



PRODUCT CATALOGUE 2014



DENTALFARM

Dentalfarm has been acting as a well-established player throughout the global dental industry for about 40 years, focusing its core business on the manufacture and distribution of equipment, accessories and consumables for the dental lab.

Actively pursuing a steady growth, Dentalfarm has been able to combine both creativity and efficiency, innovation and tradition, striving to fulfil the highest expectations of its professional partners.

Dentalfarm offer is mainly focused on equipment and consumables for the dental laboratory and it has been recently implemented by the addition of units and products for the dental clinic.

Our catalogue layout has been studied according to the logical sequence of working stages common to the dental laboratory.

It is a precious reading instrument that can be used as a valid support in combining the most proper machine according to its specific use.

WORKING STAGES

- | | |
|---------------------------------------|---|
| 1. IMPRESSION DETECTION AND TREATMENT | 12. MECHANIC PICKLING AND BOND ROUGHENING |
| 2. MODEL BASE PREPARATION | 13. PROCESSING OF AESTHETIC MATERIALS |
| 3. DENTURES PLANNING | 14. FINAL POLISHING |
| 4. POSITIONING OF ATTACHMENTS | 15. ANAESTHETIC |
| 5. WAX MODELLING | 16. COMPOSITE FILLING |
| 6. INVESTING | 17. DUST EXTRACTION |
| 7. PRESSING | 18. FUME EXTRACTION |
| 8. MOULD BAKING | 19. BENCH LIGHTING |
| 9. CASTING | 20. MAGNIFYING OVERVIEW |
| 10. DEVESTING | 21. CLEANING AND SANITIZING |
| 11. FINISHING | 22. HEAT-CURING OF ACRYLIC RESINS |

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MAIN INDEX

DENTALFARM EQUIPMENT

DENTALFARM BLASTING UNITS	page 4
ALL-IN-ONE BLASTING CENTERS	page 5
DEVESTING SANDBLASTERS	page 6
FINISHING MICROBLASTERS	page 7
D.O.S. Patent	page 8
SUPPLEMENTARY MICROBLASTERS	page 9
SANDBLASTERS AND MICROBLASTERS IN MOUNTING KIT	page 10
ELECTRIC EXTRACTORS	page 11
W.A.F.I.S. Patent	page 12
WATER-AIR FILTERING SYSTEMS	page 13
INVESTMENT AND PLASTER VIBRATORS	page 16
VACUUM MIXERS	page 17
SURVEYORS	page 18
MILLING UNITS	page 19
DRY AND WET MODEL TRIMMERS	page 20-21
LIGHT-CURING UNITS FOR COMPOSITES	page 22-23
LIGHT-CURING UNITS FOR PLATES	page 23
BRUSH AND BRUSHLESS MICROMOTORS	page 24
AIR TURBINE WITH WATER SPRAY	page 24
STEAM CLEANERS	page 25
MOTORIZED TABLE-TOP CENTRIFUGE	page 26
CASTING AND WELDING TORCHES - CYLINDER HOLDER TROLLEY	page 27
INDUCTION CASTING MACHINES	page 28-29
BUNSEN BURNERS	page 30
INDUCTION BURNER	page 31
WAXING UNITS	page 31-32
WAX HEATERS	page 33
PIN-HOLE DRILLING UNIT - STUMP SEPARATING UNIT	page 34
POLISHING LATHES - MODEL FINISHING UNIT	page 35
MUFFLE POLYMERIZING UNIT - HYDRAULIC PRESS	page 36
BURN-OUT FURNACES - FORCED VENTILATION CHIMNEY	page 37
TRADITIONAL AND PRESSED CERAMIC FURNACES	page 38-39
DRY VACUUM PUMP	page 39
LED LIGHTING WITH MAGNIFYING LENS	page 40-41
FLUIDIZERS FOR CEMENTS AND COMPOSITES - NEEDLE-BURNERS	page 42

DENTALFARM PRODUCTS

POWDER ABRASIVES	page 14-15
LIGHT-CURING PLATES	page 23
CRUCIBLES - CASTING ACCESSORIES	page 30
CLAMPS AND FLASKS	page 36

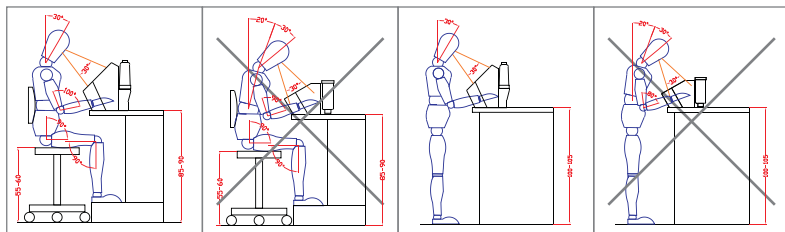
DENTALFARM BLASTING UNITS

A sandblaster is most commonly used to carry out the working stage distinctive of any dental laboratory. The goals are multiple and they differ depending on the working procedure. We must underline that one only blasting unit and one abrasive product can not perform all the operations. Main activities can be splitted into: devesting (executed under higher pressure values, with nozzles allowing for wider impact effect, using coarser, re-circulating abrasive) and finishing (lower pressure values, small-size nozzles assuring very precise blasting jet, extremely fine disposable abrasive products).



NEW LED LIGHTING

The most recent innovation implementing all our blasting models is the LED lighting which assures increased visibility of working area for high precision whilst cutting down consumption. The 42 LED-circuit provides for pure, white light very similar to natural effect, with no blind areas.



ERGONOMICS

Time devoted to the range of blasting applications is significant and, as a consequence, the working position is of utmost importance. During the design stage, Dentalfarm has been allocating remarkable resources and commitment to ergonomics and their equipment quite often differ from the units offered by the competition.



HEALTH

Sandblasters have been identified as major source for very fine dust particles which must in no way be breathed in. Our exclusive WAFIS filtering system is the unique solution assuring to definitely solve this problem.



ATTENTION TO DETAILS

All tanks clearly identify the abrasive products to be used. A valve allows for the adjustment of incoming air flow to compensate the suction power. Microblasters offer the option to choose where the suction pipe can be fitted to: upstream, in case only suspended dust particles will have to be drained, downstream for efficient removal of worn abrasive, too. Controls have been conveniently positioned inside the working chamber. Microprojectors have been arranged on a separate support, away from the abrasive flow. The viewing window is scratch-protected by easy-to-replace screens.



HIGH QUALITY ABRASIVE MEDIA

In conjunction with blasting units, Dentalfarm is proposing a wide selection of high quality abrasive powder. Indeed, abrasives are the working tool and must be pure, with very fine and uniform grain and most suitable to the working requirements. To be granted a superior result, the use of Dentalfarm abrasive media is strongly recommended.

ALL-IN ONE BLASTING CENTRE

DEVESTING 10

MECHANIC PICKLING AND BOND ROUGHENING 12

FINAL POLISHING 14

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. To satisfy these requirements, Dentalfarm has been the very first on the market to offer dual-purpose blasting centres featuring a large working chamber for the re-circulating abrasive method to remove investment and casting oxidations and built-in tanks for disposable abrasive method. Additional versions are available, upgraded up to three or even five working functions. The built-in tanks can be fitted with the exclusive abrasive heating and drying system assuring smooth flow of very fine abrasives.



A1072ED BASE DOS

Blasting centre consisting of:

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

A peculiar feature of this model is represented by the possibility to add-on two more tanks, thus upgrading to separate working functions.

The adoption of the unique patent DRY OXIDE SYSTEM (D.O.S.) allows to produce consistent results with no problems originated by poor slowing or loss of purity in very fine abrasives.

The standard range already incorporates the necessary instrumentation and controls, now implemented by the newest LED white lighting system.

A similar version of this model not equipped with the D.O.S. abrasive drying system is available, too - **A1072E BASE Evoluzione**



A10723 BASE 3

Blasting centre consisting of:

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

Not upgradable with additional tanks, three maximum blasting functions are thus allowed.

The standard range already incorporates the necessary instrumentation and controls, now implemented by the newest LED white lighting system.

Model offering the convenient price/quality ratio.

A similar version of this model is available with limited range of applications since fitted with one tank only - **A10722 BASE 2**



A1064T BASE MATIC Evolution

Manual and automatic sandblaster pre-arranged to fit one or two microblasting tanks.

The working centre consists of:

- a wide working chamber with the coarse, aggressive corundum used to remove investment, propelled by two powerful re-circulating projectors, the first tilted towards the rotating basket for the automatic blasting cycle, the second for any manual blasting procedure.

- upgradable up to two disposable microblasting tanks for aluminium oxide or polishing microbeads.

Three functions allowed, as maximum.

The standard version already includes the necessary instrumentation and controls and the automatic cycle is controlled over a timer.

Ideally suited for large laboratories specialized in denture frameworks.

Item Code	Description	Dimensions		Absorp.	Air Consumption		Nozzle	Nozzle
		L x P x H	Weight Kg		Devesting	Finishing		
A1072ED	BASE D.O.S.	415x465x445	15,0	120W	120 l/min	16+30 l/min	3,0 mm	2 x 0,8
A10723	BASE 3	415x465x445	11,8	60W	120 l/min	16+30 l/min	3,0 mm	2 x 0,8
A1064T	BASE MATIC EVOLUTION	440x520x500	26,5	260 W	150 l/min	16+30 l/min	2 x 3,5mm	-

DEVESTING SANDBLASTERS

Traditional sandblasters utilize a very simple abrasive distribution system based on the Venturi system. The compressed air is sucking up the abrasive from the working chamber feedbox at the bottom and it is then propelled under high pressure onto the casting mould to be cleaned. Abrasive grains steadily fall inside the working chamber and are re-utilised several times until they loose their cutting effect. Every blasting unit has to be equipped with an efficient extraction and filtering system.



A1064N BASE MATIC

Automatic and manual sandblaster most suited for laboratories working predominantly on steel frameworks. The working place consists of a wide chamber with coarse corundum used to remove investment, propelled by two powerful, recirculating projectors, the first tilted towards a rotating basket for the automatic blasting cycle and the second for any manual blasting procedure. Possibility to use one only abrasive. The standard version already incorporates the necessary instrumentation and controls and the automatic cycle is controlled over a timer.



A1072 BASE

Manual sandblaster ideally suited when the two blasting functions are carried out separately (devesting in plaster room and finishing with an additional unit) The working place consists of a large chamber with coarse corundum to remove investment. One only abrasive can be used. The standard version already includes the necessary instrumentation and controls, recently implemented by the new LED lighting. The blasting procedure is carried out through a fixed projector, operated by foot-control.



A1054S ORO with FOOT-CONTROL

Manual sandblaster, compact in size, ideally suited to work with coarse corundum to remove investment. One only abrasive can be used. Totally integrated unit standard featuring air filter, pressure regulator, pressure gauge and foot-control for most accurate performance. New LED lighting.

Similar to this model is the economically-priced version, without foot-control, air filter and pressure regulator - **A1054 ORO**

Item Code	Description	Dimensions		Absorp.	Air Consumption		Nozzle	
		L x P x H	Weight Kg		Devesting	Finishing	Devesting	Finishing
A1064N	BASE MATIC	440x520x500	26,5	260 W	150 l/min	-	2 x 3,5mm	-
A1072	BASE	415x390x445	10,0	60 W	120 l/min	-	3,0 mm	-
A1054S	ORO with FOOT-CONTROL	420x350x400	9,5	9 W	95 l/min	-	3,0 mm	-

FINISHING MICROBLASTERS

Equipment developed for use with disposable abrasives, featuring extremely fine grain and high purity. When properly fitted with the most suitable spraying nozzle according to the different grain size, a variety of operations can be accomplished: preparation of the retention wall to facilitate bonding with ceramics; mechanic pickling (degreasing of the contact surface); satin-finishing of non-coated metallic inserts; extremely accurate sandblasting of hard-to-reach interstices. Different size of nozzles ranging from Ø 0,5 mm to Ø 2,0 mm can be fitted, suitable for abrasive grainsize 270 (50µ) to 60 (250µ). The abrasive media to be used are: aluminium oxide and micro glassbeads.



A1073ED MICRA EVO DOS

This modular microblaster is proposed in the standard version complete with two disposable abrasive tanks (aluminium oxide or glass microbeads) upgradable up to two additional tanks. Large working chamber fitted with collection area for disposable abrasives separated through a filtering grate. The large viewing glass allows an optimum view of the treatment area. Unique feature is the incorporated patented DRY OXIDE SYSTEM (D.O.S.), which assures to work at ease, avoiding the irritating inconveniences due to poor slowing or loss of purity in very fine abrasives. Totally integrated unit accommodating in the basic version the necessary instrumentation and controls for ideal operation. Newly developed LED lighting. Dual intake for connection to the suction system, one located upstream for the extraction of the suspended dust particles only and one placed downstream allowing efficient suction of the worn abrasive.

A similar version of this model not equipped with the DOS abrasive drying system is available, too - **A1073E MICRA Evoluzione**



A10732 MICRA 2

Microsandblaster incorporating two separate disposable abrasive tanks as standard version, for use with either aluminium oxide or polishing glassbeads.

Maximum two functions are allowed.

The working chamber is fitted with collection area for non-recirculating abrasive product, separated by a filtering grate. The front large panoramic viewing glass enhances visibility of the whole working area for high precision.

Totally integrated unit accommodating in the basic version the necessary instrumentation and controls providing ideal operation. Newly developed LED lighting.

This model offers the most convenient price/quality ratio.

A similar version derived from this model is available with one tank only - **A10731 MICRA 1**

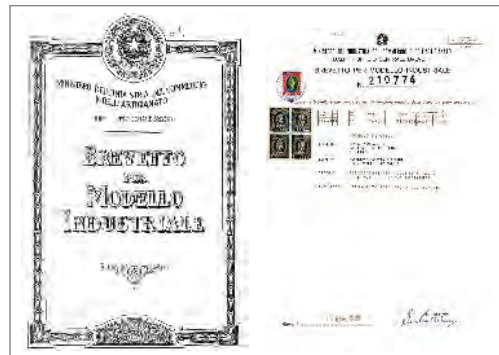
Item Code	Description	Dimensions		Absorp.	Air consumption			
		L x W x H	Weight kg		Nozzle Ø 0,8	Nozzle Ø 1,2	Nozzle Ø 0,5	Nozzle Ø 2,0
A1073ED	MICRA EVO D.O.S.	410x450x415	12,7	300 W	20 l/min	45 l/min	10 l/min	120 l/min
A10732	MICRA 2	410x385x415	11,0	50 W	20 l/min	45 l/min	10 l/min	120 l/min

Dry Oxide System (D.O.S.) is an exclusive patent by Dentalfarm. The device, integrated in microblasting tanks, allows to eliminate moisture absorbed by very fine abrasives thus assuring a smooth and efficient flow. Indeed, without this system, nozzles are susceptible to clog and a steady air/abrasive flow is not assured. In addition, we must consider a less apparent but even worse problem: aluminium oxide, once moisture has been absorbed, is no more in a condition to carry out the correct pickling and degreasing of the surface. This phenomenon can cause the loss of final effect and the ceramic layer to remove. An extremely pure and dry abrasive only can definitely assure the correct pickling and bonding on metal surfaces.



MAIN FEATURES

Dry Oxide System (D.O.S.) is a device which fully eliminates the moisture commonly absorbed by very fine abrasive grains. The whole drying process is gradual since abrasives are refractory products and require lots of time to increase their temperature. For this reason, we recommend to keep the tanks always filled in, in order to have dried abrasive ready for use. Properly dried micro-glassbeads or fine aluminium oxides show separate grains, are easier to be mixed up with air and above all they have not lost their abrasive effect.



WORKING PRINCIPLE

The abrasive temperature is raised up by means of a low voltage electric resistance thus allowing humidity to evaporate which otherwise would cause the grains to agglomerate, the nozzles to clog steadily, resulting in a loss of pickling effect and in poor flowing of the air/abrasive mixture. To assure full efficiency and utmost performance of this system, humidity must flow out freely from the tanks. Dentalfarm abrasive tanks are air-tight sealed when working only and they are pressure-released as the process is over.

BENEFITS

- **steady air/abrasive flow**
- **absolute safety** since the tanks are not kept under pressure
- **microabrasives are always dry**, smooth-running and correctly dosed
- **degreasing effect is assured**
- **low consumption of abrasive product**

MICROBLASTING COMPLEMENTS

With the aim to increase the working functions of both the microblasters and the multifunction workstations, add-on tanks are available which can be directly built-in on the pre-arranged units (Evolution models) or fitted aside. A fundamental relation exists between the abrasive to be used, the spraying nozzle and the metering system inside the tank. EASY tanks have been specifically prepared to accommodate different grainsize of blasting media. Their configuration is marked through clear labels stating the abrasive minimum and maximum grainsize the tanks can be filled with. The use of selected, high-purity and high-quality blasting media is highly recommended. Dentalarm is offering its own abrasive range, meeting with all these requirements.

**A1072MD Add-on tank for BASE DOS**

Suitable for abrasives from 100 to 150my, nozzle \varnothing 1.2mm (optional \varnothing 1.5mm)

A1072FD Add-on tank for BASE DOS

Suitable for abrasives from 75 to 100my, nozzle \varnothing 0.8mm

A1072SD Add-on tank for BASE DOS

Suitable for abrasives from 50 to 75my, nozzle \varnothing 0.5mm

A1073MD Add-on tank for MICRA DOS

Suitable for abrasives from 100 to 150my, nozzle \varnothing 1.2mm (optional \varnothing 1.5mm)

A1073FD Add-on tank for MICRA DOS

Suitable for abrasives from 75 to 100my, nozzle \varnothing 0.8mm

A1073SD Add-on tank for MICRA DOS

Suitable for abrasives from 50 to 75my, nozzle \varnothing 0.5mm

A1072G Add-on tank for BASE and MICRA EVO

Suitable for abrasives from 150 to 250my, nozzle \varnothing 2mm

A1072M Add-on tank for BASE and MICRA EVO

Suitable for abrasives from 100 to 150my, nozzle \varnothing 1.2mm (optional \varnothing 1.5mm)

A1072F Add-on tank for BASE and MICRA EVO

Suitable for abrasives from 75 to 100my, nozzle \varnothing 0.8mm

A1072S Add-on tank for BASE and MICRA EVO

Suitable for abrasives from 50 to 75my, nozzle \varnothing 0.5mm

**A1067S PRESSURE BLASTER**

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.

A1068 PENCIL BLASTER

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.

KSK KASKO

Unit fully made in methacrylate fitted with easy-to-replace protection screen, preserving the operator from any chips and debris developed when using rotating instruments or microblasting units. Possibility for connection to an extraction system.

SANDBLASTERS AND MICROBLASTERS IN MOUNTING KIT

DEVESTING 10

MECHANIC PICKLING AND BOND ROUGHENING 12

FINAL POLISHING 14

The modular design of the new iDea sandblaster by Dentalfarm has been studied to allow the final User to carry out everything on his own. This solution enables to assemble the microblasting version fitted with two built-in tanks or to combine the recirculating abrasive projector for devesting purposes inside the working chamber. It is that simple. The operating connections are fully executed in our manufacturing plant thus assuring compliance with the safety regulations in force. You just have to follow few simple steps: to integrate the microblasting tanks and fit the devesting projector inside the working chamber, according to the instructions attached to the machine and ... all is fixed!



iDea WORKING CHAMBER

- Wide viewing window protected by interchangeable screen
- Highly efficient LED lighting
- Air filtering and adjusting unit
- Pneumatic selector switch over the available working functions
- Foot-control
- Blasting slags separating grate

iDea MICROBLASTING TANKS

- New large capacity "EASY" tanks
- Instantaneous release system of residual pressure
- The unit can be tailored to suit with disparate grainsize
- Ergonomic handles featuring wide nozzle adaptability



INSTALL THE 2 TANKS ON THE REAR PANEL

GO AHEAD INSIDE THE WORKING CHAMBER BY ASSEMBLING THE MICROPROJECTORS AND THE DEVESTING PROJECTOR

A10752 iDea 2 MICROBLASTER

Kit for the assembly of a complete microblaster consisting of a working chamber, two EASY tanks (request the most suitable nozzle to be fitted according to the abrasive grainsize in use) and two microprojectors
The unit is outfitted for connection to our electric WAFIS Filtering System (A1201E) or to our dust extractor PRO-3 (A1501)

A10753 iDea 3 BLASTING CENTRE

Kit for the assembly of a complete blasting centre made up of one working chamber, two EASY tanks (to be prepared according to the abrasives in use) with the appropriate handpieces and the blasting projector for the recirculating corundum abrasive with its support bracket.
The unit is outfitted for connection to our electric WAFIS Filtering System (A1201E) or to our dust extractor PRO-3 (A1501)

Item Code	Description	Dimensions		Absorp.	Air Consumption Devesting	Air Consumption Finishing	Nozzle Devesting	Nozzle Finishing
		L x W x H	Weight kg					
A10752	iDea 2	415x465x445	15,0	60W	-	16+30 l/min	-	2 x 0,8
A10753	iDea 3	415x465x445	11,8	60W	120 l/min	16+30 l/min	3,0 mm	2 x 0,8

EXTRACTION UNITS

The line of professional extraction units has been designed with the aim to solve the environmental problems related to the huge dust amount originated during plaster and investment processing techniques. Our PRO - 3 extraction units fit powerful high-speed engines which ensure a rapid evacuation of dust. The extracted air is forced through a 3-stage-filtering system consisting of a paper bag, a high-porosity nylon sack and finally 1 micron polyester cartridge. The range includes two models, differing in size of the housing and dimensions of the filtering elements. The most sophisticated version PRO - 3 Shake features an electromagnetic stirrer which considerably helps cleaning the filter from dust sediments to ensure a longer and more intensive use.



A1502 PRO-3 SHAKE

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

Three-stage filtration concept consisting of paper bag, nylon sack and 1 μ 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.



A1501 PRO-3

Extraction unit fitted with 1000W high-speed motor featuring a flow rate of 150 cubic meters per hour.

Three-stage filtration concept consisting of paper bag, nylon sack and 1 μ 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.



1501501 Double connection kit

This set allows to connect the extraction unit to two units at the same time. It includes a 3 meter pipe, a pipe-fitting for the extractor and a universal pipe-fitting with different sections for the user machine.



1501502 Sandblaster connection kit

This set allows to connect the extractor to any sandblasters and it is made up of a new air flow adjusting system and a high-capacity collector.



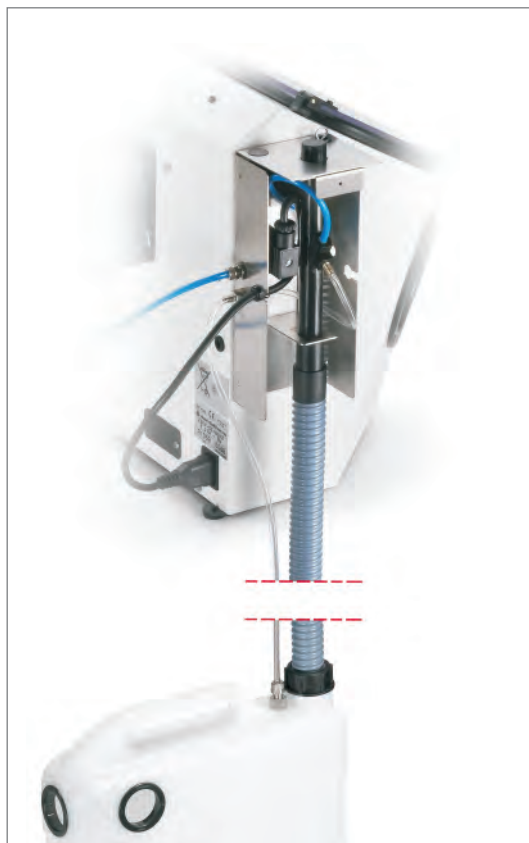
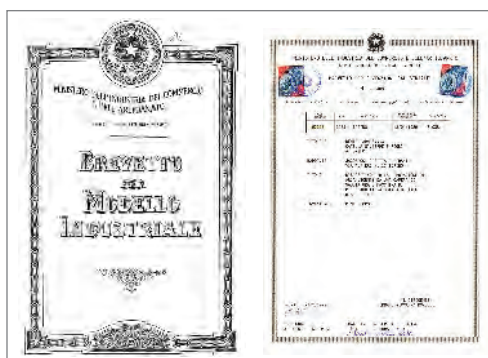
Item Code	Description	Dimensions L x W x H	Weight kg	Absorption	Extraction volume	Filtering stages and grade	Noise
A1502	PRO - 3 SHAKE	380 x 380 x 800	13,3	1200 W	170 m ³ /h	3 - 1 μ	<69 dB (A)
A1501	PRO - 3	380 x 380 x 620	9,8	1000 W	150 m ³ /h	3 - 1 μ	<69 dB (A)

Water Air Filtering System (W.A.F.I.S.) is an exclusive patent by Dentalfarm. The device, connected to the working chamber, allows to eliminate the very fine dust particles originated during the blasting procedure when crushing the investment surface. Alternative systems provide for the very fine dust particles to be quickly sucked and then conveyed to the dry filtering elements. Under such circumstance, the finest particles, most likely to be breathed, will inevitably come out with the great volume of air. Only a system based on the combined action of air and water can indeed attract the dust particles and eliminate them to the entire extent.



MAIN FEATURES

Wafis consists of a "static" system (no parts in motion) which avails of a very simple physical principle to extract the fumes (no motor) and uses normal tap water (no filter to clean or replace) to hold the dust particles. Extraction by pneumatic vacuum is rather slower than a conventional electric extractor, this feature allows the device to ideally separate the dust particles from the air and hold them. Just a few minutes spent reading our manual, complying with the easy installation rules, will assure you trouble-free performance.



WORKING PRINCIPLE

A special injector introduces compressed air into a small vertical pipe (depressor) thus originating a pneumatic vacuum which attracts the air saturated with dust particles developed during the blasting procedure. As this huge volume of air is forced inside the small duct, it is sprinkled by a fine stream of atomised water which attacks the dust particles, makes them heavier and let them accumulate at the bottom of the collection can. The filtering process is complete with the outlet of absolutely clean air. Humidified dust particles will accumulate inside the tank, not in your lungs.

TEST RESULTS

- **assured and certified filtering results** of the solid suspended dust particles **up to 99,8%**
- **minimal maintenance**, necessary only to keep the duct free from obstructions
- **no parts subject to wear**, no filters or bags to replace, no motor susceptible to break down
- **full compliance with the environment and the lungs of the workers**
- **it costs and uses less than any conventional extraction system**

Certificates obtained from the Institute of Hygiene, University of Turin

WATER-AIR FILTERING SYSTEM

The definitive solution for a successful filtering of dust particles originated during the blasting procedure has become an issue of utmost priority. The major problem arises from the difficult task to separate the finest dust particles from the compressed air. Traditional systems just combine dry filtering elements but, if air flows through, then inevitably dust will, too. On the contrary, in our WAFIS system, air impregnated with dust is forced in a small duct sprinkled by a fine stream of water. Air is a gas, therefore not wettable, whereas dust particles become heavier and accumulate at the bottom of a collection can where the mud thus obtained can be finally removed.



A1201S BUILT-IN WAFIS SYSTEM

Pneumatic water-air filtering system of dust particles developed during blasting operations. Extremely compact in size it allows easy assembly on the left side of Dentalfarm blasting units. It is connected to the blaster feeding system and it is automatically operated as light is on. Water is filled inside the same tank collecting the residual dust (to be position on floor) and it can be used for long time. A simple maintenance operation is required monthly: to remove the wet dust particles accumulated at the bottom and top up water to the marked level. The exhaust pipe must fall vertically with no bendings and properly cut at the tank intake.



A1201E ELECTRIC WAFIS SYSTEM

Pneumatic water-air filtering system of dust particles developed during blasting operations. Floor model to be placed aside the working bench and suitable for machines not manufactured by Dentalfarm, too provided they are fitted with electric feeding socket (electric operation). Water is filled in the internal tank collecting the residual dust and it can be used for long time. A simple maintenance operation is required monthly: to remove the wet dust particles accumulated at the bottom and top up water to the marked level. The exhaust pipe connecting the sandblaster to the filtering system must fall vertically with no bendings.



A1201 SELF-OPERATING WAFIS SYSTEM

Pneumatic water-air filtering system of dust particles developed during blasting operations. Floor model to be placed aside the working bench and suitable for machines not manufactured by Dentalfarm, too (manual operation). Water is filled in the internal tank collecting the residual dust and it can be used for long time. A simple maintenance operation is required monthly: to remove the wet dust particles accumulated at the bottom and top up water to the marked level. The exhaust pipe connecting the sandblaster to the filtering system must fall vertically with no bendings.

Item Code	Description	Dimensions L x W x H	Weight kg	Absorpt.	Air Consumption
A1201S	Left built-in WAFIS System	100x100x270	2,5	20W	20÷40 l/min
A1201E	Self-operating electric WAFIS System	280x250x400	6,2	20W	20÷40 l/min
A1201	Self-operating pneumatic WAFIS System	280x250x400	6,2	=	20÷40 l/min

ABRASIVE MEDIA AND MICROBEADS

CORUNDUM FOR DEVESTING 10

FINISHING GLASS-BEADS 11

ALUMINIUM OXIDE FOR MECHANIC PICKLING AND BOND ROUGHENING 12

MICRO GLASS-BEADS FOR FINAL POLISHING 14

The comprehensive range of Dentalarm abrasive media ideally meets with the needs of the final users and with the specific features of the blasting units which have been expressly developed to satisfy these requirements. Three different corundum media and glassbeads for re-circulating abrasive method, disposable aluminium oxide available in five different grainsizes and two disposable micro glassbeads form the wide selection satisfying the most discerning modern dental lab. Dentalarm blasting media offer a complete information directly printed on the labelled package. This exclusive service allows the final user to choose the most suitable product according to the specific treatment.



AP-036 CROMCOR GRAINSIZE 36 - 500MY

Coarse, aggressive corundum for chrome-cobalt and steel. Re-circulating method in sandblaster with nozzle \varnothing 3.5mm

AP-046 OROCOR GRAINSIZE 46 - 350MY

Coarse, aggressive corundum for non-precious alloys. Re-circulating method in sandblaster with nozzle \varnothing 3.0mm

AP-060 SUPERCOR GRAINSIZE 60 - 250MY

Coarse, aggressive corundum for precious alloys. Re-circulating method in sandblaster with nozzle \varnothing 3.0mm

AP-300 OROBLAST 200MY

Glass-beads for the satin-finishing of any alloys. Re-circulating method in sandblaster with nozzle \varnothing 3.0mm



AP-0605 Al₂O₃ GRAINSIZE 60 - 250MY

Coarser grain suitable for the preparation of the composite retention wall. Disposable abrasive method in microblaster with nozzle \varnothing 2.0mm

AP-120 Al₂O₃ GRAINSIZE 120 - 105MY

Coarser grain assuring an engraved retention for resin and ceramics. Disposable abrasive method in microblaster with nozzle \varnothing 1.2mm

AP-150 Al₂O₃ GRAINSIZE 150 - 95MY

Medium grain for the preparation of the retention wall for resin and ceramics. Disposable abrasive method in microblaster with nozzle \varnothing 0.8mm

AP-180 Al₂O₃ GRAINSIZE 180 - 80MY

Fine grain for the preparation of the retention wall for ceramics. Disposable abrasive method in microblaster with nozzle \varnothing 0.8mm

AP-270 Al₂O₃ GRAINSIZE 270 - 50MY

Very fine grain for accurate operations. Disposable abrasive method in microblaster with nozzle \varnothing 0.5mm



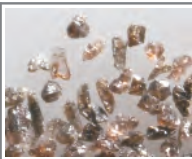


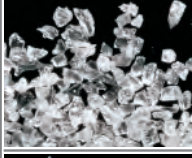


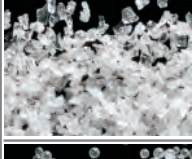


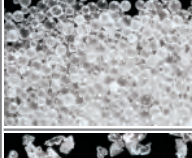
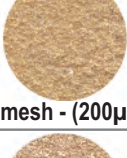
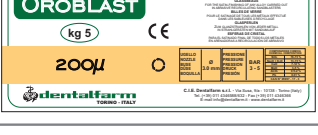
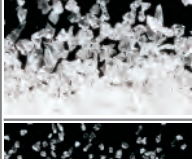


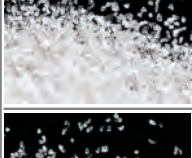





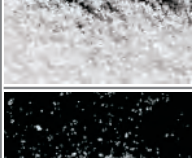


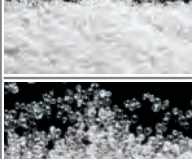


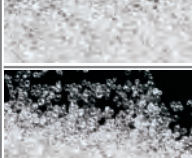


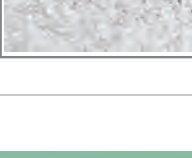
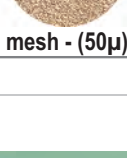

AP-090 MICROBLAST 90MY

Medium glass-beads for the satin-finishing of any alloy. Disposable abrasive method in microblaster with nozzle \varnothing 0.8mm or \varnothing 1.2mm

AP-055 MICROFINE 50MY

Fine glass-beads for the satin-finishing of any alloy. Disposable abrasive method in microblaster with nozzle \varnothing 0.5mm or \varnothing 0.8mm

ABRASIVE MEDIA TECHNICAL SPECIFICATIONS

Grainsize	Surface	Operating parameters	Physical properties	Labelling
	 mesh 36 (500µ)	Suitable nozzle 3,5 mm Pressure 4÷5 BAR Sandblaster - re-circulating	Red-brown, very hard, resistant and aggressive corundum. Specifically suited when removing investment and casting oxidations from chrome-cobalt and steel frameworks.	
	 mesh 46 (350µ)	Suitable nozzle 3,0 mm Pressure 3÷4 BAR Sandblaster - re-circulating	White, high-purity corundum, particularly resistant and aggressive. Ideally suited when removing the investment or casting oxidations from non-precious alloy frameworks.	
	 mesh 60 (250µ)	Suitable nozzle 3,0 mm Pressure 3÷4 BAR Sandblaster - re-circulating	White, high-purity corundum, particularly resistant and aggressive. Ideally suited when removing investment and casting oxidations from precious alloy frameworks.	
	 mesh - (200µ)	Suitable nozzle 3,0 mm Pressure 3÷5 BAR Sandblaster - re-circulating	Very hard, medium-coarse glassbeads. No abrasive action, by smoothing rough points, the surface results more compact. Suitable to polishing of any metal.	
	 mesh 60 (250µ)	Suitable nozzle 2,0 mm Metering nozzle 1.7mm Pressure 4 BAR Microblaster - disposable	Highly pure, very hard aluminium oxide. Ideally suited for the preparation of the retention wall for those composites necessitating deeper clasp anchorage. Excellent mechanical pickling action.	
	 mesh 120 (105µ)	Suitable nozzle 1,2 mm Metering Nozzle 1.2mm Pressure 3÷5 BAR Microblaster - disposable	Very hard, extremely pure aluminium oxide. Ideally suited for the preparation of the retention wall for those composites necessitating intermediate clasp anchorage. Excellent mechanical pickling action.	
	 mesh 150 (95µ)	Suitable nozzle 0,8 mm Metering nozzle 1.2mm Pressure 3÷5 BAR Microblaster - disposable	Very hard, extremely pure aluminium oxide. Ideally suited for the preparation of the retention wall for resin and ceramics, average deep retentions. Excellent mechanic pickling action.	
	 mesh 180 (80µ)	Suitable nozzle 0,8 mm Metering nozzle 1.2mm Pressure 3÷5 BAR Microblaster - disposable	Very hard, extremely pure aluminium oxide. Ideally suited for the preparation of the retention wall for ceramics, thicker but less incisive result. Excellent mechanic pickling action.	
	 mesh 270 (50µ)	Suitable nozzle 0,5 mm Metering nozzle 1.0mm Pressure 3÷5 BAR Microblaster - disposable	Very hard, extremely pure aluminium oxide. Ideally suited for the preparation of the retention wall for ceramics, thicker but less incisive result. Excellent mechanic pickling action.	
	 mesh - (90µ)	Suitable nozzle 0,8 mm Metering nozzle 1.2mm Pressure 3÷4 BAR Microblaster - disposable	Very hard, medium-fine glassbeads. No abrasive action, by smoothing rough points, the surface results more compact. Suitable to polishing of any metal.	
	 mesh - (50µ)	Suitable nozzle 0,5 mm Metering nozzle 1.0mm Pressure 3÷4 BAR Microblaster - disposable	Fine and very fine, quite hard glassbeads. By smoothing rough points, the surface results more compact. Suitable to polishing of any metal.	

VIBRATORS FOR PLASTERS AND INVESTMENTS

Dentalarm vibrator range is the most comprehensive on the market. All EXPORT models are powered by an electronic circuit to absorb voltage peaks. The vibration is perfectly vertical without dispersion also thanks to the action of 4 or 8 shock-absorbers. Excellent stability is assured by special sucker feet. The rubber plate cover can be easily removed for cleaning. Dentalarm uses to fit anti-jamming filters to ensure full compliance with electro-magnetic regulations.



A0120 VIT

Compact, two-speed vibrator, specific for plaster. Ideal for use in dental clinic for immediate impression melting. Round plate Ø160mm.



A0125 MINIEXPORT

Speed electronic adjustment in vibrating intensity for plaster and investments. Rectangular plate with carrying capacity for 2 big casting rings. Most ideally suited for small-sized laboratories.



A0126 MIDEEXPORT

Speed electronic adjustment in vibrating intensity for plaster and investments. Square plate with carrying capacity for 4 big casting rings. Designed for average laboratories.



A0127 EXPORT 2

Speed electronic adjustment in vibrating intensity for plaster and investments. Rectangular plate with carrying capacity for 6 big casting rings. Ideally suited for big laboratories.



A0129 MAXIEXPORT

Speed electronic adjustment in vibrating intensity for plaster and investments. Rectangular plate with carrying capacity for 18 big casting rings. Specific for larger chrome laboratories.

Item Code	Description	Dimensions L x W x H	Weight kg	Absorption	Capacity 9x chrome rings	Vibrating intensity
A0120	VIT	diameter 140	2,0	110 W	1	2 speed
A0125	MINIEXPORT	240 x 150 x 105	5,5	165 W	2	Electronic regulation
A0126	MIDEEXPORT	235 x 235 x 105	7,0	165 W	4	Electronic regulation
A0127	EXPORT 2	365 x 265 x 110	10,5	165 W	6	Electronic regulation
A0129	MAXIEXPORT	600 x 400 x 130	24,7	500 W	18	Electronic regulation

VACUUM MIXERS

Compact in size, powerful and reliable, Dentalfarm vacuum mixers are ideally suited to blend in plaster, investment materials, alginate and silicon compounds (the optional 200cc mixing bowl is particularly suited for these compounds). Electronic built-in timer with buzzer at the end of cycle. A 500cc mixing bowl is supplied as standard with both units. Upon request, a selection of additional mixing bowls is available. The powerful, oil-less vacuum pump assures consistent results in degassing even with the thickest compounds. The new bench stand has been designed to incorporate a vibrating table.



A5505 MIX-R PROGRAM

Vacuum mixer featuring 18 stored programs allowing to ideally mix plasters, investment and alginate compounds. Possibility to carry out customized cycles providing for adjustable rotating speed, slow start-up and reverse rotation. Built-in vacuum pump, dual filter, vacuum release valve located on the suction inlet, silent and powerful gear motor.

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



A5504 MIX

Wall-mounted vacuum mixer providing for accurate mixing of plaster, investment and alginate compounds. Preset speed and fixed paddle 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 500cc mixing bowl.

5504001 BENCH STAND

The brand-new bench stand allows for both vacuum mixers to be installed at the ideal height for accurate and constant vacuum mixing with no need to stiff fix the unit to the wall.

The bench stand has been expressly studied to accommodate our rectangular vibrator MINIEXPORT, thus availing of a complete working centre for the investment stage (mixing operation and further melting with no presence of air bubbles thanks to the vibrating action).



MIXING BOWLS (from left to right)

- 5501002 200cc MIXING BOWL
- 5501003 200cc MIXING BOWL special for ALGINATES
- 5501004 500cc MIXING BOWL
- 5501005 1000cc MIXING BOWL
- 5501006 2000cc MIXING BOWL

Item Code	Description	Dimensions		Absorption	Motor speed	Rotation	Vacuum pressure
		L x W x H	Weight kg				
A5504	MIX	190x220x240	8,3	140 W	380 rpm	clockwise	0,85 BAR
A5505	MIX-R Program	190x220x240	8,4	140 W	0 ÷ 380 rpm	reversible	0,85 BAR
5504001	Bench stand	250x210x410	2,8	-	-	-	-

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. The models differ only in type or quantity of arms fitted in, which can be further incorporated.



A3005 SURVEYOR TYPE 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.



A3006 SURVEYOR TYPE B

Precision mechanical instrument fitted with one double-joint arm with pantograph movement, ideal for the model planning stage. Model-holder offering variable plate inclination, complete set of accessories part of standard supply.



A3007 SURVEYOR TYPE C

Precision mechanical instrument fitted with both rigid and articulated arms, as the perfect solution for any working procedure. Model-holder offering variable plate inclination, complete set of accessories part of standard supply.



A3501 DRILLING KIT

Set of elements to turn any manual Dentalfarm surveyor (even if obsolete) into a small milling unit. After updating, your old manual surveyor is converted into a milling unit offering the well-known features described in the next page.

Item Code	Description	Dimensions L x W x H	Weight kg	Absorption	Number of arms
A3005	SURVEYOR A	190x210x310	3,7	-	1 rigid
A3006	SURVEYOR B	190x210x310	4,0	-	1 double-joint
A3007	SURVEYOR C	190x210x310	4,3	-	both
A3501	DRILLING KIT	190x270x330	3,0	-	1 combined

ISO MILLING UNITS

DENTURES PLANNING 3

POSITIONING OF ATTACHMENTS 4

FINISHING - DRILLING 11

The Dentalfarm ISO range offers, thanks to the high precision mechanics, consistently superior performance combined to simple, reliable and smart solutions. Our ISO milling units incorporate the same features distinctive of any manual surveyor and in addition they fit a special arm with integrated pliers allowing to fix in place any micromotor, turbine or hot spatula thus converting your basic surveyor into a precise milling unit. Standard supply includes the model-holder with adjustable inclination of the survey plate, complete set of accessories for the planning stage and specific accessories for restrained movements on the axis during the drilling function.



A3503C ISO COLOR TOP

Superior mechanical instrument fitted with a special double-joint arm with pantograph movement for highest versatility when carrying out the most conventional operations. Ideal convenience for combined use with any micromotor on the market for drilling operations. Sharply precise lighting system and air blower cooling down hot surfaces.

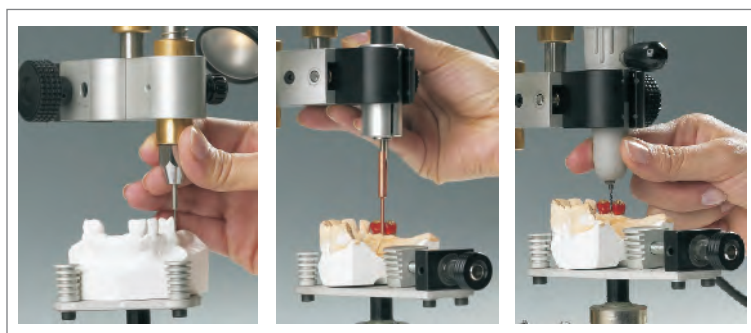
Model-holder offering variable plate inclination, complete set of accessories part of standard supply.

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.



A3502 ISO

Basic version with no lighting, blower and arm lifting feature.



Manual surveyor

Wax trimming

Drilling operation on wax or metal

Item Code	Description	Dimensions L x W x H	Weight kg	Absorption	Number of arms
A3503C	ISO Colour Top	200x340x330	7,0	6W	1 combined
A3502	ISO basic version	190x270x330	5,2	-	1 combined

WET MODEL TRIMMERS

MT-Wet is a model trimmer expressly designed to carry out proper smoothing of the surface at medium/low speed thus reducing the possibility for the abrasive disc to gum. The disc is made of reinforced carborundum with dual coating and bakelite bond according to FEPA regulations and can be alternatively replaced with a diamond disc featuring higher cutting power and longer lifetime. Safety is assured by the adoption of an electromagnetic switch which prevents the unit from hazardous start-up after a lack of tension. The whole front part has been tilted by ten degrees to improve visibility and offers more comfortable working position.



A5103 MT WET

Wet model trimmer fitted with corundum disc, reinforced with bakelite bond.

750W, 1500 rpm motor.

Solenoid valve and water adjusting valve, assuring water sprinkling all over the disc surface. Sturdy plastic front shell which can be easily removed for cleaning purposes.

Working plane featuring adjustable inclination, with engraved guidelines.



A5103D MT WET with DIAMOND-COATED DISC

Model equipped with diamond-coated disc assuring a longer lifetime than conventional bakelite discs.

The steady water flow is washing off the disc and contributes to the accurate smoothing of the model surface.

SAFETY

The incorporated safety switch prevents the unit from hazardous 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.



EASY CLEANING OPERATION

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

DRY MODEL TRIMMERS

MT-Dry is a dry model trimmer working at average-high speed (2.800 rpm) as the ideal revolution condition required when using diamond-coated discs for industrial purposes. It is of utmost importance for the models to be accurately dried in order to prevent the disc surface from gumming. An electromagnetic switch excludes any accidental hazardous start-up after a lack of tension. The front casing has been inclined by ten degrees to assure better performance and improved visibility over the working area. In order to grant smooth operation, MT-Dry has to be connected to a professional extraction system fitted with adequate filters assuring the correct filtration of the huge volume of dust particles originated during machining.

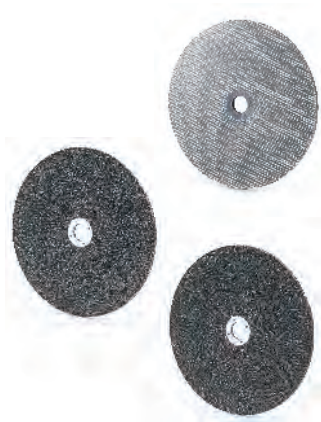


A5104 MT DRY

Dry model trimmer fitted with diamond-coated disc.
 750W motor working at 2800 rpm speed.
 Built-in socket for the automatic operation of the extraction system.
 Sturdy plastic front shell which can be easily removed for cleaning purposes.
 Working plane featuring adjustable inclination with engraved guidelines.

EASE OF USE

MT DRY is fitted with built-in plug providing for the extraction system to start automatically.



5101002 DIAMOND-COATED DISC

5101001 BAKELITE DISC grainsize 36 (coarse)

5101001F BAKELITE DISC grainsize 46 (finer)

Item Code	Description	Dimensions L x W x H	Weight kg	Absorption	Motor speed	Disc diameter
A5103	MT Wet	320 x 480 x 360	17,2	750 W	1400 rpm	254 mm - hole 25,4
A5103D	MT Wet with diamond disc	320 x 480 x 360	17,2	750 W	1400 rpm	254 mm - hole 25,4
A5104D	MT Dry	320 x 480 x 360	16,5	750 W	2800 rpm	254 mm - hole 25,4

COMPOSITE LIGHT-CURING FURNACES

The Photopol range of light-curing furnaces consists of three models for efficient composite handling. The basic housing is common but each version has been studied to meet with individual requirements. Photopol Light is the basic model, featuring UV light sources and possibility for treatment under protected environment. Photopol Plus is additionally fitted with infrared heating system. Photopol Vacuum offers the possibility for vacuum treatment, with no oxygen. Utmost attention has been paid to constructive details: the heating chamber is fully coated with highly reflecting material with no dispersion of ultraviolet rays, the support plate is steadily rotating and has been assembled on a practical sliding tray to facilitate positioning of the bell-jar.



A5406 PHOTOPOL LIGHT

Furnace for light-curing procedures of light-sensitive composites under protected atmosphere.

Main features:

- Four UV cold lights for plate treatment
- Two UV powerful spotlights assuring the fast hardening of denture parts
- Possibility of combined action of two UV light sources
- Wide application of material nanometric spectrum
- The support plate is steadily rotating thus restricting blind areas on the treated objects
- Electronics with sequence functions allowing to carry out automatically the distinct working stages
- Possibility to install the vacuum bell-jar (code A5406B) and combine it to the outer vacuum pump MINIVAC (code A5405)



A5406H PHOTOPOL PLUS

Furnace for light-curing procedures of light-sensitive composites under protected atmosphere and for the execution of thermic infrared treatments.

Main features:

- Four UV cold lights for plate treatment
- Two UV powerful spotlights assuring the fast hardening of denture parts
- Possibility of combined action of two UV light sources
- Wide application of material nanometric spectrum
- Thermo regulated infrared lamp to carry out heating and drying procedures
- The support plate is steadily rotating thus restricting blind areas on the treated objects
- Electronics with sequence functions allowing to carry out automatically the distinct working stages
- Possibility to install the vacuum bell-jar (code A5406B) and combine it to the outer vacuum pump MINIVAC (code A5405)



A5406B BELL-JAR KIT

A5405 MINIVAC

Accessories available upon request for both Photopol Light and Plus, specifically developed for treatments under vacuum.

COMPOSITE LIGHT-CURING FURNACES



A5406V PHOTOPOL VACUUM

Light-curing furnace for the polymerisation of light-sensitive composites, even under vacuum conditions.

Main features:

- Four UV cold lights for plate treatment
- Two UV powerful spotlights assuring the fast hardening of denture parts
- Possibility of combined action of two UV light sources
- Wide application of material nanometric spectrum
- Option for treatment in inert environment or under protected atmosphere
- Vacuum pump and bell-jar standard supplied with
- The support plate is steadily rotating thus restricting blind areas on the treated objects (even when the bell-jar is fitted)
- Electronics with sequence functions allowing to carry out automatically the distinct working stages.

1 IMPRESSION DETECTION AND TREATMENT

2 MODEL BASE PREPARATION

LIGHT-CURING BOX FOR RESIN PLATES



A5412 LC-TRAY LED

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

Main features:

- New UV LED cold light lamps for plate treatment
- Spectrum ranging from 385 to 450 nanometers
- Inner walls with high reflecting power
- Practical sliding drawer where parts can be placed in, fitted with blue protection shield
- Electronic timer providing for cycles of 3 - 4 - 5 or 6 minutes

LIGHT-CURING RESIN IN PLATES

Plates used to shape individual or partial impression trays.

PHT PHOTO-TRAY NATURAL Pack of 50 transparent plates

PHTR PHOTO-TRAY PINK Pack of 50 pink plates

PHTB PHOTO-TRAY BLUE Pack of 50 blue plates



Item Code	Description	Dimensions L x W x H	Weight kg	Absorption	UV lamps	IR lamps
A5406	PHOTOPOL Light - UV	235 x 320 x 320	8,3	250 W	4 + 2	-
A5406H	PHOTOPOL Plus - UV + IR	235 x 320 x 320	8,4	350 W	4 + 2	1
A5406V	PHOTOPOL Vacuum - UV	235 x 320 x 320	10,0	300 W	4 + 2	-
A5405	MINIVAC vacuum pump	170 x 180 x 130	2,9	50 W	=	=
A5412	LC-TRAY LED	180 x 180 x 80	0,7	12 W	18 LED	=

BRUSH AND BRUSHLESS MICROMOTORS

FINISHING 11
FINAL POLISHING 14



A5051 HP50T Brushless

The most valuable micromotor in our range, intended for those Customers who need to work with a powerful and handy high-speed brushless handpiece assuring utmost performance. Functions: speed, manual control or operation over foot or knee-control; direction of rotation; autocruise. The easy-to-read display will report the actual speed or any error message. The overall high quality level, the quite operation, the powerful induction motor, the compact size of the handpiece and its lightweight design will contribute to consider this reliable product an excellent purchasing investment for your daily work. It accomodates burs with shaft Ø2.35mm (Ø3.0 upon request)



A5035P HP45 Multifunction

Extremely sturdy induction motor, ideally suited for all working procedures thanks to the possibility to reach 45.000 rpm assuring an excellent torque. The high quality, the sturdy housing, the compact handpiece design for quiet operation make the use of this powerful micromotor the ideal instrument for your daily work. The power and control unit is equipped with an overload limit system to protect the motor in case of extended operation and excessive stress (manual re-start). It accomodates burs with shaft Ø2.35mm (Ø3.0 upon request)



A5030 HP35 On-Off

Brush model incorporating all the necessary features to suit with the working requirements of the modern dental laboratory and of the dental practice. It is our most compact and basic model, identified as the most economically priced unit in our range meeting with any price expectation. The control unit incorporates a clear electronics providing information on operating functions; rotation speed is restricted to 35.000 rpm with slightly lower torque. The foot-control is operated as on/off switch whereas speed is controlled over a potentiometer, even during operation of the motor. It accomodates burs with shaft Ø2.35mm (Ø3.0 upon request)

AIR TURBINE WITH WATER SPRAY

FINISHING 11
FINAL POLISHING 14



A5090 ZIRKO-SURFIN 300k

High speed turbine best suited for all finishing operations on aesthetic products in ceramics, lithium silicate or zirconia. The peculiar feature to work under a steady jet of water spraying on the surface will prevent the bur from overheating whilst drastically reducing dust amount. All functions are controlled over a foot-switch and the handpiece is quite light and compact in size.
Air pressure: 3-5 BAR
Consumption: 30-40l/min
Water storage capacity: 170ml
Accommodating burs with shaft Ø1.6mm

Item Code	Description	Dimensions L x W x H mm	Weight kg control box	Handpiece L - Ø	Weight gr handpiece	Absorption	Torque Ncm	Motor speed rpm
A5051	HP50T Brushless	95 x 270 x 230	2,9	159 - 27	230	160 W	6,8	1.000÷50.000
A5035P	HP45 Multifunction	120 x 150 x 95	1,9	155 - 29	208	120 W	3,3	1.000÷45.000
A5030	HP35 On - Off	120 x 160 x 85	1,8	152 - 29	208	70 W	2,7	1.000÷35.000
A5090	ZIRKO-SURFIN 300k	230 x 170 x 210	3,2	142 - 22	105	-	-	300.000

STEAM CLEANERS

Our newly developed range of steam cleaners is distinguished thanks to some peculiar features. The steam boiler is built in stainless steel and it has a storage capacity of 4.9 liters (considering that part of the total volume is occupied by water and the remaining space is exploited to create an ideal steam layer). The heating resistance is not plunged in water thus avoiding any possible contamination due to the presence of limestone, for this very reason you will be allowed to use just your tap water. The highest working pressure is of 6 BAR, water temperature 155°C. Both models are fitted with special cap with built-in safety valve, the steam flow can be adjusted on the versatile spraying gun. The specific design of our steam cleaners allows for the use of steam, only.



A2103M HYDROVAP SG-3.5M

Model providing for manual filling, visual level control, fitted with special system to avoid any refilling in excess thus leaving enough empty space for the steam to accumulate. The water capacity of 3.5 liters water allows a quite long operating time. Time required for the steam supply when switching on is lower than 20 minutes.



A2103A HYDROVAP SG-3.5A

Model allowing for partial automatic refilling from outer tank. This solution avoids to connect the unit directly to the water network. The machine incorporates a dual level control checking both the water level inside the feeding tank and the water actually stored in the boiler. The refilling procedure is carried out in a distinct way: in order to avoid refilling a huge quantity of cold water which would inevitably cause the temperature and the inner pressure to fall down, the refilling operation will take place quite frequently and in small amount thus being granted of an absolute longer and steady operating efficiency. Waiting time required to reach the ideal temperature is quite restricted, less than 15 minutes.

The built-in pump will automatically pick up the necessary quantity of water from the outer tank to preserve a steady level. An electronic control system will warn in case of insufficient water amount without endangering your current work.



Item Code	Description
A2103M	HYDROVAP SG-3.5M - manual
A2103A	HYDROVAP SG-3.5A - automatic

Dimensions L x W x H	Weight kg	Absorption	Temperature	Pressure
330x350x350h	10,5	5.8Amp - 1500 W	155°C	6 BAR
330x350x350h	13,5	5.8Amp - 1500 W	155°C	6 BAR

MOTORIZED CENTRIFUGE

Machine suitable for the injection by centrifugation of all torch-melted alloys. Reduced overall dimensions, ergonomic design, practical in size, stable and quiet. The arm features three exclusive mechanisms by Dentalfarm: no intermediate articulation (rigid arm), innovative casting-ring truing system and balance arrangement at preset positions. Built-in safety automatic devices, adjustable rotating time, breakaway acceleration controlled by the electronics. The machine can be fixed to a proper bench or to its metallic bench stand or even stored inside the casting room furniture.



A4602 ROTOJET

The table-top centrifuge most compact in size on the market, easy to use and featuring extraordinary dimensions and stability during operation, suitable for any torch-melted alloy. The use of a DC permanent magnet motor combined to a 90 degrees universal joint allowed us to develop the exclusive rigid arm with no central joint which ensures excellent stability and top performances into a smart and space-saving design. Stainless steel coated chamber. Acceleration and speed are electronically controlled. Starting is permitted once the lid has been closed and opening is allowed only as the arm stops rotating.



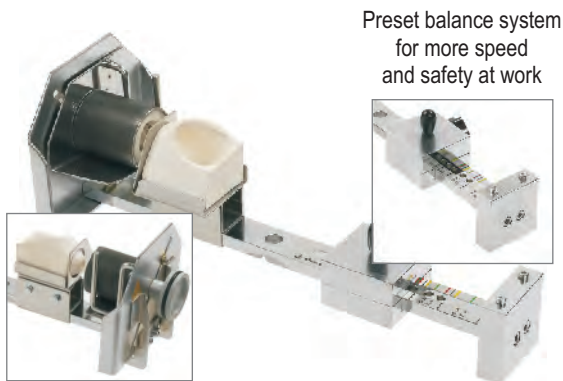
STAINLESS STEEL CHAMBER

Another prominent feature of Rotojet is the centrifugal chamber internally coated in stainless steel, resistant to the torch flame and easy to clean.



A4602B BENCH STAND

Functional metallic bench stand to elevate Rotojet to the most correct height for a most comfortable operation.



Preset balance system for more speed and safety at work

45 degrees inclined sliding rail allowing to use one only bracket for all rings

BENEFITS OF THE CENTRIFUGAL ARM

The centrifugal arm exclusive by Dentalfarm offers unique features. The whole arm is rigid and integral to the driving shaft thus resulting in a perfect injection of the metal thanks to the electronically regulated acceleration, too. Balance is assured through pre-determined fixed positions, clearly indicated on the arm labelling, splitted in sections according to the technique and to the casting ring to be used. The melting cone truing operation, despite the size of casting ring in use, is by far facilitated by the sliding cradle. Exceptional safety, practical use and stability of the structure are thus assured.

Item Code	Description	Dimensions L x W x H	Dimensions with stand	Weight kg	Weight kg with stand	Absorption
A4602	ROTOJET	510x470x335	-	40,0	-	250W
A4602B	STAND for ROTOJET	-	510x470x815	-	46,7	-

MELTING 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

4610011 CASTING LANCE for PRECIOUS ALLOYS

4610020 SHORT SOLDERING LANCE

4610021 SET OF TIPS AND NEEDLES FOR SOLDERING

for non-precious alloys



for precious alloys

for soldering



for microsoldering



A4600 CYLINDER HOLDER TROLLEY

Set of tools for oxy-propane casting, consisting of: Cylinder holder trolley with wheels, 5 liter cylinder for oxygen, 3 kg cylinder for liquid propane gas, pressure reducers, pressure gauge, safety valves and approved pipes.

INDUCTION CASTING MACHINES

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.



A4507 EC-1

Medium frequency electronic induction casting machine. Suitable to cast any dental alloy, except for titanium and pure platinum.

Main features:

Control of the rated power - allowing for quick and powerful performance on those alloys which require a high melting temperature and tend to oxidize and for gentle and slow handling of precious alloys thus preventing them to sublime.

Extremely easy to use thanks to the logical and incommutable scanning of operating functions.

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

Display repeatedly showing the essential parameters of the working cycle or the precise description of any anomalous condition.

Visual check of casting process through a protection screen.

Stainless steel centrifugation chamber for easy cleaning operation.

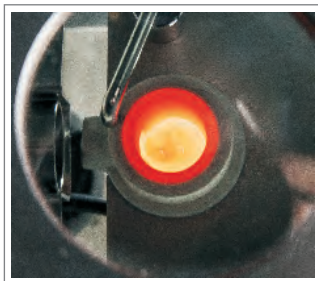
Injection achieved through centrifugation - granting the highest molecular compactness and superior results with any alloy.

Acceleration, speed and rotating time parameters can be freely preset.

Built-in water cooling system controlled over both thermostat and pressure switch.

Restricted energy consumption - no preferential electric line required.

Possibility of connection to the inert gas bottle for increased protection throughout the melting area.



A4507I EC-1 INFRARED

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.

VACUUM INDUCTION CASTING MACHINES

The ability to cast under vacuum will prevent the oxygen from getting in contact with the melting metals and avoid any possible contamination and oxydation. At same time the amount of gas accumulated in the mould ducts is eliminated and the back pressure susceptible to originate any lacking is fully avoided. In addition, the facility to inject under protected vacuum atmosphere will contribute to achieve a better molecular compactness.



A4508 EC-2 VACUUM INFRARED

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.



The mobile trolley aligns and holds casting rings of any size



The pre-arranged balancing system will make your work even easier

THE NEW CENTRIFUGATION ARM

Pursuing our objective to make smoother the everyday working operations, a new arm offering substantial advancements has been designed. 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 and you will only have to shift the trolley aligned with the crucibles spout.

Item Code	Description	Dimensions L x W x H	Weight kg	Absorption	Temperature control	Connection to argon gas
A4507	EC-1	500x700x1060	95,0	2.860 W	NO	YES
A4507I	EC-1 INFRARED	500x700x1060	98,0	2.860 W	YES	YES
A4508	EC-2 VACUUM INFRARED	500x700x1060	105,0	2.860 W	YES	YES

BUNSEN BURNERS



A4701 BUNSEN BURNER with THERMOCOUPLE for NATURAL GAS

A4702 BUNSEN BURNER with THERMOCOUPLE for L.P.G.

Safety bunsen burners with thermocouple valve which provides for the immediate interruption of the gas flow should the flame accidentally extinguish. The two versions simply differ on the specific fitting according to the selected combustible.

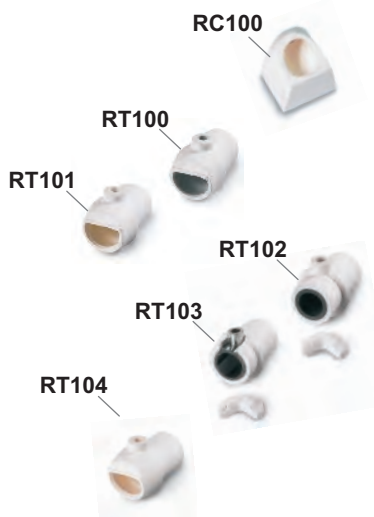


A4703 BUNSEN BURNER for NATURAL GAS

A4704 BUNSEN BURNER for L.P.G.

Traditional bunsen burners fitted with vertical spout. The two versions simply differ on the specific fitting according to the selected combustible.

CRUCIBLES



RC100 Pack of 6 ceramic crucibles suitable for any alloy, borax vitrification is recommended before use. For table-top centrifuge.

The crucibles for casting machines are available with shorter spout (E suffix for the machines fitted with mobile trolley) and longer spout (for those machines with fix support)

RT100(E) Pack of 6 ceramic crucibles with reinforced silicon nitride layer for non-precious alloys, borax vitrification recommended.

RT101(E) Pack of 6 ceramic crucibles for any alloy, borax vitrification recommended.

RT102(E) Pack of 6 ceramic graphite coated crucibles for precious alloys (except for palladium), borax vitrification recommended.

RT103 Sintered graphite crucible. Single package. The most resistant to very high temperatures, no porosity at the inside. No superficial preparation needed.

RT104(E) Pack of 6 ceramic and hardened zirconia crucibles for any alloy, no vitrification needed.

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 (Ø30 x 55mm h)

ISOCIL3X6 Pack of 6 casting rings 3x (Ø50 x 55mm h)

ISOCIL6X6 Pack of 6 casting rings 6x (Ø63.5 x 55mm h)

ISOCIL9X6 Pack of 6 casting rings 9x (Ø80 x 55mm h)



SILICONE CASTING RINGS AND REFRACTORY PISTONS FOR PRESSED

CERAMICS (the piston diameter must be specified, corresponding to the one of the ceramic pellet in use)

ISOCILSP Small silicone casting ring

ISOCILSM Medium silicone casting ring

ISOPISTON Pack à 6 refractory pistons for the injection of liquified ceramics

INDUCTION BURNER



A6020 E-BUNSEN

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.

The waxing spatula will heat up within few seconds. 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 LED indicator placed under the heating chamber.

WAXING UNIT



A6001 WAXING UNIT HOT 1

Hot waxing units designed for free hand modelling and orthogonal projection on surveyors and ISO milling units.

Equipped with microprocessor temperature setting system with thermocouple sensor, 3-digit display stating both the actual temperature on the tip and the preset working temperature within a regulation field ranging from 50° to 200°C. Practical handpiece providing for quick clutch of the tools, standard supplied with medium probe. Convenient support to accommodate the complete range of modelling tools fitted with a functional replacement system of the hot tips.

6001001 set of modelling tools

- 1 - 6001002 Small curved conical probe
- 2 - 6001004 Large curved conical probe
- 3 - 6001005 Knife blade
- 4 - 6001006 Straight spearhead blade
- 5 - 6001007 Curved spearhead blade
- 6 - 6001008 Spoon

6001009 set of milling tools

- A - 6001010 Cylinder probe
- B - 6001011 2° conical probe
- C - 6001012 4° conical probe
- D - 6001013 6° conical probe

Item Code	Description	Dimensions L x W x H	Weight kg	Absorption	Temperature control range
A6020	E-BUNSEN	70 x 110 x 60	0,7	9 W	-
A6001	HOT 1	155 x 120 x 70	0.8	20 W	50° ± 200°C

WAXING UNITS

Hot waxing units designed for free hand modelling and orthogonal projection on surveyors and ISO milling units. Equipped with microprocessor temperature setting system with thermocouple sensor, 3-digit display stating both the actual temperature on the tip and the preset working temperature within a regulation field ranging from 50° to 200°C. Practical handpiece providing for quick clutch of the tools. Convenient support to accommodate the complete range of modelling tools, with the addition of a useful rear drawer. Major benefits are represented by the ability to achieve the most correct temperature for each wax, the drastic reduction of wax fumes and the absence of any open flame.



A6003 HOT 1 PLUS

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).



A6003D HOT 2 PLUS

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.



A6003T HOT 2 TOUCH

Tor 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.

6003001 set of modelling tools

- 1 - 6003002 Small curved conical probe
 - 2 - 6003004 Medium curved conical probe
 - 3 - 6003005 Large curved conical probe
 - 4 - 6003006 Straight spearhead blade
 - 5 - 6003007 Curved spearhead blade
 - 6 - 6003008 Spoon
- not included in the standard set:
- 7 - 6003017 Knife
 - 8 - 6003018 Large spoon with blade



6003009 set of milling tools

- A - 6001010 Cylinder probe
- B - 6001011 2° conical probe
- C - 6001012 4° conical probe
- D - 6001013 6° conical probe



Item Code	Description	Dimensions L x W x H	Weight kg	Absorption	Temperature control range
A6003	HOT 1 Plus	70 x 110 x 60	0,7	9 W	50° ÷ 200°C
A6003D	HOT 2 Plus	155 x 120 x 70	0,8	20 W	50° ÷ 200°C
A6003T	HOT 2 Touch	180 x 110 x 60	1,0	20 W	50° ÷ 200°C

WAX HEATERS

Thanks to this range of small appliances, the wax modelling procedure has been substantially facilitated. The wax dipping units with electronic control assure that the wax is steadily melted at the most suitable temperature to limit shrinkage. Indeed the use of traditional bunsen burners with open flame will cause the wax to undergo sudden changes in temperature which could be detrimental to the quality of the material. The option to carry out modelling with waxing spatula and electric wax dipping units will assure excellent results.



A6010 HOTWAX

Electric wax heater to achieve the ideal temperature for the wax melting. 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.



A6011 HOTWAX

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.



A6012 HOTWAX T

Three-pot wax heater with separate temperature controls. Ideally suited both for the wax immersion technique and to preheat wax having different density. The electronic control unit can be preset individually on each pot assuring a quick and controlled wax melting.

The lid protects the unit from polluting agents when not in use.

Item Code	Description	Dimensions L x W x H	Weight kg	Absorption	Temperature control range
A6010	HOTWAX	110 x 140 x 70	0,44	60 W	50° - 120 °C
A6011	HOTWAX - 4	200 x 110 x 70	0,69	120 W	50° - 120 °C
A6012	HOTWAX T	200 x 145 x 75	1,10	200 W	50° - 120 °C

PIN-HOLE DRILLING UNIT



Standard supplied bur: 5301001 conic-shape, Zeiser (Z) type. Additional bur on request: 5301002 with dual diameter, Pindex (P) type

A5302 ED-LASER INOX

Precision laser pin-hole drilling unit engineered for accurate model drilling operation according to the removable stump technique. The unit, now implemented on a stainless-steel housing, is very sturdy and offers excellent stability. The wide working plate for utmost working convenience and the exclusive vertical motion system assure the highest precision. Hole depth can be easily adjusted and the wide stroke allows drilling on models fixed on plastic bases, too. 150W Motor at 2800 rpm. Extension of the vertical movement: up to 20mm. Bur pliers with 3mm shaft.

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



STUMP SEPARATING UNIT



A5601 CUT

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. 100W power and 2800 rpm speed.

Accessories: 5601004 cutting disc with smooth blade (A), 5601005 cutting disc with indent crown (B), model-holder for Tricodent (C) or Accu-Trac (D) technique.



Item Code	Description	Dimensions L x W x H	Weight kg	Absorption	Motor speed	Disc or tool diameter
A5302	ED-LASER INOX	230 x 230 x 410	13,8	600 W	1.400 rpm	3 mm
A5601	CUT	230 x 500 x 360	9,3	100 W	2.800 rpm	80 x 0,25

POLISHING UNIT

FINISHING 11
FINAL POLISHING 14



A5201 SHINE

Polishing unit with 2-speed regulation, 1400 rpm for coarse tools and 2800 rpm for polishing effect. Possibility to fit in wheels, brushes or felts on the conic-shaped tips. 500W motor

A5202 SPLASH GUARDS

Plastic splash guards, very easy to clean, used for collection of any residues and polishing pastes - granting the best protection of the surrounding surfaces against any grinding debris.

POLISHING MOTOR WITH EXTRACTOR

FINISHING 11
FINAL POLISHING 14
DUST EXTRACTION 17



A5250 SHINING BOX

Two-speed polishing motor incorporated in a cabinet fully equipped with splash-guards, powerful suction, lighting, practical storage compartment and drawer to accommodate the accessories.

Two-speed motor: 1400 rpm for cutting tools and 2800 rpm for polishing instruments.

Grindstones, brushes or fabric discs can be inserted on the conic tip.

Noiseless suction system, featuring a rate of 500mc/h and fitted with easy-to-replace filtering elements.

MODEL FINISHING UNIT

MODEL PREPARATION 2



A5610 MF-400

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. 380W motor at 2800 rpm speed.

Standard supply includes the 5610002 cylindrical cutter (G); 5601003 cone-shaped cutter (H) or 5601004 reverse cone-shaped cutter (I) are also available as optional.

Item Code	Description	Dimensions L x W x H	Dimensions with splash guards	Weight kg	Absorption	Motor speed
A5201	SHINE	420 x 205 x 250	600 x 290 x 280	9,0	500 W	1.400 / 2.800 rpm
A5250	SHINING BOX	750 x 500 x 550	=	56,0	650 W	1.400 / 2.800 rpm
A5610	MF-400	210 x 280 x 310	=	12,0	380 W	2.800 rpm

MUFFLE POLYMERIZING UNIT

**A2502 THERMOPOL**

Muffle polymerizing unit 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.

Tanks are available in 2 different sizes:

Small to accommodate 6 muffles and **Large** for 12pcs. (complete with clamps)

HYDRAULIC PRESS

PRESSING 7

**A5701 PRESS**

The peculiar pressing lock will allow to accommodate up to three flasks simultaneously.

Maximum pressure 400BAR equivalent to kg 15000.

The oleodynamic circuit is absolutely leak-proof and no maintenance is required.

CLAMPS AND FLASKS

PRESSING 7

**A5703 ALUMINIUM CLAMP FOR ONE FLASK****A5702 ALUMINIUM CLAMP FOR TWO FLASKS****A5704 STAINLESS STEEL CLAMP FOR PRESS (TWO FLASKS)****A5705 4-ELEMENT MODULAR FLASK****A5707 SELF-CLAMPING FLASK**

Item Code	Description	Dimensions L x W x H	Weight kg	Absorption	Number of flasks	Temperature
A2502S/L	THERMOPOL Small / Large	350 x 440 x 420	12,0	1.200 W	6 /12	100°C
A5701	PRESS	200 x 200 x 550	22,0	-	3	-

BURN-OUT FURNACES

Machines allowing to control the heating stage during the baking process of casting investments. The electronic control offers the convenience for two different programs, one for fast investments and one for traditional investments. CF-2 line consists of three models differing according to the size of the heating chamber. They are all supplied complete with fume exhaust pipe and must be installed under an efficient fume-extraction hood - a forced ventilation van is available, too which can be directly operated by the furnace software.



A4014 CF-2 SMALL

Burn-out furnace featuring simplified electronics. Two distinct working stages. The first program has been developed specifically for fast investments, featuring 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. Deferred starting up to 100 hours and software safety for switching off. Highest reading precision and temperature check during every working stage. Integral alumina heating chamber assuring a high-level primary and secondary insulation. Front flap door. Heating chamber overall dimensions: mm 160 x 160 x 100h. Power: 1600W



A4014M CF-2 MEDIUM

Same version as previous, bearing the same technical features but with larger heating chamber. Heating chamber overall dimensions: mm 180 x 230 x 115h. Power: 2200W

A4014L CF-2 LARGE

Same as previous model, common technical features but distinguished by the largest available heating chamber. Heating chamber overall dimensions: mm 230 x 300 x 150h. Power: 2800W

FUME EXTRACTORS



A1211 FUME FAN

Exhaust system to drain away fumes originated during the wax melting stage and the casting ring drying cycle. A van leads the fumes upwards from the heating chamber 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.

Item Code	Description	Dimensions L x W x H	Weight kg	Absorp.	Chamber L x W x H	Capacity 9x rings	Capacity 3x rings	No. of programs
A4014	CF-2 SMALL	320x400x470	25,0	1.600 W	160x160x100	2	6	2
A4014M	CF-2 MEDIUM	360x460x490	35,0	2.200 W	180x230x115	4	12	2
A4014L	CF-2 LARGE	420x530x520	45,0	2.800 W	230x300x150	8	20	2

PORCELAIN FURNACES

Dentalfarm is implementing their range with the addition of two porcelain furnaces. PF PRO for traditional firing technique and CAD-CAM generated lithium disilicate crystallization, PF PRESS for both firing and pressing. The new porcelain furnaces of the PF range are suited to carry out baking and to process all restorative porcelain materials: medium and low firing temperature conventional ceramics, feldspathic ceramics, highly vitreous ceramics, lithium disilicate, ceramic-on-metal or on-zirconia as well as all-ceramic system. The several versatile programs and the accurate execution of any aspect of the firing cycle will assure top performance results.



A4051 PF PRESS

Porcelain furnace developed for the firing process of pressable ceramics, including even press-injected and last generation ceramics. It features a practical and intuitive user interface supported by variable encoder which permits to store and select the operation parameters.

Main features:

- 16-bit microprocessor monitoring each cycle
- Flash-type memory for easy set up and update
- 80 programs for conventional ceramics
- 20 special programs for pressing technique
- Wide choice of freely programmable working parameters, each function may be modified according to specific needs
- Drying stage under both open and close muffle
- Possibility of cycles with two temperature thresholds, peculiar to the milled lithium disilicate
- Adjustment of the vacuum level
- Disparate cooling modes, even under very slow motion with closed firing chamber
- Newly developed muffle with quartz filtered radiation
- Set of silicone casting rings and special bases for pressing technique
- Ceramic honey-comb support plate and 15 refractory pins
- Highest temperature 1200°C
- Power 1200W

The dry vacuum pump is part of the standard supply.

The injection of ceramics takes place by means of a compressed air piston operating from bottom to top. This is one of the distinguishing features 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.



INNOVATIVE MUFFLE

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.



ACCESSORIES

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

Square plate support (55 x 55 mm) in honeycomb ceramic with 15 3mm ceramic pins (code 40501)

PORCELAIN FURNACES



A4050 PF PRO

Furnace suitable for all traditional firing techniques. It features a practical and intuitive user interface supported by variable encoder which permits to store and select the operation parameters.

Main features:

- 16-bit Microprocessor
- Flash-type memory for easy set up and update
- 100 programs for traditional ceramics
- Wide choice of freely programmable working parameters, each function may be modified according to specific needs
- Drying stage under both open and closed muffle
- Possibility of cycles with two temperature thresholds, peculiar to the milled lithium disilicate technique
- Adjustment of the vacuum level
- Disparate cooling modes, even under very low motion with closed firing chamber
- Newly developed muffle with quartz filtered radiation allowing to boost the effect of IR rays
- Ceramic honey-comb support plate and 15 refractory pins
- Highest temperature 1200°C
- Power 1200W

The dry vacuum pump is part of the standard supply.

Item Code	Description	Dimensions L x W x H	Heating chamber	Weight kg	Absorption	Max Temperature	No. of firing programs	No. of prog. for lithium disilicate	No. of prog. for press-injection
A4051	PF PRESS	390x440x490	Ø90 x 55h	28,5	1.050 W	1.200°C	70	10	20
A4050	PF PRO	390x440x490	Ø90 x 55h	28,0	1.050 W	1.200°C	80	20	-

DRY VACUUM PUMP



A5801 VACUUM PUMP

Vacuum pump featuring a rate capacity of 50 liters per minute. Extremely silent, no maintenance required thanks to the innovative dry pump (no oil) feature.

Expressly studied to contribute to the highest performance of our PF ceramic furnaces.

Item Code	Description	Dimensions L x W x H	Weight kg	Power	Flow	Max Vacuum level
A5801	VACUUM PUMP	250x150x200	8,0	500 W	50 l/min	750 mm Hg

LED LIGHTING WITH MAGNIFIER

All our SOLAR bench lamps are proposed in the LED version thus assuring the most accurate lighting combined to low consumption. Emitted light is white (6400° K), comparable to natural light. Fitted with 3x magnifying lens, available in different sizes and shapes to satisfy any need. Thanks to the suitable accessories, they can be firmly fixed on the working bench or wall-mounted, complying with limited space requirements.



A7001 SOLAR 3x SQUARE

Bench lighting fitted with large 3x magnifying lens. New design featuring pure white light over 108 LED. The lamp can be fixed either on a bench or wall-mounted.



A7002 SOLAR 3x RING

Bench lighting fitted with round 3x magnifying lens. Pure white light radial lighting over 48 LED ring. It can be fixed either on the working bench or wall-mounted (bracket available upon request).



bench clamp

bench-top

wall-mounted

LED LIGHTING WITH MAGNIFIER

The compact-in-size SOLAR BENCH lamp combines the excellent lighting effect assured by the 60 LED ring to the option of two different magnifying effects for most accurate control. Indeed, the 3x lens provides for a more powerful section achieving 12x capability. The firm base allows for a wide arm extension.

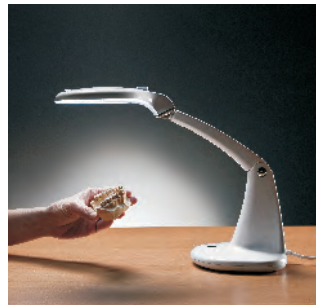


A7003 SOLAR BENCH

Bench-top lamp featuring round 3x magnifying lens inclusive of 12x section for more accurate resolution. Pure white radial lighting over 60 LED ring. Bench-top version only.



SOLAR in upright position perfectly spreads out light throughout the whole working area



SOLAR with inclined arm will better focus on details without impeding execution



SOLAR offering the ultimate feature for 3x or 12x lens allowing precise execution of even the smallest detail

Item Code	Description	Upper lamp size L x W x H	Arm max extension	Light sources	Weight	Lens size L x W mm	Magnifying effect
A7001	Solar 3x SQUARE	300 x 200 x 50	1100mm	108 x 11W	5.5 kg	185 x 155	3 at 200mm
A7002	Solar 3x RING	300 x 185 x 30	1100mm	48 x 4,8W	4.1 kg	Ø 120	3 at 150mm
A7003	Solar 3x-12x BENCH	150 x 200 x 30	370mm	60 x 6W	2.5 kg	Ø 95	3+12 at 80mm

FLUIDIZERS FOR CEMENTS AND COMPOSITES



A5415 EASYFILL

Device expressly studied as support to restorations with composite resins. The ideal condition for the most correct flowability of these products will give active support to the dentist when filling in canal roots and when refining shapes, as well as during the faithful restoration of tooth morphology.

In a word it is a handy heating system working at the fixed temperature of 47.5°C which raises both the composites and the cement to the ideal working condition.

Suitable for use in dental clinics - it comes complete with three preformed seats for disposable packs (pre loaded tips P.L.T.) and with four compartments for different materials and more colours, specifically suited when the extruded material is extracted directly from the syringe.

Its lightweight and compact design allows to utilize it near the dental chair.



A5416 EASYFILL PLUS

Larger model suitable for use both in dental laboratory and clinics since it offers the addition of interchangeable plates adaptable to different size of material or to disposable packs.

Heating system providing for the temperature to be preset within the fixed limits which enables to find the most ideal condition specific to each product.

Rechargeable battery with no restricted use due to the electric cable.

NEEDLE-BURNER



A6602 NEBUR PLUS

Device specifically formulated for use in dental clinics to get rid of the anaesthetic syringe needle. Needles are burnt without leaving any organic residue, thus excluding any risk of contamination. In conjunction, the Plus version offers the feasibility to heat up anaesthetics allowing to inject it at a temperature very similar to the human body. This feature will assure to relieve the pain and allow the fluid to penetrate quickly. The rechargeable battery allows for extended use nearby the dental chair.

A6601 NEBUR

Version with restricted function as needle-burner only.



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