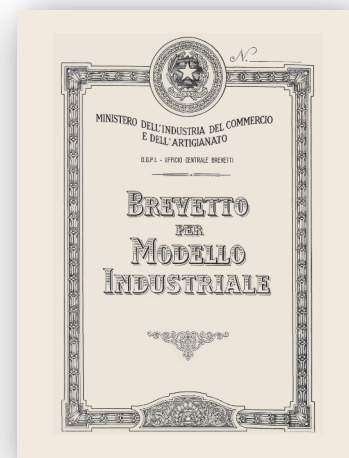
The comprehensive and well-articulated offer also includes all the equipment used to assist the daily work of a dental technician such as micromotors,



bunsen burners, e-bunsen, hot wax spatulas, air turbine, hydraulic press, polishing units, pinhole drilling unit, stump separating unit, electric suction units and an excellent range of bench led lamps with magnifier.

Fostering the company's attitude Dentalfarm decided to invest further in the last decade by introducing a variety of exclusive products for the Dental Laboratory. The IDEA and IDEA PRO sandblasters range, the PHOTOPOL PRO range, LED light-curing units for dental composites (evolution of the famous predecessor equipped with traditional UV lamps), the LC-TRAY PRO for resin trays and a new steam generator, the HYDROVAP PRO have been created.

The growing popularity of advanced technological solutions and the creation of new "digital workflows" has allowed Dentalfarm to leverage its experience in the design and engineering of a complete range of LED curing-units to post-cure 3D resins. This opportunity has led to the launch of PHOTOPOL trademark which represents a promising new chapter in the history of the company and a new fascinating journey to be taken.





"In the history of Dentalfarm we find the value of the people who lived and worked to make the company grow, here in Turin, a city rich in history and traditions that combines culture, art and architecture with the industrial tradition par excellence of our country.

It all started with my maternal grandfather, Pietro Castellano, who in 1947 had the intuition to create the first vibrator for plasters and investments for dental technicians, founding the Società Castellano. Always an enlightened man, thanks to his vision he developed other original machinery and, at the beginning of the seventies, he handed the company over to his daughter and his son-in-law.

Maria Castellano and Giuseppe Catella, my parents, created then the Dentalfarm brand in 1972, giving new strenght to the company, also thanks to the acquisition of sole agencies fot pharmaceutical products.



The third generation then, with their sons Laura and Alberto, continues the company mission by proposing innovative products through the research and marketing of cutting-edge equipment.



Today, year 2022, fifty years have passed (1972-2022).

All products designed and manufactured at our factory in Turin, in the name of cutting-edge technology and customer satisfaction, are sold in Italy through a network of distributors with whom there is a unique long-term collaboration, built on mutual knowledge and enriching relationships both personally and professionally. Our equipment are distributed all over the world through collaborations and partnerships with international dealers that recognize the uniqueness and the quality of a product that is "Made in Italy". In recent years, a relationship not only professional, but also human, was born with many of our clients, a personal relationship that is easily generated when you work with us at Dentalfarm.

I am very grateful to my parents and I thank them here officially for everything they have done in their life and not just at work. I also thank my collaborators for their constant commitment and dedication together with all our clients for the trust shown over the years and for having contributed together to achieve great goals in this half century of history."

Thanking you from the heart

Laura Catella

A handwritten signature in black ink, appearing to read 'Laura Catella', with a stylized flourish at the end.



l'innovazione come ricerca della perfezione
/ innovation: the pursuit of perfection

l'esperienza è il primo passo verso l'innovazione
/ experience: the first step towards innovation

il design al servizio della tecnologia
/ design serving technology





DENTAFARM

dental equipment since 1972

INNOVATION: THE PURSUIT OF PERFECTION

Dentalfarm has been acting as a well-established player throughout the global dental industry for more than 50 years, focusing its core business on the manufacture and distribution of equipment, accessories and consumables for the Dental Laboratory. Actively pursuing a steady growth, Dentalfarm has been able to combine both creativity and efficiency, innovation and tradition..

EXPERIENCE: THE FIRST STEP TOWARDS INNOVATION

During the course of his history, Dentalfarm has been manufacturing unique products thanks to the high quality, refinement, reliability and advanced technical solutions which have often been identified as reference starting point for the entire dental field.

Every year, Dentalfarm presents new solutions designed to combine the highest technological performance with an innovative design.

DESIGN SERVING TECHNOLOGY

A Dentalfarm product incorporates the most advanced technology in the industry with an eye for aesthetics, the more rounded and harmonious lines enhance the design of the product. The accurate choice of materials and the attention to technical details are always crucial aspects.





ECO DOS



ECO



BASE MBL



PLATINUM



ECO PLUS

dental equipment
since 1972

Blasting operation may vary according to the different applications and quite frequently the lab has no possibility to be equipped with two or even more specific units. Dentalfarm has been the very first on the market to offer dual-purpose blasting centres featuring a large working chamber for the recirculating abrasive to remove investment and casting oxidations and with built-in tanks for disposable abrasive.



IDEA



IDEA PRO

il design al servizio della tecnologia / design serving technology

Le competenze acquisite nello sviluppo di apparecchiature che utilizzano luci UV ha permesso a Dentalfarm di offrire un piccolo contributo al contrasto alla diffusione di Covid-19 con l'introduzione sul mercato di un sanificatore a LED UV-C che è in grado di inattivare virus e batteri in pochi minuti.

The expertise that Dentalfarm has acquired in the development of equipment using UV lights has allowed us to offer a small contribution to the contrast to the spread of Covid-19 with the introduction of a unique UV-C LED sanitizing unit that is able to inactivate viruses and bacteria in minutes.





L'affermazione di soluzioni tecnologiche avanzate e la creazione di "workflow digitali" ha consentito a Dentalfarm di sfruttare la propria esperienza nella progettazione e sviluppo di foto-polimerizzatori a LED per sviluppare una gamma completa di prodotti specifici per post-curing delle resine utilizzate nella stampa 3D. E' così nata la gamma PHOTOPOL.

The growing popularity of advanced technological solutions and the creation of new "digital workflows" has allowed Dentalfarm to leverage its experience in the design and engineering of a complete range of LED curing-units to post-cure 3D resins. The PHOTOPOL range is born.



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sabbiatrici e brevetti / sandblasting technique

IDEA & IDEA PRO
WATER AIR FILTERING SYSTEM (W.A.F.I.S.) - DRY OXIDE SYSTEM (D.O.S.)
BASE 3 - MICRA 2 - BASE MATIC EVO - MATIC SLM - ORO PLUS
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la nuova gamma
/ the new range
IDEA - IDEA PRO



The IDEA and IDEA PRO are a modern integrated blasting system designed to meet all the requirements of an increasingly demanding market that expects excellence both in form and in substance.

An attractive design: modern look, soft and appealing lines. Two models in different size: the first, with abrasive recirculating technology and the second, specific for disposable abrasives.

Absolute modularity: from one to five distinct working functions, a range of different configurations and a wide choice of accessories.

Technical solutions: ergonomics, LED lighting, powder saving tanks which release pressure automatically without wasting any abrasive, high visibility and an exclusive solution for the disposal of worn-out abrasive.

High precision: the feasibility to use very fine abrasives propelled through very narrow nozzles thanks to the D.O.S. module, the Dentalfarm heated tank that eliminates moisture absorbed by very fine abrasives.

Attention to health: all versions can be equipped with the exclusive W.A.F.I.S. (Water Air Filtering System), another unique patent by Dentalfarm.

Environment friendly: all components are made from recyclable materials and energy consumption is very low.

IDEA^{A1077}

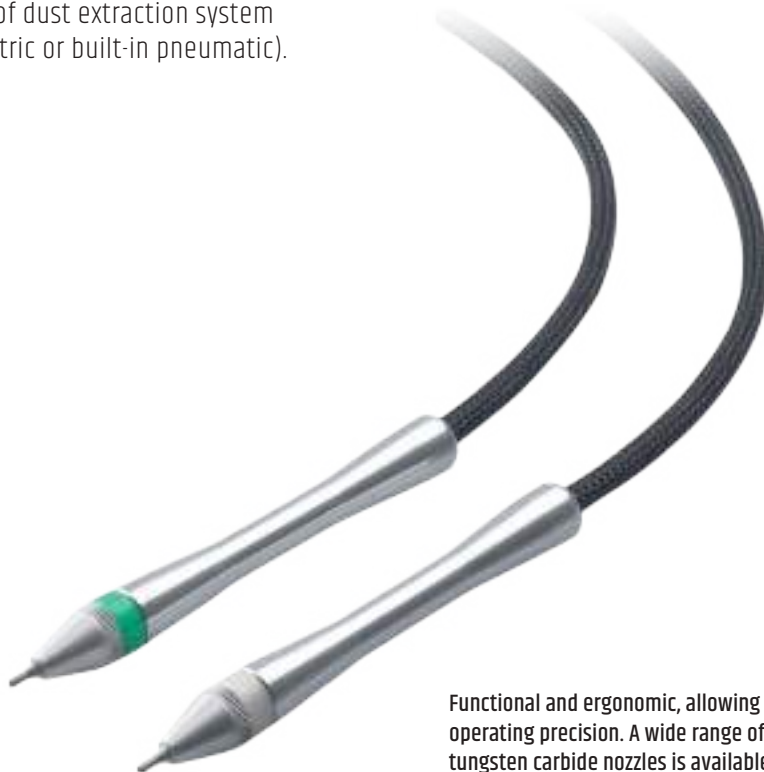
THE MICROSABLASTER FOR PERFECT FINISHING



IDEA represents the utmost achievement in developing the design of the new range of sandblasters. This high-point combines the reliability of a brand like Dentalfarm, the ergonomics of the design and the modularity of the models available. The particular structure of the machine facilitates a comfortable position and assures the best angle of impact for the abrasive jet even when the user is in a seated position. The wide visibility over the entire workspace and the powerful lighting of natural colour allows to perform very accurate finishing operations. The unique pointed jet will grant the maximum efficiency whilst limiting product consumption. The possibility of adopting the heated D.O.S (Dry Oxide System) tanks represents the best solution to problems originated by insufficient smoothness, especially for very fine abrasive powders. The sandblaster can be customised in both the number and pattern of containers (from two to four D.O.S or EASY tanks) and the type of dust extraction system (external electric or built-in pneumatic).



All IDEA and IDEA PRO versions can be supplied with a variable number of disposable abrasive tanks, in the EASY or D.O.S. configuration (from 2 to 4)



Functional and ergonomic, allowing top operating precision. A wide range of sintered tungsten carbide nozzles is available in different sizes to comply with the grainsize of the abrasive used

IDEA PRO

A1076

THE ALL-IN-ONE BLASTING CENTRE



IDEA PRO is the response to the demand of every qualified dental laboratory. A multi-function solution that incorporates both devesting and finishing in the same unit featuring a design which avails of the latest technical solutions.

The entire working process embodied in a single unit: a preliminary stage of fast and powerful devesting and a second stage of careful and precise finishing.

The rationalisation of space and the location of the tools allows to perform easily all blasting operations in the same working chamber.

This hybrid version has a very powerful jet that provides the recycled corundum for devesting and a variable number of tanks for the finishing micro abrasives. The working chamber is equipped with LED lighting and separated from the collection tank by a fixed grid that prevents debris from mixing with the stored sand.



At the bottom of the working chamber of model IDEA PRO only, where all blasting residues are collected, a full pull-out tray has been designed for easy cleaning and discharged



All IDEA & IDEA PRO models can be purchased featuring the unique Water Air Filtering System (W.A.F.S.) built-in

IDEA

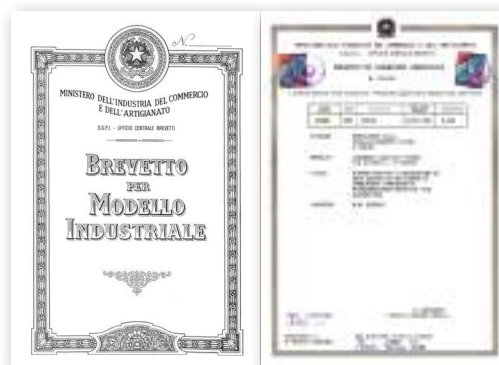


	IDEA A1077	IDEA A1077W	IDEA A1077D	IDEA A1077DW
Dentalfarm filtration system	-	W.A.F.I.S. (Water Air Filtering System)	-	W.A.F.I.S. (Water Air Filtering System)
2 tanks for disposable abrasive media	EASY version upgradable (up to 4 tanks)	EASY version upgradable (up to 4 tanks)	D.O.S. version upgradable (up to 4 EASY/D.O.S. tanks)	D.O.S. version upgradable (up to 4 EASY/D.O.S. tanks)
Version with pull-out drawer for worn-out abrasive	-	-	-	-
Devesting projector	-	-	-	-
Integrated air blower	Integrated rubber air blower	Integrated rubber air blower	Integrated rubber air blower	Integrated rubber air blower
Voltage	220-240 V - 50/60 Hz (110V upon request)	220-240 V - 50/60 Hz (110V upon request)	220-240 V - 50/60 Hz (110V upon request)	220-240 V - 50/60 Hz (110V upon request)
Absorption	60 W - 0,8 A	120 W - 1,2 A	100 W - 1,0 A	160 W - 1,4 A
Lighting	42 LEDs circuit with electronic converter	42 LEDs circuit with electronic converter	42 LEDs circuit with electronic converter	42 LEDs circuit with electronic converter
Standard nozzles fitting	1 x Ø mm 0,8 + 1x Ø 1,2 in tungsten carbide	1 x Ø mm 0,8 + 1x Ø 1,2 in tungsten carbide	1 x Ø mm 0,8 + 1x Ø 1,2 in tungsten carbide	1 x Ø mm 0,8 + 1x Ø 1,2 in tungsten carbide
Nozzles available	Ø mm 0,5 - Ø 1,5 - Ø 2,0	Ø mm 0,5 - Ø 1,5 - Ø 2,0	Ø mm 0,5 - Ø 1,5 - Ø 2,0	Ø mm 0,5 - Ø 1,5 - Ø 2,0
Suitable abrasive (min - max)	grainsize 270 (50µ) grainsize 60 (250µ)	grainsize 270 (50µ) grainsize 60 (250µ)	grainsize 270 (50µ) grainsize 60 (250µ)	grainsize 270 (50µ) grainsize 60 (250µ)
Microblasting pressure (min - max)	min 1,5 BAR max 6,0 BAR	min 1,5 BAR max 6,0 BAR	min 1,5 BAR max 6,0 BAR	min 1,5 BAR max 6,0 BAR
Air consumption (with 0,8 mm nozzle)	15 l/min at 2 BAR	15 l/min at 2 BAR	15 l/min at 2 BAR	15 l/min at 2 BAR
Air consumption (with 2,0 mm nozzle)	120 l/min at 4 BAR	120 l/min at 4 BAR	120 l/min at 4 BAR	120 l/min at 4 BAR
Height	mm 460	mm 460	mm 460	mm 460
Width	mm 450	mm 450	mm 450	mm 450
Depth (at the base and total)	mm 450 - mm 500	mm 450 - mm 500	mm 450 - mm 500	mm 450 - mm 500
Blasting chamber volume	28 l	28 l	28 l	28 l
Weight (net - gross)	kg 18 - Kg 21	kg 19,5 - Kg 22,5	kg 18,5 - Kg 21,5	kg 20 - Kg 23

IDEA PRO



	IDEA PRO A1076	IDEA PRO A1076W	IDEA PRO A1076D	IDEA PRO A1076DW
Dentalfarm filtration system	–	W.A.F.I.S. (Water Air Filtering System)	–	W.A.F.I.S. (Water Air Filtering System)
2 tanks for disposable abrasive media	EASY version upgradable (up to 4 tanks)	EASY version upgradable (up to 4 tanks)	D.O.S. version upgradable (up to 4 EASY/D.O.S. tanks)	D.O.S. version upgradable (up to 4 EASY/D.O.S. tanks)
Version with pull-out drawer for worn-out abrasive	integrated drawer for worn-out abrasive discharging	integrated drawer for worn-out abrasive discharging	integrated drawer for worn-out abrasive discharging	integrated drawer for worn-out abrasive discharging
Devesting projector	fitted with 1 x Ø mm 0,3 tungsten carbide	fitted with 1 x Ø mm 0,3 tungsten carbide	fitted with 1 x Ø mm 0,3 tungsten carbide	fitted with 1 x Ø mm 0,3 tungsten carbide
Integrated air blower	Integrated rubber air blower	Integrated rubber air blower	Integrated rubber air blower	Integrated rubber air blower
Voltage	220-240 V – 50/60 Hz (110V upon request)	220-240 V – 50/60 Hz (110V upon request)	220-240 V – 50/60 Hz (110V upon request)	220-240 V – 50/60 Hz (110V upon request)
Absorption	60 W – 0,8 A	120 W – 1,2 A	100 W – 1,0 A	160 W – 1,4 A
Lighting	42 LEDs circuit with electronic converter	42 LEDs circuit with electronic converter	42 LEDs circuit with electronic converter	42 LEDs circuit with electronic converter
Standard nozzles fitting	1 x Ø mm 0,8 + 1 x Ø 1,2 in tungsten carbide	1 x Ø mm 0,8 + 1 x Ø 1,2 in tungsten carbide	1 x Ø mm 0,8 + 1 x Ø 1,2 in tungsten carbide	1 x Ø mm 0,8 + 1 x Ø 1,2 in tungsten carbide
Nozzles available	Ø mm 0,5 – Ø 1,5 – Ø 2,0	Ø mm 0,5 – Ø 1,5 – Ø 2,0	Ø mm 0,5 – Ø 1,5 – Ø 2,0	Ø mm 0,5 – Ø 1,5 – Ø 2,0
Suitable abrasive (min - max)	grainsize 270 (50µ) grainsize 60 (250µ)	grainsize 270 (50µ) grainsize 60 (250µ)	grainsize 270 (50µ) grainsize 60 (250µ)	grainsize 270 (50µ) grainsize 60 (250µ)
Microblasting pressure (min - max)	min 1,5 BAR max 6,0 BAR	min 1,5 BAR max 6,0 BAR	min 1,5 BAR max 6,0 BAR	min 1,5 BAR max 6,0 BAR
Air consumption (with 0,8 mm nozzle)	15 l/min at 2 BAR	15 l/min at 2 BAR	15 l/min at 2 BAR	15 l/min at 2 BAR
Air consumption (with 2,0 mm nozzle)	120 l/min at 4 BAR	120 l/min at 4 BAR	120 l/min at 4 BAR	120 l/min at 4 BAR
Height	mm 480	mm 480	mm 480	mm 480
Width	mm 450	mm 450	mm 450	mm 450
Depth (at the base and total)	mm 450 – mm 500	mm 450 – mm 500	mm 450 – mm 500	mm 450 – mm 500
Blasting chamber volume	28 l	28 l	28 l	28 l
Weight (net - gross)	kg 19 – Kg 22	kg 20,5 – Kg 23,5	kg 19,5 – Kg 22,5	kg 21 – Kg 24



UNIVERSITÀ DEGLI STUDI DI TORINO
ISTITUTO DI IGIENE

Tests carried out at the Institute of Hygiene of the University of Turin have shown the potential danger caused by fine dust produced by abrasives, plaster and investment material. The same tests determined that, using W.A.F.I.S., the 99.8% of dust particles can be successfully eliminated

WATER AIR FILTERING SYSTEM

A DENTALFARM EXCLUSIVE PATENT

W.A.F.I.S. (Water Air Filtering System) is a filtration system guaranteed and certified by the Office of Hygiene at the University of Turin that reduces the solid particles in suspension by up to 99.8%. W.A.F.I.S. does not use an electric motor and conventional filter elements but only the same compressed air used in the sandblaster and a small amount of water. Its operation is as simple as unique on the market; the compressed air is introduced in the depressor through a special injector that creates a pneumatic vacuum attracting the air saturated with dust particles from the sandblaster. This volume of air is forced into a small duct, it is then sprinkled with a fine jet of water which attacks the dust particles, makes them heavier and forces them to accumulate in a collection can.

A Dentalfarm "GREEN" and economic solution

- no filters or bags to be replaced, no motors susceptible to break down
- a unique "green" solution, no power consuming
- it costs less than a traditional suction unit and does not need expensive maintenance
- full compliance with the environment and with the dental technicians



W.A.F.I.S. integrated (A1201S)

Extremely compact in size, it allows easy assembly on the left side of any Dentalfarm sandblasting unit.



W.A.F.I.S. INOX floor version (A1201E)

Version entirely made of stainless steel, is to be installed on the floor beside the workbench and it is also suitable for blasting equipment not manufactured by Dentalfarm. Weight: 2,5 kg

DRY OXIDE SYSTEM

A DENTALFARM EXCLUSIVE PATENT

The D.O.S. (Dry Oxide System) is a tank for microblasters equipped with a device that allows to completely eliminate moisture absorbed by very fine abrasives, which, being hygroscopic, tend to agglomerate and flow badly, thus losing their peculiar pickling feature. Only a pure and dry abrasive can perform all these tasks perfectly. The drying system fitted inside the D.O.S tanks exploits the heat produced by a small electrical resistance to facilitate the evaporation of moisture. The resulting benefits are very significant: the abrasive mixture is steady, the nozzles remain unclogged, the degreasing power is preserved and the energy consumption of the product is drastically reduced. Dentalfarm has a wide range of abrasives with a selection of eleven products in different grainsize.



BASE 3

A10723

COMPLETE BLASTING CENTRE



Other models available

BASE 2 A10722 - **BASE EVO** A1072E - **BASE EVO D.O.S** A1072ED

The BASE 3 is the most popular and successful model of the entire and wide range of sandblasters that Dentalfarm has ever manufactured.

It is a complete blasting centre consisting of:

- one working chamber for the coarse aggressive corundum used to remove investment, propelled by a powerful, recycling projector;
- two disposable microblasting EASY tanks for use with aluminium oxide or polishing microbeads.

The standard range already incorporates the necessary instrumentation and controls, recently implemented by a new LED white lighting system.

The BASE EVO and EVO D.O.S. versions can be upgraded to up to 4 tanks (EASY and D.O.S.) for disposable abrasives.

TECHNICAL FEATURES

Recycling blasting system: devesting projector fitted with 1 x Ø 3.0 mm nozzle

Microblasting tanks: two (EASY version)

Available nozzles (finishing): 0.8mm for grainsize 75 to 95µ; 1.2 mm from 95 to 110µ; 0.5 mm for 50µ; 2.0 mm for 250µ

Optional connection to an electric extractor (PRO-3 or PRO-3 SHAKE) or to the Dentalfarm W.A.F.I.S. solution

Working pressure: from 2.5 - 6.0 BAR (devesting)
from 1.5 - 5.0 BAR (microblasting)

Overall dimensions: 415x400x415mm

Blasting chamber volume: 22 l

Weight: 11,8 kg



MICRA 2_{A10732}

FINISHING MICROBLASTER



Other models available

MICRA 1_{A10731} - MICRA EVO_{A1073E} - MICRA EVO D.O.S_{A1073ED}

Microblaster standard fitted with two microblasting tanks for aluminum oxide or micro glassbeads for final polishing. The working chamber provides for a collection compartment for disposable abrasive products, separated by a filtering grate. The front large viewing section is fully transparent allowing for greater visibility inside the blasting chamber. Totally integrated unit which accommodates the necessary instrumentation and controls providing for ideal operation, now implemented by a new LED lighting system. MICRA 2 offers the feasibility of two different connections for the suction systems: an upper intake to collect dust particles only, and a lower intake to collect both dust and used abrasive material. The MICRA EVO and EVO D.O.S. versions can be upgraded to up to 4 EASY and D.O.S. tanks.

TECHNICAL FEATURES

Microblasting tanks: 2 (EASY version)

Available nozzles: 0.8 mm for grainsize from 75 to 95 μ ; 1.2 mm from 95 to 110 μ ; 0.5 mm for 50 μ ; 2.0 mm for 250 μ

Operation: electric foot-control and selector switch

Hand sleeves: high sensitivity latex gloves

Optional connection to an electric extractor (PRO-3 or PRO-3 SHAKE) or to the Dentalarm W.A.F.I.S. solution

Working pressure: 1.5 - 5.0 BAR

Overall dimensions: 410x385x415mm

Blasting chamber volume: 24 l

Weight: 11 kg



SABBIATRICI / SANDBLASTERS

accessori e ricambi / accessories and spare parts



Sintered tungsten carbide nozzles

Devesting complete projector: **RS521** Ø 3,0 mm - (only devesting nozzles): **RS022** Ø 3,5 mm - **RS023** (white) Ø 3,0 mm.

Nozzles for devesting abrasive: **RMN045** Ø 0,5 mm - **RMN044** Ø 0,8 mm - **RMN043** Ø 1,2 mm - **RMN047** Ø 1,5 mm - **RMN046** Ø 2,0 mm



Complete finishing microprojectors



A10723 BASE 3 blasting centre fitted with the integrated filtration system **A1201S W.A.F.I.S.**



1 - All **EVO** and **EVO D.O.S.** models can be easily upgraded to three or four tanks for disposable abrasive.

2 - Example of connection to Dentalfarm **PRO-3** extraction unit.

3 - Microprojector holder ideally inclined towards the user.

4 - Example of **BASE EVO** model selector switch that operates up to 5 different functions.



BASE EVO working chamber showing the recycling projector (yellow, below), four microprojectors fixed in their practical holder and the rubber air blower.



BASE MATIC EVO 1064T

COMPLETE AUTOMATIC AND MANUAL BLASTING CENTRE

Manual and automatic sandblaster specifically set up to accommodate two add-on microblasters. BASE MATIC features a large blasting chamber for aggressive corundum used to remove investments, propelled through two powerful recirculation devesting projectors, one oriented on the rotating basket for automatic devesting and one for manual operations.

This unit is upgradable with up to two disposable microblasting tanks for aluminum oxide or glass-microbeads, thus featuring a maximum of three functions in a whole.

This standard version incorporates the necessary instrumentation and controls and the automatic cycle can be adjusted by means of the built-in timer.

BASE MATIC is the ideal unit for model casting operations in dental labs.

TECHNICAL FEATURES

Recycling blasting system: one manual devesting projector with 3.5mm nozzle, one automatic projector with 3.5mm nozzle oriented on the basket

Automatic devesting system: with timer and rotating basket for frameworks

Microblasting tanks: OPTIONALS; EASY tanks only

Available nozzles: 0.8mm for grainsize ranging from 75 to 95µ; 1.2mm from 95 to 110µ; 0.5mm for 50µ; 2.0mm for 250µ

Air treatment: filter, pressure reducer, pressure gauge

Operation: automatic or by foot-control

Hand sleeves: high resistance gloves

Working pressure: 3.5 - 6.0 BAR (devesting) - 1.5 - 5.0 BAR (microblasting)

Overall dimensions: 440x520x500mm

Blasting chamber volume: 33 l

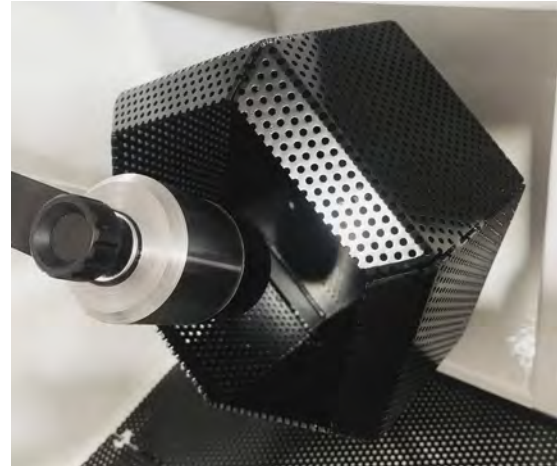
Weight: 26,5 kg

MATIC SLM_{A1064SLM}

New model (built on the chassis of the BASE MATIC EVO) developed for the removal, cleaning and surface finishing of objects produced by means of 3D printing and rapid prototyping. The new powerful recycling projector is oriented towards the reinforced rotating basket and designed for demanding workloads. The automatic cycle is controlled by a timer and the operating pressure is adjustable.

TECHNICAL FEATURES

Automatic sandblaster: 1 recycling projector "Power" with Ø3,5 mm fixed nozzle
Air treatment: filter, pressure reducer, pressure gauge
Overall dimensions: 440x520x500mm
Working pressure: 3.5 - 6.0 BAR
Blasting chamber volume: 33 l
Weight: 25 kg



ORO PLUS_{A1054S}

Manual devesting sandblaster ideal to remove investment and casting oxidations with recirculating aggressive corundum. ORO PLUS can be used with one only abrasive, the standard configuration is non-upgradeable. The unit is compact in size but unit featuring all the top-of-the-range fittings: air filter, pressure regulator, pressure gauge and operates with foot-control.

TECHNICAL FEATURES

Recycling blasting system: devesting projector with nozzle 3.0 (or 3.5mm)
Air treatment: filter, pressure regulator, pressure gauge
Operation: foot-control
Hand sleeves: high resistance rubber gloves
Optional connection to an electric extractor (PRO-3)
Working pressure: 2.5 - 6.0 BAR
Overall dimensions: 420x350x400mm
Blasting chamber volume: 16 l
Weight: 9,5 kg





IDEA STUDIO A1066/A1067

ALL-IN-ONE FINISHING UNIT FOR THE DENTAL CLINIC

IDEA STUDIO is a complete compact finishing unit perfectly suited for the Dental Clinic. It combines a box in methacrylate (the well-known KASKO) fitted with the easy-to-replace transparent protection screen and a grid on the bottom allowing to separate grinding debris to a microblasting tank, assembled on stainless steel support, with instant stop thanks to the EASY module plus filter, pressure reducer and pressure gauge, pneumatic foot-control. The third component is a precious constant pneumatic suction system to eliminate the fine dust produced by aluminum oxide. All-in-One.

TECHNICAL FEATURES

Nozzle: 1 x Ø 0,8 mm (Ø 1,2 mm, upon request)

Suitable abrasive media: AL203150 (95µ) - AL203180 (85µ) -

Microblast 90µ. Upon request but with Ø 1,2 nozzle: AL203120 (105µ)

Suction system: pneumatic (Venturi)

Filtration: a dry system (with cloth bag)

Working pressure: 2,0 - 4,0 BAR

Dimensions: mm 280x320x300h

Weight: 5,0 Kg

PRESSURE BLASTER A1067S

Microblasting system without working chamber for open-air use which can be utilised as additional unit inside the laboratory or in conjunction to a protection box for any finishing procedures in dental clinics. Pressure technology assuring excellent performance at low pressure.

TECHNICAL FEATURES

Dimensions: 160x210x290 mm



PENCIL BLASTER A1068

Microblasting system for finishing procedures in dental clinics when ideally combined in use to a protection box. Operation through a pencil-blaster connected to the tank, where abrasive is sucked under depression up to the spraying nozzle. Working pressure to range between 2 and 4 BAR.

TECHNICAL FEATURES

Dimensions: 120x110x170 mm



(KSK) KASKO

Unit fully made in methacrylate fitted with easy-to-replace protection screen, preserving the operator from any debris developed when using rotating instruments or microblasting units. A grid on the bottom allows to separate grinding debris from the working area. Possibility for connection to an extraction system.

TECHNICAL FEATURES

Dimensions: 270x230x270 mm



ABRASIVI / ABRASIVES



Corundum for devesting

Selected abrasive corundum line for devesting.
Available in 5kg can or 25kg sack.
Available types and grainsize:

AP-036 CROMCOR grainsize 36 (500µ) for Cr-Co and steel

AP-046 OROCOR grainsize 46 (350µ) for non-precious alloys

AP-060 SUPERCOR grainsize 60 (250µ) for precious alloys



Aluminium Oxide, disposable

Extremely pure abrasive media, selected for the preparation of the retention wall and for the mechanical pickling of the bonding surfaces. Available in 5kg can or in 25kg sack. Available types and grainsize:

AP-0605 Al2O3 grainsize 60 (250µ) coarse grain suitable for deep carving on the retention wall

AP-120 Al2O3 grainsize 120 (105µ) coarse-medium grain for composite and resin

AP-150 Al2O3 grainsize 150 (95µ) medium-fine grain for resin and ceramics

AP-180 Al2O3 grainsize 180 (80µ) fine grain for ceramics

AP-270 Al2O3 grainsize 270 (50µ) fine grain for accurate modelling operations

TECHNICAL FEATURES



Red-brown, very hard, resistant and aggressive corundum. Specifically suited when removing investments and casting oxidations from chrome-cobalt and steel frameworks.



White, high-purity corundum, particularly resistant and aggressive. Ideally suited when removing investments or casting oxidations from non-precious alloy frameworks.



White, high-purity corundum, particularly resistant and aggressive. Ideally suited when removing investments or casting oxidations from non-precious alloy frameworks.



Very hard, extremely pure aluminium oxide. Ideally suited for the preparation of the retention wall for resins and ceramics with average deep retention. Excellent mechanical pickling action.



Very hard, extremely pure aluminium oxide. Ideally suited for the preparation of the retention wall for ceramics, with thicker but less incisive result. Excellent mechanical pickling action.



Very hard, extremely pure aluminium oxide. Ideally suited for the preparation of the retention wall for ceramics, with thicker but less incisive result. Excellent mechanical pickling action.



Glass-beads for recycling

Selected glass-beads for satin polishing for recycling sandblasters.

Available in 5kg can or 25kg sack.

Types available:

AP-300 OROBLAST (200µ)



Glass-beads for disposable method

Fine and medium glass-beads for the satin-finishing and final polishing of any alloy.

Available in 5kg can or 25kg sack.

Types available:

AP-090 MICROBLAST (90µ)

AP-055 MICROFINE (50µ)



Very hard, medium-coarse glassbeads. No abrasive action, by smoothing rough points, the surface results more compact. Suitable to polish any metal.



Highly pure, very hard aluminium oxide. Ideally suited for the preparation of the retention wall for those composites with deeper clasp anchorage. Excellent mechanical pickling action.



Very hard, extremely pure aluminium oxide. Ideally suited for the preparation of the retention wall for those composites with intermediate clasp anchorage. Excellent mechanical pickling action.



Very hard, medium-fine glassbeads. No abrasive action, by smoothing rough points the surface results more compact. Suitable to polish any metal.



Very fine, quite hard glassbeads. No abrasive action, by smoothing rough points the surface results more compact. Suitable to polish any metal.

lavorazione modelli / model finishing

VIT - MINIEXPORT - MIDIEXPORT - EXPORT 2 - MAXIEXPORT
MIX - MIX.R PROGRAM
MT.WET - MT.WET AL - MT.WET PLUS - MT.DRY
SHINE - SPLASH GUARDS - SHINING BOX
ED.LASER - CUT - MF.400
TYPE "A" - TYPE "B" - TYPE "C" - ISO - ISO COLOR TOP

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VIT A0120

Vibrator very compact but with high performances. Two-speed, specific for plaster. Ideal for use in Dental Clinic for immediate impression melting. Four shock absorbers allow a perfect vertical vibration. Round plate Ø160mm.



TECHNICAL FEATURES

Useful plate dimensions: Ø 140 mm
Weight: 2 kg

MINIEXPORT A0125

Vibrator for plaster and investment, featuring a rectangular plate. The vibration is perfectly vertical without any dispersion thanks to four shock absorbers. Perfect stability assured by special suction feet. Intensity and width of movement of the plate are controlled by a circuit board fitted with a potentiometer. All components are soaked in resin in order to assure the highest stability and insulation. The rubber plate is easily removable for cleaning. MINIEXPORT is ideal for small dental labs. It can be integrated to the bench support for both MIX and MIX-R PROGRAM vacuum mixers.



TECHNICAL FEATURES

Plate size: 240x150x105mm
it accommodates 2 large cylinders (9x).
Weight: 5,5 kg

MIDIEXPORT A0126

Vibrator for plaster and investments, featuring a squared plate. Perfect stability is assured by special suction feet. Intensity and width of movement of the plate are controlled by a circuit board operated by a potentiometer. All components are soaked in resin in order to assure stable operation and perfect insulation. The rubber plate is easily removable for cleaning. MIDIEXPORT is ideal for medium-sized dental labs.



TECHNICAL FEATURES

Plate size: 235x235x105 mm
it accommodates 4 large cylinders (9x)
Weight: 7 kg

EXPORT 2 A0127

Vibrator for plaster and investment, featuring a rectangular plate. Four corner-post construction provides uniform vibration to all points of the tray allowing full use of the table area. Perfect stability is assured by special suction feet. Intensity and width of movement of the plate are controlled by a circuit board operated by a potentiometer. All components are soaked in resin in order to assure the highest stability and perfect insulation. The rubber plate is easily removable for cleaning. EXPORT-2 is ideal for large workload dental labs.



TECHNICAL FEATURES

Plate size: 365x265x110 mm
it accommodates 6 large cylinders (9x).
Weight: 10,5 kg

MAXIEXPORT A0129

Vibrator for plaster and investment, featuring a very large rectangular plate. The vibration is perfectly vertical and without any dispersion thanks to 3 combined electromagnetic units and 8 shock absorbers assuring uniform vibration all over the plate. Large suction feet provide for stable operation. Intensity and width of movement of the plate are controlled by a circuit board operated by a potentiometer. All components are soaked in resin in order to assure the highest stability and perfect insulation. The rubber plate can be easily removed for cleaning purposes. MAXIEXPORT is ideal for large model casting dental labs.



TECHNICAL FEATURES

Plate size: 600x400x130 mm
it accommodates 18 large cylinders (9x).
Weight: 24,7 kg



MIX A5504

MANUAL VACUUM MIXER

Wall-mounted vacuum mixer providing for accurate mixing of plaster, investment and alginate compounds (in this case the optional 200cc mixing bowl is ideally suited).

The powerful, oil-free piston vacuum pump ensures consistent degassing results even with the thickest compounds. Preset speed and fixed paddle rotation.

TECHNICAL FEATURES

Fixed speed and direction of rotation.

Built-in vacuum pump, dual filter, vacuum release valve fitted on the suction inlet, silent and powerful gear motor.

Standard supply includes the wall bracket and one 500cc mixing bowl

Dimensions: mm 190x220x240H

Weight: 8,3 kg

Mixing Bowls

Wide variety of mixing bowls available in different sizes, fitted with lid and stainless steel paddle.

It is advisable to use a different bowl for each product in use.

Different sizes available:

5501002 200cc bowl - **5501003** 200cc (special for alginates)

5501004 500cc bowl - **5501005** 1000cc bowl - **5501006** 2000cc bowl

5501006



5501005





MIX-R PROGRAM A5505

AUTOMATIC VACUUM MIXER

Wall-mounted vacuum mixer providing for accurate mixing of plaster, investment and alginate compounds (in this case the optional 200cc mixing bowl is ideally suited). Operation can be manual or automatic controlled over an electronic built-in timer with an alarm at the end of cycle. It offers the feasibility for fully customized cycles with adjustable rotation speed, slow start-up and reverse rotation. The powerful, oil-free piston vacuum pump ensures consistent degassing results even with the thickest compounds.

TECHNICAL FEATURES

18 stored programs allowing to ideally mix plasters, investment and alginate compounds

Speed and direction of rotation are freely adjustable

Built-in vacuum pump, dual filter, vacuum release valve fitted on the suction inlet, silent and powerful gear motor.

Standard supply includes the wall bracket and one 500cc mixing bowl

Dimensions: mm 190x220x240

Weight: 8,4 kg

5504001 - Mixer Bench Stand

The new bench stand enables to install both mixer models at the ideal height for comfortable operation, without restricting operation to firm wall hanging. Weight: 2,8 kg

5501004

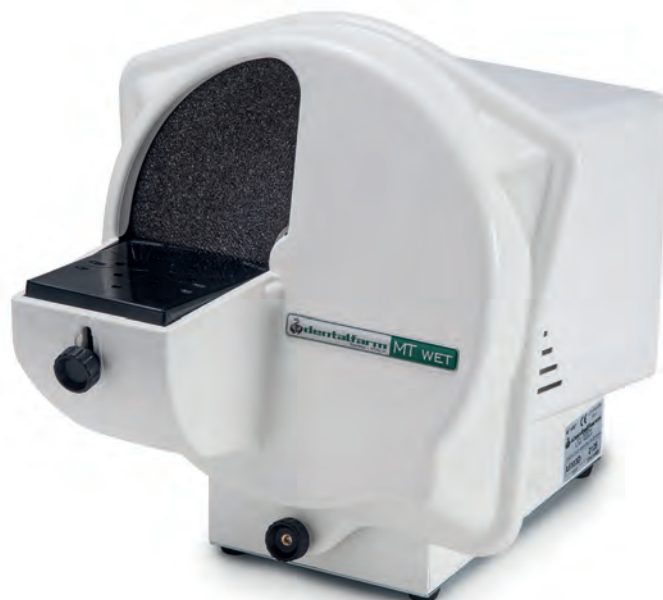


5501002



5501003





MT-WET A5103

WET MODEL TRIMMER

MT-WET is a model trimmer designed to provide excellent performance at an affordable price. The disc is made of reinforced carborundum with dual coating and bakelite bond according to FEPA regulations and it can be replaced with a diamond disc for more cutting power and long-life usage. Safety of operation is assured by the adoption of an electromagnetic switch that prevents accidental startup after a power failure. The whole front part is angled at 10° to improve visibility whilst offering a more comfortable working position.

TECHNICAL FEATURES

Solenoid valve and water control system for an ideal water sprinkling all over the disc

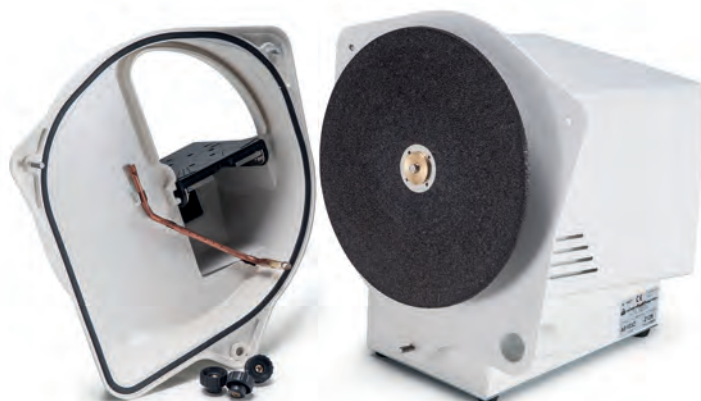
Front shell in sturdy plastic, easily and quickly removable for cleaning

Adjustable tilt trimming table with engraved cut guidelines

Overall dimensions: mm 320x480x360h

Motor: 1100W to 2800rpm.

Weight: 17,2 kg



The front shell can be quickly removed for easy access to the disc compartment allowing to remove any accumulated deposits

MT-WET AL A5103S

MT-WET AL is a new model upgraded for heavy-duty work. This "ALUMINIUM" version is equipped with a sturdy 12 mm thick aluminium backing pad providing better protection for the motor and it is able to withstand higher pressures exerted on the disc. The disc is made of reinforced carborundum with dual coating and bakelite bond according to FEPA regulations and it can be replaced with a diamond disc for more cutting power and long-life usage. Safety of operation is assured by the adoption of an electromagnetic switch that prevents accidental startup after a power failure. The whole front part is angled at 10° to improve visibility whilst offering a more comfortable working position. Also available code A5103SD, MT-WET AL PLUS, with aluminium pad and diamond disc.

TECHNICAL FEATURES

Solenoid valve and water control system for an ideal water sprinkling all over the disc

Front shell in sturdy plastic, easily and quickly removable for cleaning

Adjustable tilt trimming table with engraved cut guidelines

Overall dimensions: mm 320x480x360h

Motor: 1100W to 2800rpm.

Weight: 17,2 kg



MT-WET PLUS A5103D

MT-WET PLUS is a model trimmer designed to provide excellent performance at an affordable price. The diamond-coated features a higher cutting power and longer lifetime. Safety of operation is assured by the adoption of an electromagnetic switch that prevents accidental startup after a power failure. The whole front part is angled at 10° to improve visibility whilst offering a more comfortable working position.

TECHNICAL FEATURES

Solenoid valve and water control system for an ideal water sprinkling all over the disc

Front shell in sturdy plastic, easily and quickly removable for cleaning

Adjustable tilt trimming table with engraved cut guidelines

Overall dimensions: mm 320x480x360h

Motor: 1100W to 2800rpm

Weight: 17,2 kg



Diamond disc and
bakelite disc



Safety is ensured through an electro-magnetic switch that prevents the unit to start up after a lack of tension. The enclosed motor is cooled from outward and will not suffer from water drops eventually sprinkling over its surface.

MT-DRY A5104

MT-DRY is a dry model trimming unit. The medium-high speed (2800 rpm) is optimal for use with industrial diamond coated discs. It is of utmost importance for the models to be accurately dried up in order to prevent the disc surface from gumming. The whole front part is angled at 10° to improve visibility whilst offering a more comfortable working position.

For a correct use and in order to grant smooth operation, **MT-DRY must be connected to a professional extraction system** fitted with adequate filters assuring the correct filtration of the huge volume of dust particles originated during model machining. Dentalarm recommends to choose between their powerful suction units, PRO-3 and PRO-3 Shake.

TECHNICAL FEATURES

Manifold and power outlet for connection and power supply of the extractor

Motor: 1100W to 2800rpm.

Weight: 16,5 kg

SHINE A5201 | SPLASH GUARDS A5202

Double speed lathe polishing unit. Slower speed for cutting tools and double speed for polishing tools. Grinding wheels, brushes or felts can be inserted on the cone-shaped tips.

Plastic splash guards (code A5202, each) available on request.

TECHNICAL FEATURES

Two speed: 1400 and 2800 RPM

Motor: 500W

Overall dimensions: mm 420x205x250h

Extended unit size with splash guards: mm 600x290x280h

Weight: 9 kg





SHINING BOX^{A5250}

POLISHING MOTOR WITH EXTRACTION

SHINING BOX is a complete cabinet developed for grinding and polishing operations under full safety conditions on metals and other materials currently used in the dental field. The hood has been designed and constructed with the aim to protect the user against any projection of fluids and dust particles and to extract and filter the residues. Configuration of the polishing unit provides for dual speed settings: at low-medium speed (1.400 rpm) when removing particles on metals without overheating in excess the surfaces and medium-high speed (2.800 rpm) for excellent polishing effect. The conic tips can accommodate abrasive wheels, brushes and fabric discs. The highest safety during operation is assured by the adoption of an electromagnetic switch which prevents the unit from starting up accidentally after a voltage drop or lack of current. In addition we recommend to wear specific individual safety protection devices as goggles, gloves and mask to preserve your eyes from any slag rebounds, your hands from touching accidentally the parts in motion and your respiratory tract from inhaling dust particles.

TECHNICAL FEATURES

Speed: 1.400 / 2.800 rpm

Absorption: 300W

Suction power: 500 mc/h

Noise level: >70 dBA

Lighting: LED

Overall dimensions: mm 730x550x580H

Total weight: 49 kg



The unit is pre-arranged for connection to an electric extractor to remove steadily the dust particles.



ED-LASER A5302

PIN-HOLE DRILLING UNIT

Laser pin-hole drilling unit fully made in stainless steel allowing for utmost precision in drilling operation according to the removable stump technique. The sturdy and stable housing of the unit is fully made in stainless steel. The wide working place provides for comfortable working conditions and the exclusive vertical motion system assures the most accurate precision. Drilling depth is adjustable and, thanks to the wide plate stroke extension, drilling of models positioned on plastic bases is allowed, too. Possibility of connection to an electric dust extractor to remove dust particles and chips from the operating area.

TECHNICAL FEATURES

Motor: 150W at 2800 RPM

Extension of the vertical movement: up to 20 mm

Dimensions: 230x230xh410H

Weight: 13,8 kg



Accessories:

A - 5301001 cone-shaped drill
Zeiser type (supplied with)

B - 5301002 double diameter drill
Pinindex type (upon request)

CUT A5601

Stump separating unit with magnetic plate to lock the model-holder in place. Extremely thin diamond-coated cutting disc for highest precision. Safety assured by dual controls. Focused lighting for high level illumination and possibility of connection to an extraction unit.

TECHNICAL FEATURES

Motor: 100W at 2800 RPM

Cutting disc diameter: mm 80x0,25

Dimensions: mm 230x500x360H

Weight: 9,3 kg

Accessories:

5601004 smooth blade disc - **5601005** indent crown disc



5601004

5601005

MF-400 A5610

Model finishing unit equipped with very big cutter which allows to machine accurately both the edges and the interior of the models. Large stainless steel working plane and mobile protection on the rotating cutter for full safety. Possibility of connection to the extraction unit. Safe and heavy-duty tool for quick and effective model finishing.

TECHNICAL FEATURES

Motor: 380W at 2800 RPM

Available cutters: cylindric (standard), cone-shaped

Dimensions: mm 210x380x210H

Weight: 12 kg



A

B

Accessories, cutters:

A - 5610002 cylindric bur
(supplied with)

B - 5310003 cone-shaped bur
(optional)



A3005 A



A3006 B

TYPE "A" TYPE "B" TYPE "C"

A3007 C

MANUAL SURVEYORS

High precision mechanical instruments, indispensable during the model planning stage, allowing to determine the path of insertion, layout reference points and locate the anchorage position of clasps in partial dentures. Complete of base with working plane, stainless steel holding column, model-holder with adjustable plate and set of accessories. The model-holder can be removed or fixed in place.

TECHNICAL FEATURES

TIPO "A": Precision mechanical instrument fitted with one rigid arm. Ideal when positioning the attachments. Model-holder offering variable plate inclination, complete set of accessories part of standard supply. Weight: 3,7 kg

TIPO "B": Version fitted with one double-joint arm with pantograph movement, ideal for the model planning stage. Weight: 4 kg

TIPO "C": fitted with both rigid and articulated arms, for the model planning stage, to locate the path of insertion, layout reference points and the insertion of clasps in mobile dentures. Weight: 4,3 kg



TIPO "A" - TIPO "B" - TIPO "C"

accessori / accessories

RP503N



RP504N



Additional arms for surveyor

RP503N Rigid arm - **RP504N** Double joint arm (with pantograph movement)

With additional arms, parallelometers A or B can be both upgraded. The rigid arm, more suitable for positioning the attachments, can be added to model B. The double joint arm, more suitable for model planning stage, can be added to model A.

RP034

RP031

RP032

RP033

RP041

NVV040



Set of tools for surveyor (RP505)

Set of 6 tools for prosthesis planning:

RP034 analyzing rod - **RP031** undercut gauge -0.75 - **RP032** undercut gauge -0.50

RP033 undercut gauge -0.25 - **RP041** wax knife - **NVV040** carbon maker

Model holders





ISO A3502

ISOSURVEYOR

Superior mechanical instrument fitted with a special double-joint arm with pantograph movement for highest versatility during the most conventional operations. Ideal convenience when combined in use with any micromotor on the market for drilling operations. Stainless steel compartment to store all the accessories. Model-holder offering variable plate inclination, complete set of accessories part of standard supply. A wide range of adapters is available, to assure a firm and safe grip of the handpieces which quite often do not have a perfect cylindrical shape.

TECHNICAL FEATURES

Dimensions: mm 190x270x330H

Weight: 5,2 kg



ISO COLOR TOP

A3503 C

ISOSURVEYOR

Superior mechanical instrument fitted with a special double-joint arm with pantograph movement for highest versatility when carrying out the most conventional operations. Utmost convenience for combined use with any micromotor on the market for drilling operations.

The structure offers a flexible stem, adjustment of the drilling at 1/10 of mm, dual function arm head (bush on the column for prosthesis planning), universal pliers to lock the micromotor, model holder either locked on the base or free-sliding, base with mechanic locking system of the model holder, screw for the control of the horizontal and vertical movement of the arm, handy support for supplied accessories, air blower on flexible stem with gradual flow control valve, guide rod for horizontal clamp milling operations.

TECHNICAL FEATURES

Precision lighting and air blower for cooling and cleaning

Micrometric arm lifting system

Dimensions: mm 200x340x330H

Weight: 7 kg

ISO - ISO COLOR TOP

accessori e dotazione / accessories and equipment

Drilling Kit (A3501)

Set of elements to turn any manual Dentalfarm surveyor into a small milling unit. After updating it, your old manual surveyor is converted into a milling unit.



Accessories supplied with the unit:

- A** - graduated knob and guide rod for drillings at 1/10 di mm of mm
- B** - joint locking nut
- C** - column for prosthesis planning or positioning of attachments, complete with two pliers (mm 3 e 2,35)
- D** - Allen key
- E** - guide rod for axial milling

A wide range of adapters is available, too to assure the firm and safe grip of handpieces which quite often do not have a perfect cylindrical shape



modellazione cera / wax technique

BUNSEN BURNER - E.BURNER
HOT.1 PLUS - HOT.2 PLUS - HOT.2 TOUCH
HOTWAX - HOTWAX 4

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 dentalfarm



BUNSEN BURNER

A4701 – A4702

BUNSEN BURNERS WITH THERMOCOUPLE

Safety bunsen burners with thermocouple valve for immediate gas flow interruption should the flame accidentally extinguish. The two models (A4701 or A4702) differ only for the specific fitting, according to the selected combustible.

TECHNICAL FEATURES

A4701 Safety bunsen burner for
Natural Gas

A4702 Safety bunsen burner for
per L.P.G. (Liquid Propane Gas)

Pressure: Natural Gas 22 mbar

Pressure: L.P.G.: 0,1 – 0,5 BAR

Weight: 0,6 kg

E-BUNSEN A6020

INDUCTION BURNER

Direct heating system of the modelling tool by electro-magnetic induction, without using any open flame and gas. The powerful inductor is activated the moment the tool is inserted into the front compartment where it will be heated in a matter of seconds. The operating frequency is adjusted electronically. Two sensors located on top of the induction compartment detect the presence of the tool and start the heating process. Similarly as the tool is shifted away from this area, the sensors will stop operation. The working activity is stated by the change of color of the LED indicator, placed under the heating chamber..

TECHNICAL FEATURES

- Adjustable operating frequency
- No gas requested for operation.
- The unit can be placed anywhere in the lab
- Dimensions: mm 60x210x90H
- Weight: 0,7 kg



HOT-1 PLUS A6003

Single handpiece waxing spatula fitted with a practical rear compartment to accommodate the modelling tips. Two different supports for the handpiece are available: one bench-top and one magnetic aside the control unit. The electronic control will allow for two temperatures to be adjusted, it will be sufficient to press one key to select the requested option. The unit is supplied complete with two modelling tools (additional shapes available upon request).

TECHNICAL FEATURES

Dimensions: mm 70x110x60H

Weight: 0,7 kg



HOT-2 PLUS A6003D

Dual-purpose waxing spatula fitted with two individual handpieces, both can be preset on two different temperatures to be selected from the easy-to-read control box. This model incorporates two magnetic supports for the handpieces, a rear drawer and tool seat. The complete set consisting of 6 tools is standard supplied with the unit. Best suitable for simultaneous use by two distinct operators.

TECHNICAL FEATURES

Dimensions: mm 155x120x70H

Weight: 0,8 kg



HOT-2 TOUCH A6003T

Top range waxing spatula featuring dual separate controls. Both stations can be preset on two different temperatures and offer the ability to be quickly commuted by means of a serviceable ring (Touch) on top of each handpiece. The convenience to shift directly from one temperature for the wax collection to the temperature required for the modelling stage will replay the use of the bunsen-heated traditional spatula. Without modifying the accustomed use, it will be possible to speed up modelling with no need to let apart your works. This model is standard supplied with two magnetic supports for the handpieces, a rear drawer and seat for the six tools.

TECHNICAL FEATURES

Dimensioni: mm 180x110x60H

Weight: 1 kg





Set of Modelling Tools (6003001)

6003002 Small curved conical probe - **6003004** Medium curved conical probe - **6003005** Large curved conical probe - **6003006** Straight spear-head blade **6003007** Curved spear-head blade - **6003008** Spoon.
Not included in the standard set: **6003017** Knife - **6003018** Large Spoon.

Set of Milling Tools (6003009)

6003010 Cilyndric probe
6003011 Conical Probe with 2° of inclination
6003012 Conical Probe with 4° of inclination
6003013 Conical Probe with 6° of inclination

HOTWAX A6010

Electronic controlled heater (wide temperature adjusting range, from 30°C to 120°C) for rapid and controlled melting of the most commonly used waxes in the dental field.. The specific size of the metallic pot facilitates immersion of the stumps and the conic edge allows for dripping inwards.
The lid protects the unit from dust particles when not in use.

TECHNICAL FEATURES

Dimensions: mm 115x150x70H -
Pot size: diam. 30x25H
Weight: 0,44 kg



HOTWAX 4 A6011

Four-pot wax heating unit with one larger pot for the product most widely used. The electronic temperature adjustment assures one degree-precision level. The nonstick teflon-coated internal surface allows to extract till the last drop of wax. The lid protects the unit from polluting agents when not in use.

TECHNICAL FEATURES

Dimensions: mm 195x120x75H
Different pot sizes: 1 x (100x40x20), 1 x (30x40x20), 2 x (35x30x20)
Weight: 0,7 kg



fotopolimerizzatori / light-curing units

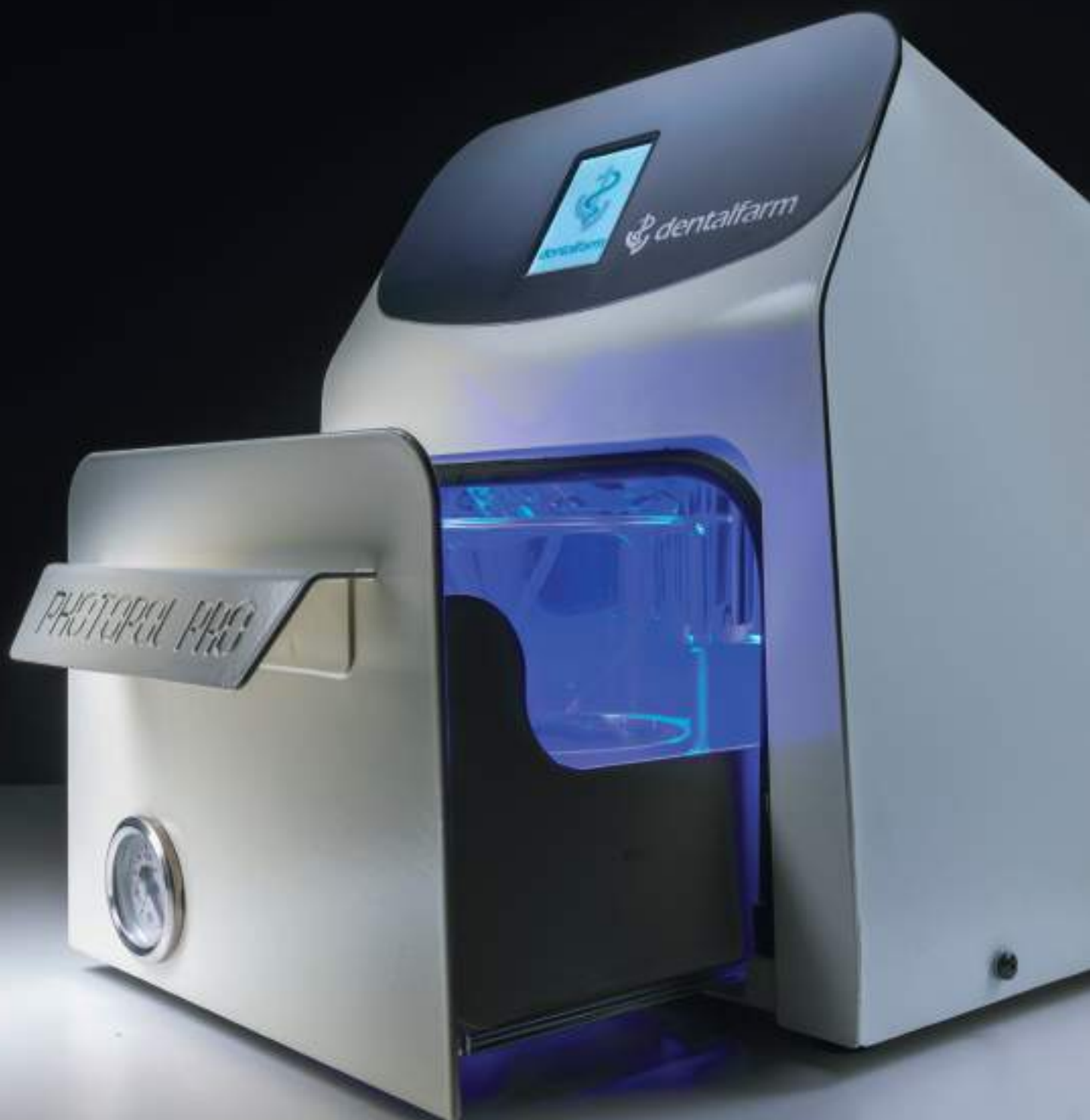
PHOTOPOL PRO - PHOTOPOL PRO VACUUM
LC. TRAY PRO - PHOTO TRAY - PHOTO FLASK

64/73



fotopolimerizzatori / light-curing units

la gamma / the range





The Photopol Pro range incorporates the most advanced technology in the industry with an eye for aesthetics, the more rounded and harmonious lines enhance the design of the product. The accurate choice of materials and the attention to technical details are crucial aspects in this project which led to the creation of two innovative units, a successful blending between Italian creativity and the quality and reliability that have always distinguished a Dentalfarm product.

Developed to be the evolution of the previous three models, the Photopol Light, Plus and Vacuum, a range of light-curing units for dental composites that were successful at the turn of the new millennium thanks to the technical solutions offered and the versatility of use (thanks to the four halogen lamps and two UV spots), these two new models, the Photopol Pro and the Photopol Pro Vacuum have been developed by a team of experts who have carefully analyzed the needs of the dental market and the characteristics of the new dental composites to design a range of LED curing units that could offer the essential characteristics necessary for a successful product, i.e. excellent performance and ease of use.

PHOTOPOL PRO A5407

LIGHT-CURING UNIT FOR COMPOSITES

Photopol Pro is a light-curing unit which best suits with most composites sensitive to UV light. 3 extremely powerful circuits à 8 LED UV at different frequency assure the overall radiation. Both the working chamber and the horizontal plate are coated with highly reflecting material assuring a mirror effect with no dispersion of ultraviolet rays. The support plate is steadily rotating and it has been conveniently assembled on a sliding drawer allowing to position and to pick up easily the elements to be treated.

TECHNICAL FEATURES

- Two circuits à 8 LED each covering the higher UV spectrum (above 410nm - blue)
- One circuit à 8 LED covering the lower UV spectrum (under 410nm - violet)
- Adjustable irradiation power to avoid any shock to the material
- Wide range of the operating spectrum (from 320 nm to 550 nm)
- Ideally suited to perform light-curing to any composite available in the dental field
- Useful "Step Mode" to dry out and fix different layers (operation lasting few seconds, repeated in steady succession)
- Rotating turntable working under continuous cycle to assure the all-over exposure of the elements restricting the shade effect. Plate size: 100x100 mm
- User-friendly interface with full-colour-touch-screen display
- Easy access to parameters and to store cycles
- Dimensions: mm 280x350x300H
- Weight: 8,5 kg





PHOTOPOL PRO VACUUM A5407V

LIGHT-CURING UNIT FOR COMPOSITES

Photopol Pro Vacuum is a light-curing unit which best suits with most composites sensitive to UV light.
3 extremely powerful circuits à 8 LED UV at different frequency assure the overall radiation.
Both the working chamber and the horizontal plate are coated with highly reflecting material assuring a mirror effect with no dispersion of ultraviolet rays.
This version features a small but powerful built-in vacuum pump and a transparent bell to perform curing cycles in an Oxygen-free environment.

TECHNICAL FEATURES

- Two circuits à 8 LED each covering the higher UV spectrum (above 410nm - blue)
- One circuit à 8 LED covering the lower UV spectrum (under 410nm - violet)
- Adjustable irradiation power to avoid any shock to the material
- Wide range of the operating spectrum (from 320 nm to 550 nm)
- Ideally suited to perform light-curing to any composite available in the dental field
- Useful "Step Mode" to dry out and fix different layers (operation lasting few seconds, repeated in steady succession)
- Transparent bell in borosilicate glass and oil-less built in vacuum pump.
- Rotating turntable working under continuous cycle to assure the all-over exposure of the elements restricting the shade effect. Plate size: diameter 95 mm
- User-friendly interface with full-colour-touch-screen display
- Easy access to parameters and to store cycles
- Dimensions: mm 280x350x300H
- Weight: 10,5 kg

LC-TRAY PRO A5413

LED CURING-UNIT FOR RESIN PLATES



Light-curing box for the treatment of resin plates in the preparation of individual custom trays, denture baseplates, testing bite plates, occlusal blocks and fixing masks.

TECHNICAL FEATURES

36 LED Hi-Power UV

Wavelength range 365-405nm

Practical sliding drawer where plates can be placed

Inner walls with high reflecting power

LCD display. Electronic timer for 3, 4, 5 or 6 minutes cycle

Dimensions: mm 220x240x110H

Drawer: mm 155x144x70H

Weight: 1 kg





PHOTO TRAY

LIGHT-CURING RESIN PLATES

Light-curing resin in plates to shape individual or partial impression trays, baseplates for dentures, custom trays, occlusal blocks and bite plates. Individual safety in a black sealed box for protection from light sources, available in three different colours, Blue, Pink or Transparent.

Codice PHT – Pack of 50 trays - Transparent

Codice PHTB – Pack of 50 trays - Blue

Codice PHTR – Pack of 50 trays - Pink

PHOTO FLASK_{PHF}

TRANSPARENT FLASK

Transparent and made of removable sections, PHOTO-FLASK is a practical device designed to handle the light-curing composites without any modification of the standard operating working procedure. Photo-Flask is made by transparent elements ensuring a better exposure to UV rays. No reinforcement metallic plates are needed.

The working process is restricted to six stages:

- 1) modeling or digital printing of the part
- 2) base realization with hard silicones
- 3) mask preparation with transparent silicone
- 4) dewaxing
- 5) injection or deposit of the composite
- 6) UV light-curing



Photo-Flask is made by transparent elements ensuring a better exposure to UV rays. No reinforcement metallic plates are needed. These features make it the proper device to be combined with Dentalfarm range of light-curing units Photopol Pro



forni per la ceramica / ceramic furnaces

PF.PRO - PF.PRESS

74/81

PF PRESS
PORCELAIN FURNACE

 **dentalfarm**



forni per la ceramica / ceramic furnaces

la gamma / the range





Dentalfarm introduces two furnaces for ceramic firing that guarantee excellent and reliable performance.

PF-PRO for traditional techniques and PF-PRESS for both firing and pressing.

The two furnaces are suited to process all restorative porcelain materials: medium-and-low temperature traditional ceramics, feldspathic ceramics, highly vitreous ceramics, lithium disilicate, ceramic-on-metal, ceramic-on-zirconia and all ceramic systems, as well as CAD/CAM generated ceramics.

PF-PRO and PF-PRESS are precise and reliable and they feature a state-of-the-art firing chamber.

A quartz filter allows to boost the effects of the IR rays, thus ensuring progressive heating of the firing objects whilst controlling evaporation of humidity.

The temperature is detected by a special oxidation-free thermocouple and therefore does not require periodical calibration. The software allows access to all the information necessary for setting the cycles, supported by variable encoder which permits to store and edit all parameters.

forni per la ceramica / ceramic furnaces

PF-PRO_{A4050}

TRADITIONAL CERAMIC FURNACE



Furnace designed to fire all products for ceramic restorations: conventional porcelains at medium and low melting temperatures and feldspar, glass, lithium disilicate-based ceramics, stratified on metal, zirconia or complete ceramic systems. The assorted programs available as well as the accurate execution of the firing cycle ensure top performance results that are constantly repeatable over time.

It is supplied with:

- a practical and intuitive user interface
- multiturn encoder allowing a wide choice of freely programmable working parameters
- large graphic display showing all the cycle essential data
- latest generation quartz heating chamber.

The standard configuration includes the dry vacuum pump.

Vacuum Pump (A5801)

Dry vacuum pump with a capacity of 50 liters per minute.

Overall dimensions: mm 250x150x200h. Power: 500W.

Max vacuum level: 750mm Hg. Weight: 8 kg

TECHNICAL FEATURES

16-bit microprocessor

Programmable and upgradeable flash memory

100 programs available for firing conventional ceramics

Total freedom of choice in the programming stage, all functions are adjustable according to the user requirements

Drying stage with the flask either open or closed

Ability of cycles with two temperature thresholds, specific to the processing of milled lithium disilicate

Vacuum level regulation

Different cooling modes, even very slow in a closed chamber

Latest generation muffle with quartz-filtered radiation for the full exploitation of the infrared rays

Does not require periodic calibration

Ceramic honey-comb support and 15 refractory pins

Maximum temperature: 1200° C

Power: 1200W

Muffle size: Ø 90x55h

Overall dimensions: mm 390x440x490h

Weight: 28 kg



Inside the firing chamber, a quartz filter allows to boost the effects of IR rays, thus ensuring progressive heating of the firing objects whilst controlling evaporation of humidity. The temperature is detected by a special, oxidation-free thermocouple which does not require periodical adjustment

forni per la ceramica / ceramic furnaces

PF-PRESS_{A4051}

PRESSABLE CERAMIC FURNACE



Furnace designed to fire all products for ceramic restorations: conventional porcelains at medium and low melting temperatures and feldspar, glass, lithium disilicate-based ceramics, stratified on metal, zirconia or complete ceramic systems. The assorted programs available as well as the accurate execution of the firing cycle ensure top performance results that are constantly repeatable over time.

It is supplied with:

- a practical and intuitive user interface
- multiturn encoder allowing a wide choice of freely programmable working parameters
- large graphic display showing all the cycle essential data
- latest generation quartz heating chamber.

The standard configuration includes the dry vacuum pump.

The injection of ceramics takes place by means of a compressed air piston operating from bottom to top. This is one of the distinguishing feature of PF-Press. Pressure and speed values can be adjusted electronically and are shown on the wide, easy-to-read display. The porcelain furnace has then to be connected to the laboratory compressed air installation.

TECHNICAL FEATURES

16-bit microprocessor

Programmable and upgradeable flash memory

80 programs available for firing conventional ceramics

20 special programs for pressing technique

Total freedom of choice in the programming stage, all functions are adjustable according to the user requirements

Drying stage with the flask either open or closed

Ability of cycles with two temperature thresholds, specific to the processing of milled lithium disilicate

Vacuum level regulation

Different cooling modes, even very slow in a closed chamber

Latest generation muffle with quartz-filtered radiation for the full exploitation of the infrared rays

Does not require periodic calibration

Ceramic honey-comb support and 15 refractory pins

Maximum temperature: 1200° C

Power: 1200W

Muffle size: Ø90x55h

Overall dimensions: mm 390x440x490H

Weight: 28,5 kg

Set of accessories to place models inside the ceramic furnace consisting of a honeycomb ceramic base and 15 refractory pins.

40501 Complete set (base and pins)

40502 Pack of 15 ceramic pins

40503 Square 55x55mm base



ISOCILSP - Silicone cylinder small - **ISOCILSM** - Silicone cylinder medium

ISOPISTON - Set of silicone casting rings for the preparation of moulds for the press-injection up to 5 elements

preriscaldamento e fusione / preheating and casting

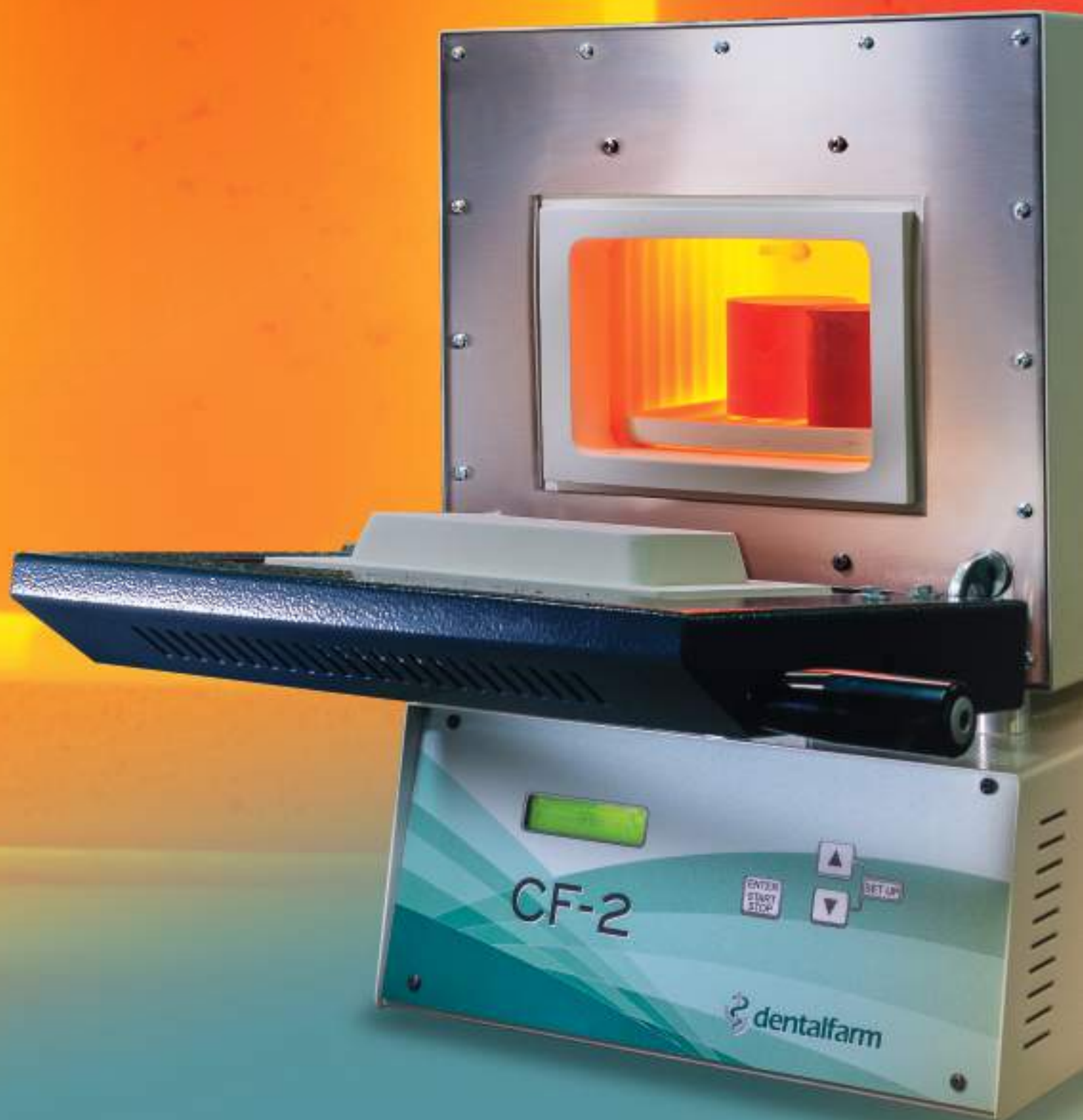
CF.2 SMALL, MEDIUM, LARGE - ROTOJET+
EC.1 - EC.1 INFRARED - EC.2 VACUUM INFRARED
CROGIOLI / CRUCIBLES

82/95



preriscaldamento e fusione / preheating and casting

la gamma / the range





The renowned experience of Dentalfarm in the offer of burnout furnaces is the prerogative for which thousands of customers have turned to us over the last thirty years.

Many different models have succeeded over time, following the needs of the market and the expectations of technicians who have always measured the quality of the products purchased using the unit of measurement of reliability and the average life of use that such a unique product guarantees.

The CF-2 range is offered in three versions, differing in relation to the size of the heating chamber. The electronic control offers the convenience for two different programs, one for fast investments and one for traditional investments. The first program, specifically for fast investments, features a quick raise in temperature, check over the stabilization time and warning horn at the end of the cycle (repeat function). The second program is most suitable for traditional investments and can offer up to three temperature thresholds with rising gradients and holding times which can be preset according to specific requirements. The quality of components and materials plus the well-known after-sales and assistance service delivered by Dentalfarm are other reasons for choosing a CF-2 burnout furnace.

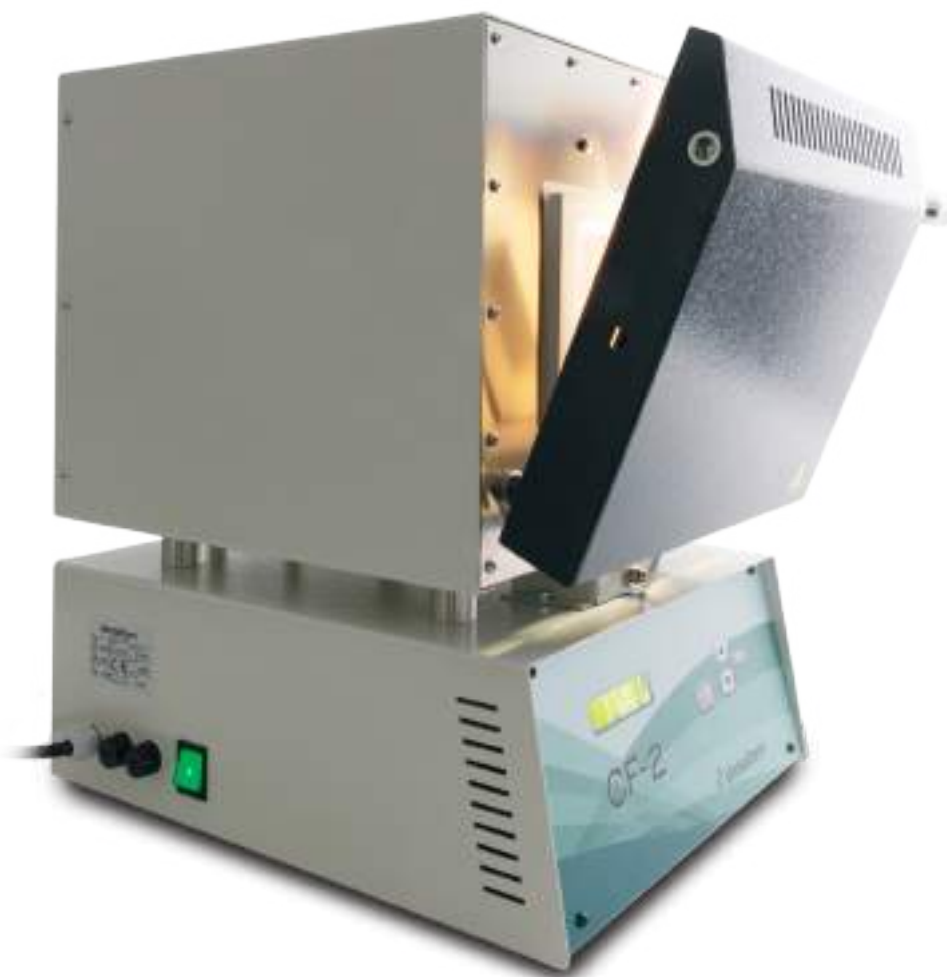
preriscaldamento e fusione / preheating and casting

CF-2 SMALL A4014

CF-2 MEDIUM A4014M

CF-2 LARGE A4014L

BURNOUT FURNACES



Burn-out furnace with simplified electronics. Two distinct working cycles. The first program has been developed specifically for quick investments, featuring a fast rise in temperature, time control stabilization and warning at the end of the cycle (repeat function). The second program is most suitable for traditional investments and can offer up to three temperature thresholds with adjustable rising gradients and holding times which can be preset according to specific requirements.

Fume fan (A1211)

A forced evacuation system of the fumes generated during the wax melting process and casting ring drying cycle. A fan leads the fumes from the heating chamber upwards and then conveys them towards the hood filtering elements for subsequent treatment and adequate filtration. Switching on and off directly operated through the CF-2 software.



4014S005
4014M005
4014L005

Wax Collecting Plates
for CF-2 Small,
Medium e Large
burnout furnaces.

TECHNICAL FEATURES

Deferred starting up to 100 hours and software safety check for switch-off

High accuracy in temperature reading and control during every working stage

Maximum ease of use (2 programs)

Integral alumina heating chamber assuring a high-level primary and secondary insulation

Broad front flap door

CF-2 SMALL:

Heating chamber dimensions: mm 160 x 160 x 100h

Capacity: 2 casting rings 9x or 4 casting rings 6x

Absorption: 1.600W

Overall dimensions: mm 320 x 400 x 470

Weight: 25 kg

CF-2 MEDIUM:

Heating chamber dimensions: 180 x 230 x 115h

Capacity: 4 casting rings 9x or 8 casting rings 6x

Absorption 2.200W

Overall dimensions: mm 360 x 460 x 490h

Weight: 35 kg

CF-2 LARGE:

Heating chamber dimensions 230x300x150 mm

Capacity: 16 casting rings 9x or 24 casting rings 6x

Absorption 2.800W;

Overall dimensions: mm 420 x 530 x 520h

Weight: 45 kg

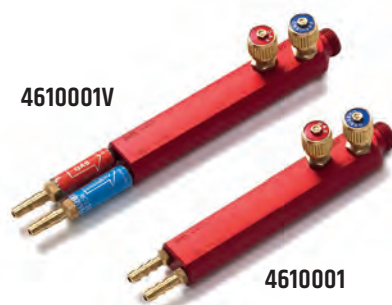


preriscaldamento e fusione / preheating and casting

ROTOJET+

A4602P

CENTRIFUGAL CASTING MACHINE



The table-top centrifuge compact in size, easy to use and featuring excellent performances and stability during operation, suitable for any torch-melted alloy. It allows to perform the casting and centrifugation cycles in total safety and it is designed to work only when the operating lid is closed. The working cycle will start when closing the lid and it will stop when the set centrifuge time elapses or when it is manually stopped (by opening the door). To allow the immediate stop the engine is supplied with a selfing breaking motor. The unit it is provided with a digital timer which enables to set the centrifuge time and with a start-up speed adjuster, depending on the type of casting metal.

TECHNICAL FEATURES

Breakaway arm acceleration electronically controlled

Motor rotating speed: 1400 RPM

Electronically regulated rotation speed

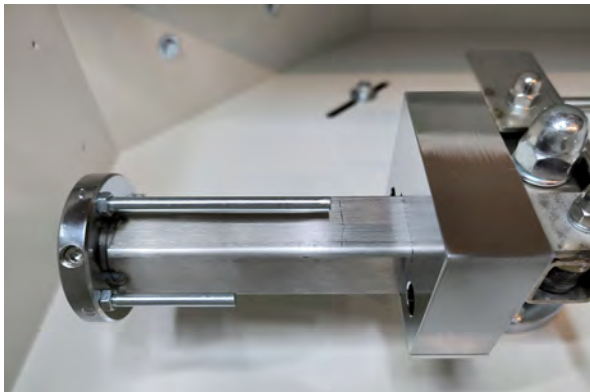
Arm rotating speed: 450 RPM

Overall dimensions: mm 600x570x330h

Line voltage 230V AC - 50/60 Hz

Absorption: 370W

Weight: 43 kg



Balance system

The rotating arm, built in stainless steel has two joints, allowing a slow and soft start.



Casting and centrifugal chamber

The unit is already set and balanced to work with cylinders type 1x, 3x, 6x and 9x.



Meting torch

Set of tools to compose the best casting or soldering equipment. Oxy-propane operation. Either the two casting torches or the short soldering lance (without end part) can be indifferently screwed on the standard handle (the most suitable tip or needle will have to be assembled according to either the size or the soldering requirements).

4610001V Handle with safety valves

4610001 Handle

4610010 Casting lance for non-precious alloys (beam-shape tip)

4610011 Casting lance for precious alloys (ring-shape tip)

4610020 Short soldering lance

4610021 Set of tips and needles for soldering

preriscaldamento e fusione / preheating and casting

la gamma / the range



The collaboration between Dentalfarm and Ultraflex Power Technologies, a leading company specialized in Engineering Services, is the natural continuation of the relationship that existed between Dentalfarm and the Italian SEIT Elettronica, as Ultraflex has taken over equipments and projects from SEIT when they terminated their business activity in the dental and jewelry fields. Ultraflex is a company based in the U.S. that holds several patents covering the application of electronic induction for different metal treatments (fast heating for thermal tempering, welding, melting) in several fields ranging from heavy industry to eyewear, medical and jewelry. With the aim to achieve a prime position within the dental field, Ultraflex concluded a strategic alliance with Dentalfarm. The "EC" project identifies a range of equipment capable to melt any alloy commonly used for dentures construction, with the only exception of pure platinum and titanium. All models have the same size but with different technical features. They are working under medium frequency, with built-in closed-circuit water cooling system and injection by centrifugation.

preriscaldamento e fusione / preheating and casting

EC-1_{A4507}

INDUCTION CASTING MACHINE



Induction under medium frequency combined to the ultimate feature providing to adjust the supplied power allow to handle any dental alloy at the best. Melting by electronic induction involves a progressive heating of the metal core from inside outwards. Under such condition, the alloy components are steadily mixed thanks to the rotating movement originated by the magnetic field. The melting process is complete as the melted mass tend to "rise up" inside the crucible. Injection through centrifugation assures the highest molecular compactness since it is the only system which can keep the material under high pressure until the solid state is achieved.

TECHNICAL FEATURES

Control over rated power allows the user to work quickly on alloys featuring high melting temperatures which tend to oxidize easily, as well as for gentle and slow handling when casting precious metals thus preventing them from sublimating.

Steady supervision of all important parameters: in case of insufficient safety conditions, prosecution of the melting process will be inhibited

Display repeatedly showing the parameters of the working cycle or the precise description of any irregular condition

Visual inspection of the metal process through a protective screen

Stainless steel centrifugation chamber for easy cleaning

Injection achieved by centrifugation provides for high molecular compactness and superior results with any alloy

Acceleration, speed and rotating time parameters are freely adjustable

Built-in water cooling system controlled by a thermostat and pressure switch

Possibility of connection to an inert gas cylinder for increased protection throughout the melting area

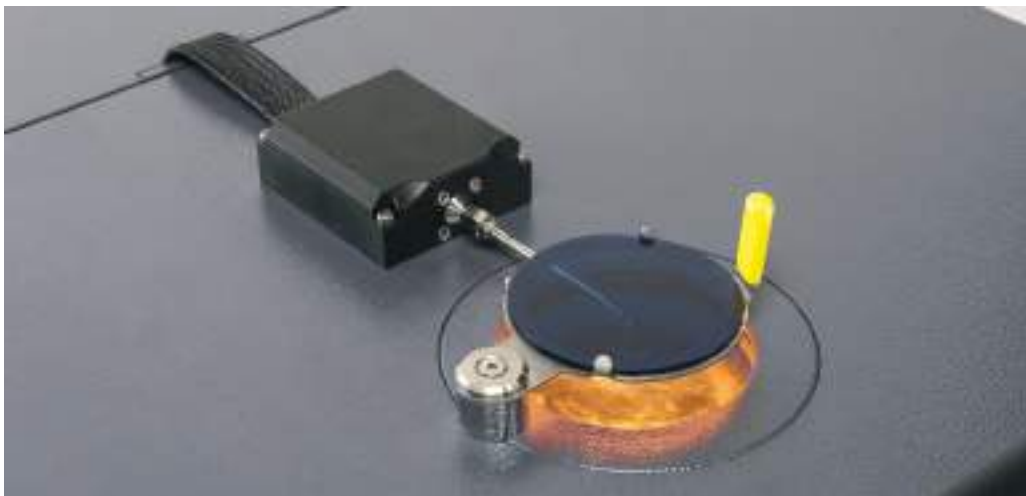
Overall dimensions: mm 500 x 700 x 1060h

Absorbtion: Max 3.0 kW

Weight: 90 kg

EC-1 INFRARED A4507I

Model fitted with optical pyrometer reading out the melting temperature. A photodiode detects the emission of infrared rays from the melting alloy and a control instrument translates it into real temperature data. Thanks to this system, the supplied power is automatically controlled with the aim not to exceed the preset parameters. Weight: 98 kg.



EC-2 VACUUM INFRARED A4508

INDUCTION CASTING MACHINE



This specific model has been studied to cast any type of alloy under the best conditions. The alloys which tend to oxidize can be melted in inert environment and vacuum injected. In addition vacuum allows to eliminate the gas susceptible to persist inside the investment canals. These gases do create an obstruction to the free flowing of melted metal and may be the cause for air bubbles. The melting temperature is constantly supervised by the optical pyrometer. All the components necessary for the correct operation as the vacuum pump, the vacuum gauge, the depressurising valve are standard installed inside the casting machine. Weight: 105 kg.

The Centrifugal Arm

This recently designed new arm offers substantial advancements. The balancing operation is no more required, it will be sufficient to insert the counterweight in its seat according to the size and the technique used. The various cradles to accommodate the casting rings in different sizes are no more necessary too and the user will only have to shift the trolley aligned with the crucibles spout.



The mobile trolley aligns and holds casting rings of any size

The pre-arranged balancing system will simplify the technician activity

CROGIOLI E ACCESSORI DI FUSIONE / CRUCIBLES AND CASTING ACCESSORIES

Crucibles

Crucibles available with shorter spout (with "E" suffix in code name - for the machines fitted with mobile trolley) or with longer spout (for those machines with fix support). Pack of 6 crucibles.

RT100E Ceramic crucibles with reinforced silicon nitride layer for non-precious alloys

RT101E Ceramic crucibles with reinforced silicon nitride layer for any alloys

RT102E Ceramic graphite coated crucibles for precious alloys, except for palladium

RT103E Sintered graphite crucible. Single package. The most resistant to very high temperatures, no porosity at the inside

RC100 Ceramic crucibles suitable for any alloy, specific for table-top centrifuge (**A4602 Rotojet**)



ISOKIT

Kit Isosystem



Melting accessories

Steel casting rings and rubber bases for metal castings:

ISOBASE Pack of 2 rubber bases for casting rings with different melting cones

ISOCIL1X6 Pack of 6 casting rings 1x (Ø 30 x 55 mm h)

ISOCIL3X6 Pack of 6 casting rings 3x (Ø 50 x 55 mm h)

ISOCIL6X6 Pack of 6 casting rings 6x (Ø 63,5 x 55 mm h)

ISOCIL9X6 Pack of 6 casting rings 9x (Ø 80 x 55 mm h)

generatori di vapore / steam generators

HYDROVAP PRO - H8
HYDROVAP MANUAL
HYDROVAP SEMI-AUTOMATIC

96/103



generatori di vapore / steam generators

la gamma / the range





Unlike many other products that Dentalfarm has been producing for years, the steam generators of the HYDROVAP range were only introduced in the middle of the last decade. The research and development of advanced technical solutions has always been the aspect that has characterized the approach that Dentalfarm follows in the design of new equipment. Also on this occasion, Dentalfarm's Technical Management faced this challenge with the desire to design equipment that would guarantee the level of quality that meets the expectations of their loyal clients. Two models were initially presented to the market, one Manual and one Semi-Automatic, which met with market favor. We then proceeded with the development and subsequent launch of an advanced model, the HYDROVAP PRO, which combines the technical features of the two previous models with the possibility of direct connection to the water network and to supply steam and hydrated steam, all maintaining reliability and performance in accordance to the look-and-feel approach that it can be recognized in the most recent Dentalfarm models.

generatori di vapore / steam generators

HYDROVAP PRO A2104P

"WET & DRY" STEAM GENERATOR - DIRECT CONNECTION TO THE WATER MAINS



"Wet and Dry" steam and hot water generator unit that features an handpiece delivering either steam only or hydrated steam. Stainless steel boiler, perfectly insulated and fitted with external resistance preventing the detrimental action of limescale. Direct connection to the mains water supply. Refilling is automatically activated as the water level slightly decreases, in such a way small quantities of cold water are frequently poured in, thus preventing the internal temperature from falling down. Steam is delivered through a powerful spraying gun; an additional (gray) switch has been conveniently placed on the handpiece which allows to dispense the steam overcharged with water to increase the cleansing efficacy. A working pressure à 6 BAR and a water temperature of 155°C are the necessary parameters to assure accurate degreasing and deep cleaning of dental prostheses.

TECHNICAL FEATURES

Integrated safety valve, automatic control of the internal level, emergency lock in case of water lack, long duty steam storage.

The heating resistance is not plunged in the water thus avoiding any possible contamination due to limestone.

Boiler capacity: 4.9 litres - Water volume: 2.0 litres

Max pressure: 6 BAR

Water temperature: 155 °C

Power or the heating resistance: 1500W

Time necessary to attain the working temperature: 10 minutes approx.

Overall dimensions: mm 400x470x410H

Weight: 16 kg



H8 Water Softener (A2201)

The H8 is a reliable water softener recommended for HYDROVAP PRO and to all steam generators with direct connection to the mains water supply.

A cation resin water softener is the ideal solution to increase a steam generator lifespan. In addition, by adding a simple T-junction, it can also supply demineralised water for further Dental Laboratory uses, thus improving the quality of the elements. Made in stainless steel, it guarantees continuous water delivery, even during the resin regeneration process, activated using NaCl (coarse salt).



generatori di vapore / steam generators

HYDROVAP MANUAL

A2103M

STEAM GENERATOR - MANUAL



Steam generator featuring a stainless-steel boiler extremely compact in size and perfectly insulated. The resistance has been ideally positioned outside with the specific aim to prevent any detrimental action caused by the limestone. The water feeding system is manual and has to be carried out when the unit is cold, under idle mode. The spraying gun dispenses the steam jet for perfect cleaning action.

TECHNICAL FEATURES

Closing cap with built-in safety valve, emergency lock in case of water shortage.

The heating resistance is not plunged in the water thus avoiding any possible contamination due to limestone.

Boiler capacity: 4.9 litres - Water volume: 2.0 litres

Max pressure: 6 BAR

Water temperature: 155°C

Max absorbed power: 1500W

Time necessary to attain the working temperature: 15 minutes approx.

Compact overall dimensions: mm 330x350x350h

Weight: Kg 12.5

HYDROVAP SEMI-AUTOMATIC A2103P

Steam generator with the same technical features as the MANUAL model to which it adds the semi-automatic recharging function, from an external tank or directly from the water mains. The water filling is activated by pressing the white button placed on the left of the panel and can be operated, during the daily use, without waiting for the boiler to cool. By pressing the button, the machine picks up water from the tank (or from the water supply, depending on the connection chosen during installation). The operator must only pay proper attention not to exceed the maximum water level.

TECHNICAL FEATURES

The heating resistance is external.

Boiler capacity: 4.9 litres

Water volume: 2.0 litres

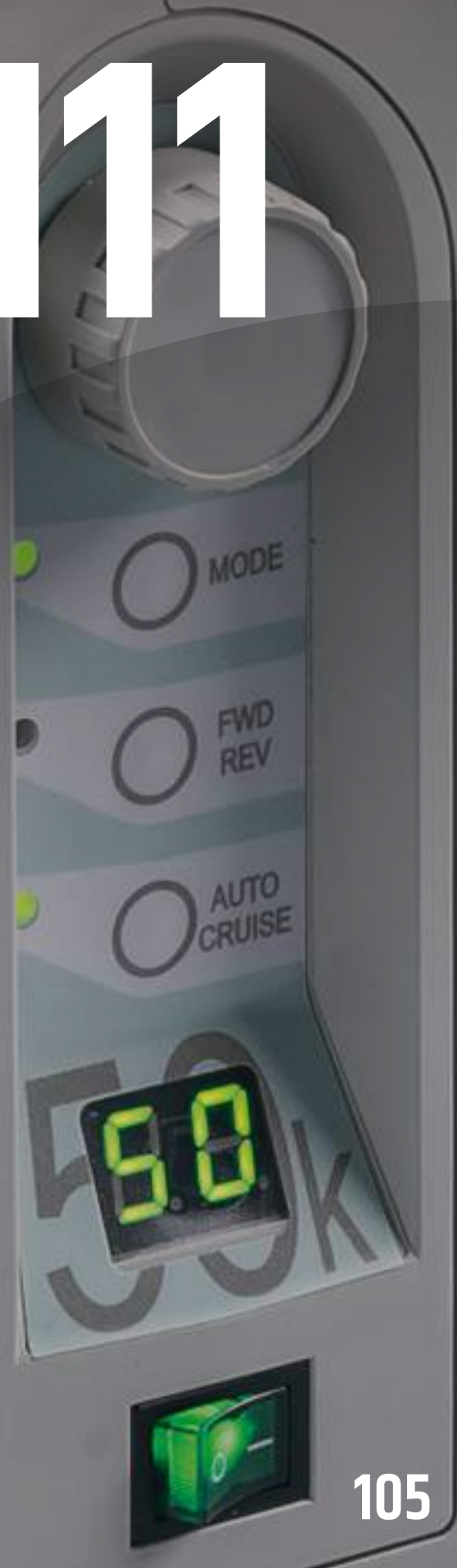
Weight: 13 kg



apparecchi di servizio / service equipment

HP.35 - HP.45 MULTIFUNCTION - HP.50
ZIRKO SURFIN 300K
PRO.3 - PRO.3 SHAKE

104/111





HP-35 ON-OFF A5030

BENCH-TOP BRUSH MICROMOTOR

Bench-top micromotor featuring a compact, heavy-duty control unit and ergonomic 35.000rpm handpiece. The speed can be adjusted through a potentiometer and the foot-control works as starting switch. Offering the feasibility to work manually, too (use of the foot-control is excluded) for prolonged use under reverse rotation. Handpiece with electric motor of good performance (3,0 Ncm torque).

TECHNICAL FEATURES

- Dual handpiece support.
- 2 operating modes – manual or by foot-control
- Speed adjustment on control box
- Reverse function available
- Easy-to-replace carbon brushes
- Effective dust-proof mechanism
- Durable and quiet, vibration-free operation
- Size of control unit: mm 120x150x95h
- Handpiece: Ø 29x152 mm
- Weight: 1,8 kg



HP-45 MULTIFUNCTION A5035P

BENCH-TOP BRUSH MICROMOTOR

Bench-top micromotor featuring a compact, heavy-duty control unit and ergonomic 45.000rpm handpiece.

The speed can be adjusted through a potentiometer and the foot-control provides for progressive speed (rheostat).

Offering the feasibility to work manually, too (use of the foot-control is excluded) for prolonged use under reverse rotation.

Electronic overload protection with compulsory manual restart. Handpiece with top performance electric motor (4,0 Ncm torque).

TECHNICAL FEATURES

- Dual handpiece support.
- 2 operating modes – manual or by foot-control
- Speed adjustment on control box
- Reverse function available
- Overload safety feature
- Easy-to-replace carbon brushes
- Effective dust-proof mechanism
- Durable and quiet, vibration-free operation
- Size of control unit: mm 120x150x90h
- Handpiece: Ø 29x152 mm
- Peso: 1,9 kg

HP-50T BRUSHLESS^{A5051}

BRUSHLESS MICROMOTOR

Model featuring bench-top vertical control unit with digital display. Three operating possibilities: manual, by foot-control or knee-control (the specific housing of the control unit allows the micromotor to be installed on the bench right side at the most comfortable height). Adjustable speed with auto-cruise function and reversible rotation. Permanent self-diagnostics detecting any uncorrect function and accurate check procedure on each components which can be carried out by the User himself. New generation brushless handpiece (50.000 rpm) assuring utmost performance (torque 6.8 Ncm) and excellent grip.

TECHNICAL FEATURES

Motor: 160W

Speed: 1.000 - 50.000 rpm

Handpiece: Ø 23×63 mm

Torque: 6,8 Ncm

Size of control unit: mm 95x270x230H

Weight: 4,5 Kg





ZIRKO-SURFIN 300K A5090

LAB AIR TURBINE WITH SPRAY

Powerful, quite and reliable air high speed turbine which has been studied for accurate modelling and finishing operations on aesthetic works in ceramics, lithium disilicate or zirconia. The 4-5 BAR powered rotor attains the speed of 300.000 rpm. Cooling of both the tool and the machined surface is assured by a steady flow of air and can be extended thanks to the water mister obtained through the atomised water contained in the internal tank.

The control unit incorporates the air treatment set (consisting of filter, pressure reducer and pressure gauge), the tank for the cooling water, the pneumatic connections (input pipe-fitting and connection fittings to the foot-control, the flow adjustment valves and the support for the handpiece in idle mode). The chuck pliers accommodate burs with shaft Ø1.6mm which can be easily inserted and locked in place without using any specific tools.

TECHNICAL FEATURES

Air pressure: 4-5 BAR
 Consumption: 40-50 l/min
 Water tank: 170ml
 Handpiece size: Ø22 x 142mm
 Handpiece weight: 105g
 Bur shaft: Ø1.6mm
 Control unit size: mm 230x170x210H
 Total weight: 4,1 kg

PRO-3_{A1501}

PROFESSIONAL EXTRACTION UNIT

Extraction unit fitted with 1000W high-speed motor and a flow rate of 150 cubic meters per hour. Three-stage filtration concept consisting of paper bag, nylon sack and 1µ polyester cartridge. Most suitable for the extraction of dry dust particles originated during the plaster and investment processing. It can be connected to two distinct units (provided they are not operated simultaneously) in such a case the connection kit item (code 1501501) has to be ordered.

TECHNICAL FEATURES

Motor: High speed, 1000W power

Intake air flow volume: 150 cubic meters per hour

Overall dimensions: mm 380x380x620h

Noise level: <69 dB (A)

Weight: 9,8 kg



PRO-3 SHAKE^{A1502}

PROFESSIONAL EXTRACTION UNIT

Extraction unit fitted with 1200W high speed motor and a flow rate of 170 cubic meters per hour.

Three-stage filtration concept consisting of paper bag, nylon sack and 1µ polyester cartridge efficiently combined to the action of the stirring mechanism which allows to clear it from the accumulated sediments which tend to decrease the exhaust speed.

Most suitable for the extraction of dry dust particles originated during the plaster and investment processing. It can be connected to two distinct units (provided they are not operated simultaneously), in such a case the connection kit item (code 1501501) has to be ordered.

TECHNICAL FEATURES

Motor: High speed, 1200W power

Intake air flow volume: 170 cubic meters per hour

Overall dimensions: mm 380x380x800h

Noise level: <69 dB (A)

Weight: 13,3 kg



protesi mobile / prosthetics

THERMOPOL SMALL
THERMOPOL LARGE
PRESS



112/115

THERMOPOL
dentalfarm





THERMOPOL SMALL A2502S

THERMOPOL LARGE A2502L

Muffle polymerizing units engineered in a stainless steel housing. Easy-to-read, precise and reliable control software. The working cycle is performed over two distinct stages: pre-heating and final polymerization, and all parameters of both stages can be adjusted according to requirements. The operating mode at the end of the cycle provides for the resistance to switch off automatically thus being assured of slow fall in temperature which will prevent any thermal shocks to the resin. Option to incorporate a pre-ignition timer. Side cock for quick water outlet.

TECHNICAL FEATURES

Polymerizing temperature: 100 °C (boiling)

Timer: up to 99 h 59 min

Useful tank dimensions and capacity:

Thermopol Small, mm 180x310x260H (6 flasks complete with clamps)

Thermopol Large, mm 330x310x260H (12 flasks complete with clamps)

Overall dimensions: Thermopol Small: mm 200x440x420H - Thermopol Large: mm 350x440x420H

Absorption: 1.200W

Weight (net): Thermopol Small, 9 kg; Thermopol Large, 12 kg

PRESS A5701

Hydraulic press featuring a pressing lock which allows to accommodate up to three flasks simultaneously. The hydraulic circuit is leak-proof and no maintenance is required. Leak-proof hydraulic circuit.

TECHNICAL FEATURES

Maximum pressure: 400 BAR

Maximum strength: 15000kg

Dimensions: 200x200x550H mm



A5702



A5703



A5704



A5705

A5707



Clamps and flasks

Available:

A5703 aluminum clamp for one flask

A5702 aluminum clamp for two flasks

A5704 stainless steel clamp for press (two flasks)

A5705 four-elements modular brass flask

A5707 self-clamping brass flask



illuminazione da banco / bench LED lighting

SOLAR SQUARE
SOLAR BENCH
SOLAR PROFESSIONAL

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SOLAR SQUARE^{A7001}

LED BENCH LAMP WITH MAGNIFIER



Bench lighting fitted with a large rectangular 3x magnifying lens. New design providing for pure white lighting over SMD LED bars.

The lamp can be fixed either on the working bench or wall mounted (bracket available upon request).

The 56 LEDs emission is white (6400° K) and comparable with natural light.

The large 3x magnifying glass ensures ideal operation from a distance of 200 mm.





SOLAR BENCH A7003

LED BENCH LAMP WITH MAGNIFIER

The compact SOLAR BENCH lamp combines excellent lighting ensured by a SMD 40 LEDs ring with the facility to choose between two different magnifying effects for the most accurate control. The round 95 mm magnifying glass with 3x (12x) magnification ensures ideal operation from a distance of 80mm. The LED light emission is white (6400° K) and comparable to natural light. The firm base allows for a wide extension of the arm



The 3x lens provides for a more powerful section achieving 12x magnifying effect



SOLAR PROFESSIONAL A7501

LED BENCH LAMP

Professional working lamp assuring a wide lighting view over the operating area. The lamp features two extremely powerful LED SMD bars (42 LED each, 84 LEDs in total) for pure white light. Each LED bar can be operated individually (providing for simultaneous or individual operation) and the brightness level can be adjusted electronically to achieve the most suitable working condition. The extensible double-joint arm allows for ideal position of the lamp thus avoiding any shades. The lamp can be permanently fixed on the bench or hung on the wall by means of the available accessories to meet any space requirements.



Each LED bar can be operated individually (providing for simultaneous or individual operation) and the brightness level can be adjusted electronically to achieve the most suitable working condition



PHOTOPOL

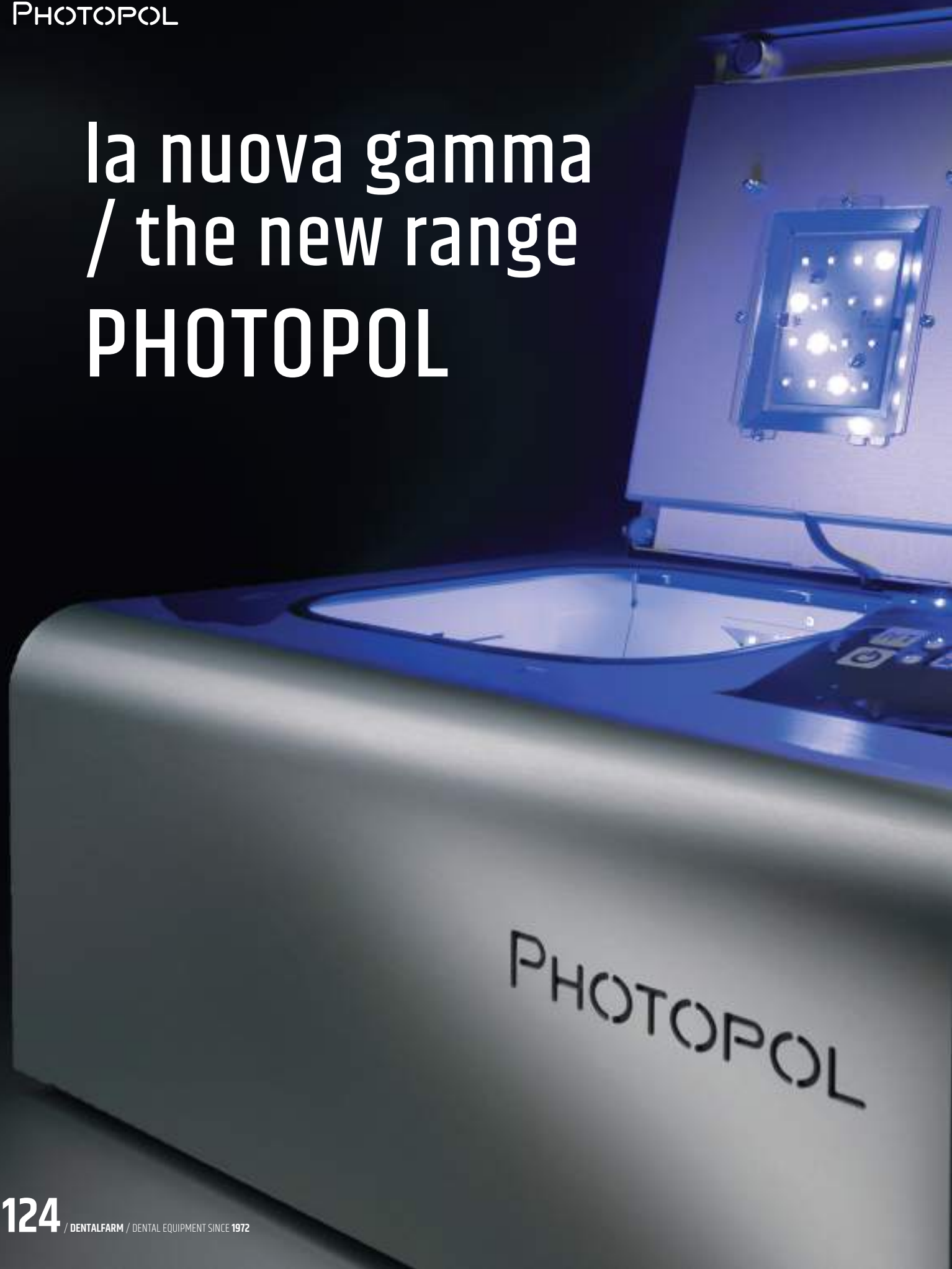
PHOTOPOL VACUUM+GAS
PHOTOPOL DIGITAL
PHOTOPOL SMART

122/133



PHOTOPOL

la nuova gamma / the new range PHOTOPOL





The growing popularity achieved by 3D printing, in the Dental field too, has allowed Dentalfarm to leverage its experience in the design and engineering of LED polymerization units (started several years ago with the Photopol Pro, for dental composites) for the post-curing of objects created by means of 3D printing, giving the opportunity to our brand to establish itself in a sector in which companies of considerably different size and capitals usually operate and demonstrating, once again, how the Italian creativity can successfully express itself internationally.

Dentalfarm has managed in recent years to consolidate important partnerships with some of the most representative 3D resins manufacturers and thanks to their endorsement, has engineered and created a complete range of post-curing for the polymerization of 3D resins.

The (A5408V) PHOTOPOL VACUUM + GAS version, to name the most representative and innovative model, features all indispensable functions for the post-curing of biocompatible 3D resins. (Class IIa). The marketing of the PHOTOPOL models in fields other than the traditional Dental, led to the creation of the new trademarks Audiofarm and Omnifarm.



PHOTOPOL VACUUM+GAS

A5408V

LED POST-CURING UNIT FOR BIOCOMPATIBLE 3D RESINS



PHOTOPOL "VACUUM+GAS" (A5408V) is equipped with 6 special circuits (8-LEDs Hi-Power SMD, 48 LEDs in total) with optical reflectors, developed to maximize the irradiation effect. Thanks to its wide operating spectrum it allows to post-cure components created with 3D printers working both at a wavelengths of 385nm or at 405nm.

It features a Touch-Screen Full-Color display to select parameters and to store programs, with user-friendly icons. All curing cycles can be performed under vacuum (a very powerful but compact oil-less pump is built-in) and the unit can be connected to an external protective gas appliance (Nitrogen N₂) to comply with the Medical Device Regulations for Class IIa biocompatible materials.

The "Vacuum+Gas System" allows to flow into the working chamber only a fixed quantity of Nitrogen (approx 1.5 litres per cycle) with the advantage of very low gas consumption.



PHOTOPOL



PHOTOPOL VACUUM+GAS (A5408V) is a LED polymerization unit for the post-curing of objects created by means of 3D printing with biocompatible 3D resins in Class IIa for professional applications and it can be considered as a distinctive element within a certified 3D printing digital workflow. It is currently valued in the Dental field (orthodontic base components, drilling templates, occlusal splints, fixation and transfer keys, X-ray and drilling templates, temporary tooth restorations) and in the Hearing Aid field (hard earmoulds and hearing protections, hard ITE shells, soft massive earmoulds, noise protectors, foil earmoulds).



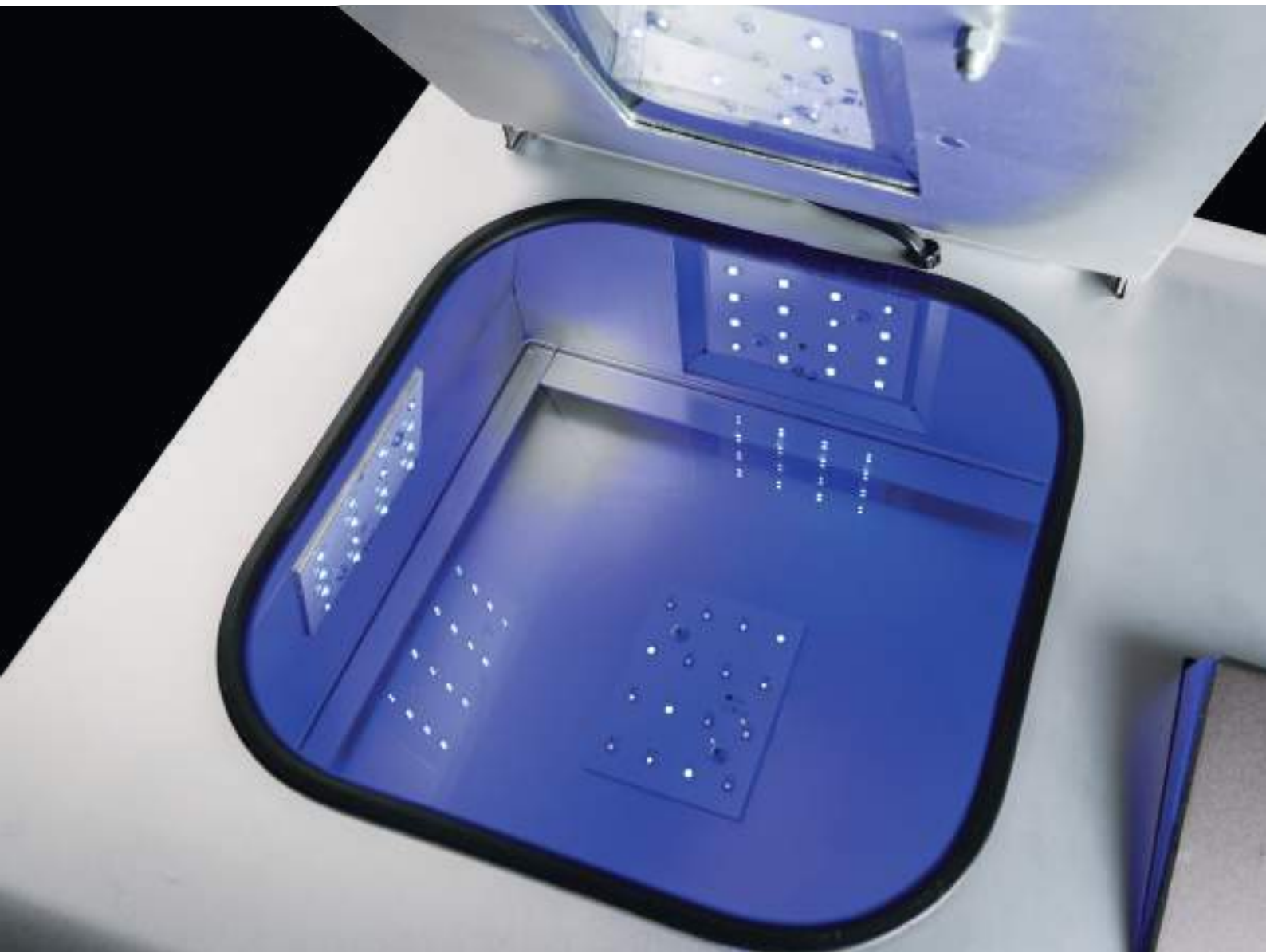
PHOTOPOL DIGITAL

A5408D

LED POST-CURING UNIT FOR 3D RESINS



PHOTOPOL "DIGITAL" (A5408D) is equipped with 6 circuits of 16 LEDs Hi-Power SMD, 96 LEDs in total. Thanks to its wide operating spectrum it allows to post-cure components created with 3D printers working both at a wavelengths of 385nm or 405nm. It features an very wide treatment area (250x250mm x h100mm). The "DIGITAL" version features a Touch-Screen Full-Color display to select parameters with user-friendly setting with icons. Programs can be also be easily stored. It does not feature the "Vacuum+Gas System", only available with model code A5408V.



PHOTOPOL SMART

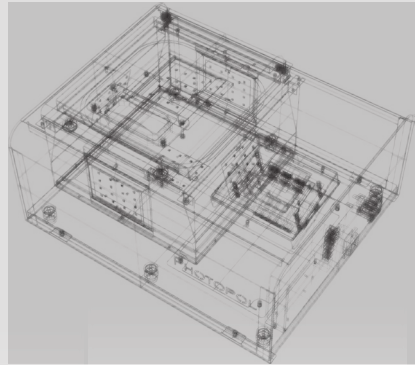
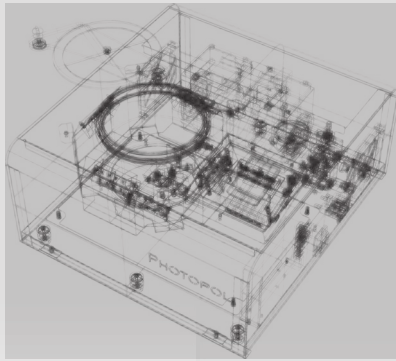
A5408S

LED POST-CURING UNIT FOR 3D RESINS



PHOTOPOL "SMART" (A5408S) is equipped with 6 circuits of 16 LEDs Hi-Power SMD, 96 LEDs in total. Thanks to its wide operating spectrum it allows to post-cure components created with 3D printers working both at a wavelengths of 385nm or 405nm. It features an very wide treatment area (250x250mm x h100mm). The SMART version has the two-digits control panel that allows to enter the time of the curing cycle (up to 99 minutes) and the power (P1 to P9) to deliver an the impressive 96 LEDs irradiation effect. It does not feature the "Vacuum+Gas System", only available with model code A5408V.

PHOTOPOL



	VACUUM-GAS A5408V	DIGITAL A5408D	SMART A5408S
VACUUM + GAS SYSTEM to post-cure biocompatible 3D resins	✓	-	-
DIGITAL Software control and Full-Color-Touch-Screen	✓	✓	-
SMART Two-digits control panel	-	-	✓
CURING TREATMENT AREA Useful for placing objects: Ø 135 mm x h 80 mm Size: 250x250 mm h 100 mm	✓ -	- ✓	- ✓
LED CIRCUITS	6x8* (48 LEDs) *circuits featuring special reflectors	6x16 (96 LEDs)	6x16 (96 LEDs)
WAVELENGTHS SPECTRUM: from 365nm to 430nm	✓	✓	✓
VOLTAGE 230V or 110V (available upon request) - 50/60Hz	✓	✓	✓
ABSORPTION	500 W	450 W	450 W
OVERALL DIMENSION Width Depth Height	400 mm 400 mm 240 mm	450 mm 360 mm 215 mm	450 mm 360 mm 215 mm
WEIGHT NET/GROSS	15,0 - 17,0 Kg	9,0 - 11,0 Kg	9,0 - 11,0 Kg



gestione garanzie / warranty management

All equipments are inspected after manufacturing and are covered by a 1-year warranty.

The label "Made in Italy" symbolizes the high quality assured by our company.

After purchasing a Dentalfarm product, the customer must activate the warranty by filling in the online form, available on our website at www.dentalfarm.it



Quality Management System certified according to UNI EN ISO 9001:2015

assistenza e post-vendita / assistance and after-sales



DEALERS NETWORK

Dentalfarm avails of a qualified and widespread network of authorized distributors over the local territory working through the intermediary of the most reputable Dental Dealers..



ASSURED QUALITY

All equipments are inspected after manufacturing and are covered by a 1-year warranty. The label "Made in Italy" symbolizes the high quality assured by a leading company



CUSTOMER SERVICE

Trained staff assure a prompt servicing and repair. A skilled technician will evaluate the necessary reconditioning and work out a detailed estimate of repair costs. Your equipment is in good hands.



10 YEARS SPARE PARTS

Every time you buy a Dentalfarm product, you are assured of consistent superior results over the time. Genuine spare-parts are readily available over a period of 10 years from the last manufacturing date.

website & social media

Technology as a tool to enjoy content.
Design and images as a universal language
and as a point of contact.
Digital communication as a vehicle for sharing
knowledge and emotions.

This is for us our website dentalfarm.it
and this is how we use social networks.
Enter our world.



[facebook.com/
dentalfarm/](https://facebook.com/dentalfarm/)



[twitter.com/
dentalfarmitaly](https://twitter.com/dentalfarmitaly)



[instagram.com/
dentalfarm_italy/](https://instagram.com/dentalfarm_italy/)

dentalfarm in the world

In the history of Dentalfarm we find the value of people who live and work with passion in a company founded in 1972 in Turin, Italy.

Just from the very beginning we started exporting our products all over the world. We like to share the opportunities and the daily needs that we find at work with the same customers who distribute our products on the five continents, creating a new “collage” of experiences every day.





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