



PRODUCT CATALOGUE



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

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DENTalfarm PRODUCTS

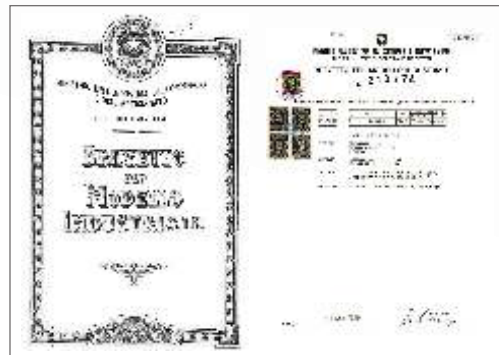
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Dry Oxide System (D.O.S.) is an exclusive patent by Dentalfarm. The device, integrated in microblasting tanks, allows to eliminate moisture absorbed by very fine abrasives thus assuring a smooth and efficient flow. Indeed, without this system, nozzles 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

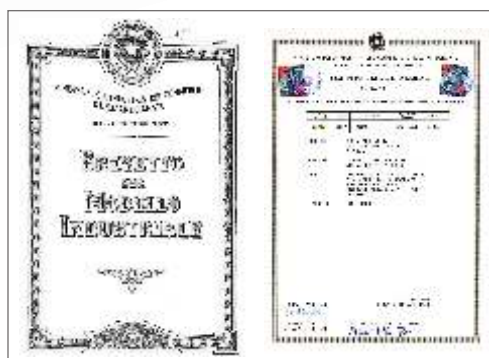
- steady air/abrasive flow
- absolute safety since the tanks are not kept under pressure
- microabrasives are always dry, smooth-running and under the correct quantity
- degreasing effect is assured
- low consumption of abrasive product

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

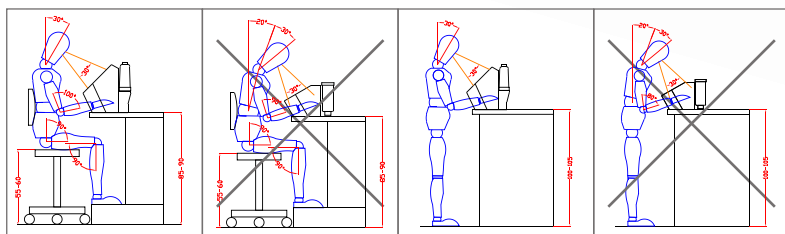
DENTALFARM BLASTING UNITS

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 are quite often differing 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: upstream, in case only suspended dust particles will have to be drained, downstream for efficient removal of worn abrasive. 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 protective 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.

- 10 DEVESTING
- 12 MECHANIC PICKLING AND BOND ROUGHENING
- 14 FINAL POLISHING

ALL-IN ONE BLASTING CENTRE

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, Dentalarm 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 more 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 L x P x H	Weight Kg	Absorp.	Air Consumption Devesting	Air Consumption Finishing	Nozzle Devesting	Nozzle 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 L x P x H	Weight Kg	Absorp.	Air Consumption Devesting	Air Consumption Finishing	Nozzle Devesting	Nozzle 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	-

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 microglass-beads.



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
A1073ED	MICRA EVO D.O.S.
A10732	MICRA 2

Dimensions L x W x H	Weight kg	Assorb.	Air consumption Nozzle Ø 0,8	Air consumption Nozzle Ø 1,2	Air consumption Nozzle Ø 0,5	Air consumption Nozzle Ø 2,0
410x450x415	12,7	300 W	20 l/min	45 l/min	10 l/min	120 l/min
410x385x415	11,0	50 W	20 l/min	45 l/min	10 l/min	120 l/min

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. Dentalfarm 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.

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 ø3.5mm

AP-046 OROCOR GRAINSIZE 46 - 350MY

Coarse, aggressive corundum for non-precious alloys. Re-circulating method in sandblaster with nozzle ø3.0mm

AP-060 SUPERCOR GRAINSIZE 60 - 250MY

Coarse, aggressive corundum for precious alloys. Re-circulating method in sandblaster with nozzle ø3.0mm

AP-300 OROBLAST 200MY

Glass-beads for the satin-finishing of any alloys. Re-circulating method in sandblaster with nozzle ø3.0mm



AP-0605 Al₂O₃ GRAINSIZE 60 - 250MY

Coarser grain suitable for the preparation of the composite retention wall. Disposable abrasive method in microblaster with nozzle ø2.0mm

AP-120 Al₂O₃ GRAINSIZE 120 - 105MY

Coarser grain assuring an engraved retention for resin and ceramics. Disposable abrasive method in microblaster with nozzle ø1.2mm

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 ø0.8mm

AP-180 Al₂O₃ GRAINSIZE 180 - 80MY

Fine grain for the preparation of the retention wall for ceramics. Disposable abrasive method in microblaster with nozzle ø0.8mm

AP-270 Al₂O₃ GRAINSIZE 270 - 50MY

Very fine grain for accurate operations. Disposable abrasive method in microblaster with nozzle ø0.5mm






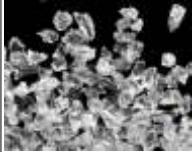







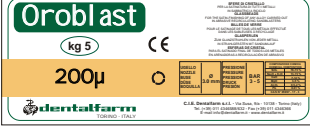





















AP-090 MICROBLAST 90MY

Medium glass-beads for the satin-finishing of any alloy. Disposable abrasive method in microblaster with nozzle ø0.8mm or ø1.2mm

AP-055 MICROFINE 50MY

Fine glass-beads for the satin-finishing of any alloy. Disposable abrasive method in microblaster with nozzle ø0.5mm or ø0.8mm

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

Dentalfarm 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. Dentalfarm 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. Most ideally suited 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. Most 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. Most ideally suited 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

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 L x W x H	Weight kg	Absorption	Motor speed	Rotation	Vacuum pressure
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 Dentalarm 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

- 3 DENTURES PLANNING
- 4 POSITIONING OF ATTACHMENTS
- 11 FINISHING - DRILLING

ISO MILLING UNITS

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.

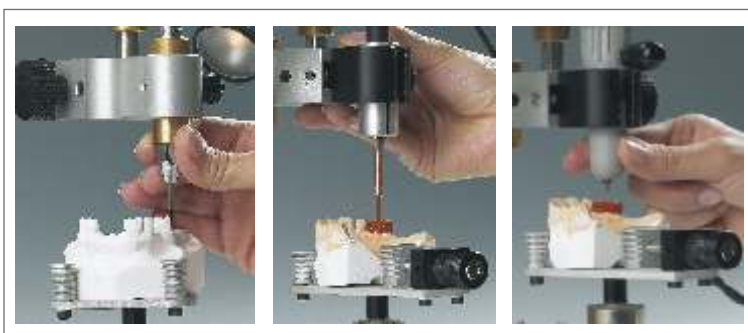
Model-holder offering variable plate inclination, complete set of accessories part of standard supply.

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.

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

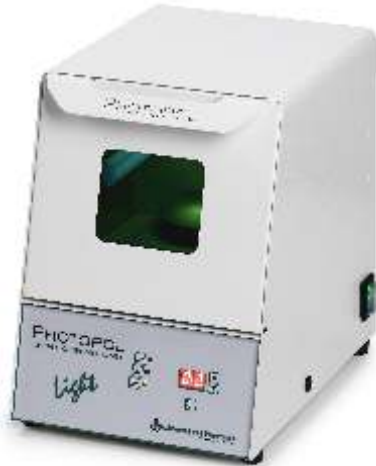
5101001 BAKELITE DISC grainsize 36 (coarse)

5101001F BAKELITE DISC grainsize 46 (finer)

Item Code	Description
A5103	MT Wet
A5103D	MT Wet with diamond disc
A5104D	MT Dry

Dimensions L x W x H	Weight kg	Absorption	Motor speed	Disc diameter
320 x 480 x 360	17,2	750 W	1400 rpm	254 mm - hole 25,4
320 x 480 x 360	17,2	750 W	1400 rpm	254 mm - hole 25,4
320 x 480 x 360	16,5	750 W	2800 rpm	254 mm - hole 25,4

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.

**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**A5411 LC-TRAY**

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

Main features:

- Four UV cold light lamps for plate treatment
- Sliding drawer
- Highly reflecting interior walls
- Electronic timer to be preset at 3 or 5 minutes or under no-time limit mode.

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	=	=
A5411	LC-TRAY	220 x 240 x 105	1,6	36 W	4	=

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 Dentalarm: 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 only as the lid is 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 Dentalarm 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	-

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.

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 to originate. 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.

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	ON REQUEST	YES
A4508	EC-2 VACUUM INFRARED	500x700x1060	105,0	2.860 W	YES	YES

BUNSEN BURNERS



A6020 E-BUNSEN

Electronic induction burner of the modelling spatula without gas and open flame. The sensor located on top detects the presence of the waxing tool and starts heating: in a couple of seconds, the waxing spatula is hot. Adjustable operating frequency.



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 centrifugal unit.

RT100 Pack of 6 ceramic crucibles with reinforced silicon nitride layer for non-precious alloys, borax vitrification recommended. For casting machines.

RT101 Pack of 6 ceramic crucibles for any alloy, borax vitrification recommended. For casting machines.

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

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

RT104 Pack of 6 ceramic and hardened zirconia crucibles for any alloy, no vitrification needed. For casting machines.

MELTING ACCESSORIES



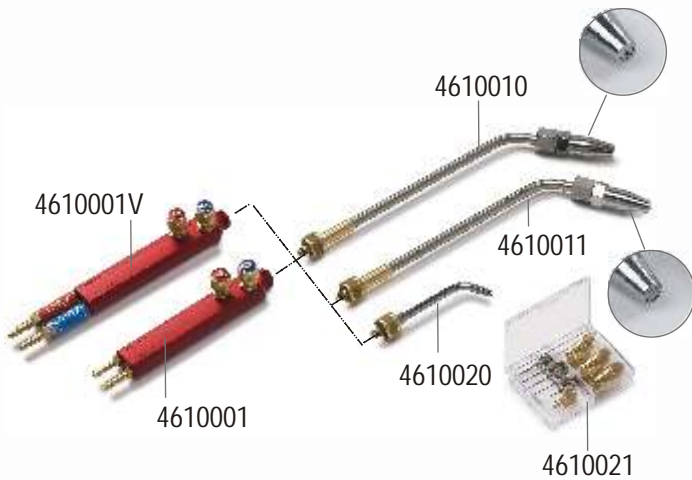
ISOBASE Pack of 2 rubber bases for casting rings with different melting cones

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)



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

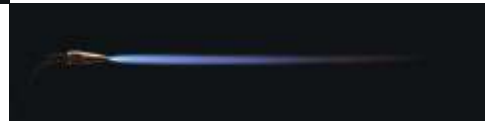
for non-precious alloys



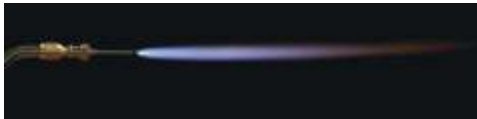
for precious alloys



for soldering



for microsoldering



A4600 CYLINDER HOLDER TROLLEY

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

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

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 thus ensuring a longer and more intensive use.



A1502 PRO-3 SHAKE

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

Three-stage filtration concept consisting of paper bag, nylon sack and 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 and 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)

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, feldspatic 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 feature of PF-Press. Pressure and speed values can be adjusted electronically and are shown on the wide, easy-to-read display. The porcelain furnace has then to be connected to the laboratory compressed air installation.



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)

**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.

**A5801 VACUUM PUMP**

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

Noiseless operation, no specific maintenance required.

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	-

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

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.

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 oleo dynamic 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	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
A5701	PRESS	200 x 200 x 550	=	22,0	=	=

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.

PIN-HOLE DRILLING UNIT

**A5301 ED-LASER**

Precision laser pin-hole drilling unit engineered for accurate model drilling operation according to the removable stump technique.
Depth of the hole can be easily adjusted by means of setting knob in front of the machine.
150W motor, 2800 rpm speed. Drill pliers with 3mm shaft.

The suitable drill according to the different technique to be specified on order: 5301001 cone-shaped drill, Zeiser type (F), or 5301002 twin section drill, Pindex type (E).

MODEL FINISHING UNIT

**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	Weight kg	Absorption	Motor speed	Disc or tool diameter
A5601	CUT	230 x 500 x 360	9,3	100 W	2.800 rpm	80 x 0,25
A5301	ED-LASER	250 x 260 x 350	15,7	600 W	1.400 rpm	3 mm
A5610	MF - 400	210 x 280 x 310	12,0	380 W	2.800 rpm	6 mm

LED LIGHTING WITH MAGNIFIER

BENCH LIGHTING 19
MAGNIFYING OVERVIEW 20

All our SOLAR bench lamp 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

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 extension of the arm.



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	Roof 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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