artiglio - italia®

MILLING MACHINES

PARALLELOMETERS

ATTACHMENTS FOR DENTAL PROSTHESES

ZIRCONIA AND CERAMIC MILLING AND FINISHING

IMPLANTOLOGY AND IMPLANT-SUPPORTED PROSTHESES

THE EXCELLENCE IN
DENTAL TECHNIQUE

www.artiglio-italia.it

Summary

Artiglio, with the present catalogue, has the pleasure to show an abstract of equipment and accessories for the dental field. Please do not hesitate to contact us to obtain any other information you will need:

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Artiglio-Italia

The wider series of MILLING MACHINES

A complete range of ATTACHMENTS

Zirconia COPY-MILLING UNIT

A.M.I. (Mean Implant Axis) technique and systems for implant milling

Systems for COMPUTER AIDED IMPLANTOLOGY

Set of accessories for implant SURGICAL GUIDES

Artiglio

Company of Parma founded in 1956, located in the famous Italian Food Valley and Motor Valley, in a territory where the excellence in food is combined with the most prestigious car and motor industry.
Is a national treasure of history, research, method, accuracy of design and construction but above all a heritage of men and women, with their talent and their ability in designing and manufacturing products that the whole world envies us.
And it's the contagious air we breathe in these parts that has made us members and at the same time owners of this immeasurable "technological and human capital" .

After reading the pages of this catalogue do not hesitate to contact to us!
You will discover that at the other head of the telephone or the mail address there will be always someone able to answer you, in a competent, collaborative and polite way.

www.artiglio-italia.it

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Artiglio, on the occasion of the 150th anniversary of the Unification of Italy, is honored to modify its own brand with the tricolor pattern of the Italian flag. The original neutral horizontal band of Artiglio's brand becomes tricolor, while the starter A becomes blue.

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What is a milling machine?

In the dental field the milling machine is a fundamental equipment for the **working of metals** or other materials in order to realize connection devices used for dental prostheses. The tool used for this kind of working is the bur that cuts and/or removes the material.
The milling machine must operate in **"isodromy"** (from Greek *isos*=equal and *dromos*=run). It has to be able to **do equal trajectories** that means able to do parallel walls. To do it a milling machine must have: **precision, stability and manageability.**

new!

Comfort Pack

A series of accessories **to feel embraced by the working place**, comforted by a sure and sensitive hold. An ideal lighting for a bright ambience where everything you need is exactly where you would want it.

High precision components. The supporting column is made of high quality steel and the movement fluidity is granted by a 200 ball bearing race.

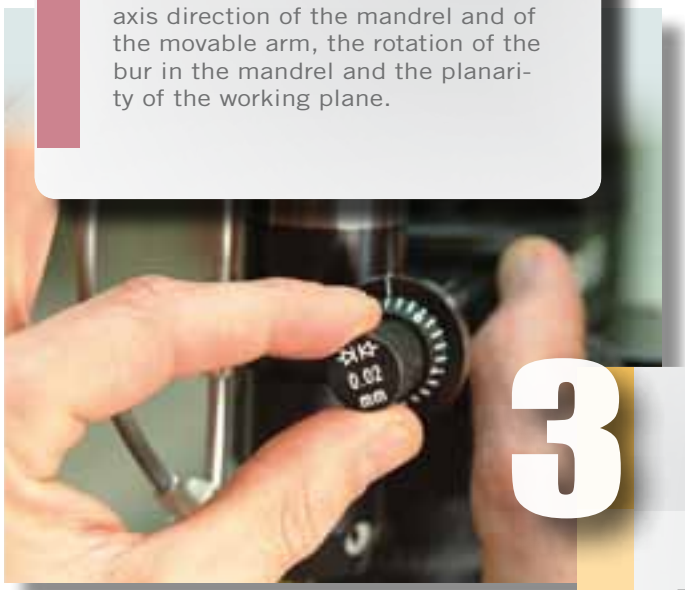
Which features have to be remarked in a milling machine?

1 Precision

The precision of a milling machine is its capability in maintaining the vertical axis between the milled guidance surface and the working plane. The tolerances of the following three main elements of the machine contribute to this aim: the axis direction of the mandrel and of the movable arm, the rotation of the bur in the mandrel and the planarity of the working plane.

2 Stability

The stability is the capability of the machine to maintain the functioning precision during each working phase. Various factors can influence the stability of the equipment: the kind of support and guide, the material used for its manufacturing, the length and the wheel base of the articulated arms and the manufacture tolerances. Artiglio's machines offer a very high stability to grant the best operating conditions.



... and the unmistakable design joined to the constructive accuracy also of all details that make Artiglio's products unique.
Artiglio, a brand that joins to the continuous search and technological evolution an unparalleled tradition and experience.

3 Manageability

The manageability is the capability of the milling machine to work totally free. Its arm must not create friction in order to be completely under the control of the user. The 3D movement of the arm of Artiglio's milling machines is obtained using double articulation systems. In some critical working procedures, such as that of the cervical shoulder, the static mechanical friction is cancelled, granting an incomparable manageability level.

Iso A1 Gold Line

Why choose Iso A1

- Excellent **quality/price** ratio.
- Easy to use, universal and suitable for any purpose: attachments assembly, surveying, milling.
- It is a basic structure with the possibility to mount different arms on it for many different purposes (drilling, threading, ...). *See Iso Parallelometer at page 27*
- It can be equipped with a complete set for the finishing of ceramic materials.

Included accessories

- Dedicated electrical micromotor (induction micromotor optional)
- Digital electronic feeder
- Mechanical magnetic model holder
- Electrical pedal
- Complete porta-chuck nut ø 2,35 mm
- Complete porta-chuck nut ø 3 mm
- Collet adapter for ø 1,6 mm burs
- Ergonomic handgrip
- Universal mandrel
- Slideways oil
- Air-oil cooling assembly (only with Air Pack)
- Milling lubricating oil (only with Air Pack)

An optional Air Pack for the vacuum locking and the bur cooling is available.

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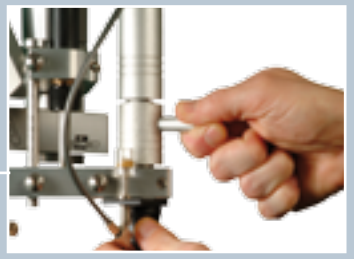
Quality details



Micromotor with quick bur release

Motor assembly (with medium eccentricity 0.02 mm) that allows the release and the locking of the bur in a very short time (about 5 seconds), reducing the working time.

Mandrel for attachments assembly and surveying

Accessory incorporated in the movable arm of the machine and coaxially positioned to the micromotor. This makes the attachments assembly and the surveying simultaneous and precise.

Separate digital electronic feeder

It supplies the electrical feeding to the machine and is equipped with all regulation and control devices. Easily removable and multi position for several uses.

Magnetic mechanical model holder

It allows to fix and lock many different kinds of models and to work without using any transfer technique.
A permanent magnet grants the fixing to the working base.

Iso A1 - Gold Line

Iso A1 is a precision milling machine with movable tri-dimensional arm with vertical stop and guide to realize holes, channels, chamfers and interlocks. **It is furnished with all the main items to do milling, attachments assembly and surveying.**

Equipped with **electrical micromotor, digital electronic feeder** with adjustable speed and **pedal, modelholder** and incorporated **mandrel for attachments assembly and surveying.**

Worked materials	
Wax	★ ★ ★
Resin	★ ★ ★
Precious alloys	★ ★ ★
Non precious alloys	★ ★ ★
Titanium	★ ★ ★
Implants	★ ★ ★
Zirconia	★ ★ (with optional STONE set)

Technical data	Machine	Electronic feeder
Dimensions (mm)	210x300x350(480)	195x190x80
Weight (kg)	11	3
Vertical range H max/h min/stroke (mm)	265/0/45	
	Micromotor	
Speed (rpm)	1.500÷27.000	
Pressure (bar)	3÷4 (only with Air Pack)	
Air consumption (l/min)	40 (only with Air Pack)	

A2 Gold Line

Why choose A2

- Strong and steady, it is a tireless working instrument.
- Complete and universal, usable for all techniques, included the finishing of ceramic materials, thanks to an optional set of accessories.
- Compact and easily positioned in the laboratory.

Included accessories

- Dedicated electrical micromotor (induction micromotor optional)
- Adjustable digital electronic feeder
- Halogen spotlight (Crown led optional)
- Vacuum locking mechanical model holder
- Pneumatic-electrical double pedal
- Air-oil cooling assembly
- Milling lubricating oil
- Complete porta-chuck nut ø 2,35 mm
- Complete porta-chuck nut ø 3 mm
- Collet adapter for ø 1,6 mm burs
- Ergonomic handgrip
- Universal mandrel
- Slideways oil

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Quality details

Bur cooling circuit

Pneumatic system that sends air or nebulized air-oil to the bur, during the wax and metal milling, allowing a quicker working, more polished walls and less consumption of burs.

Integrated spotlight

Adjustable lighting system of the machine that improves the tri-dimensional perspective of the model without shadows. Being not reflective it is less tiring.

Base locking circuit

Very practical system, safe and reliable that allows to lock the base or to move it without friction on the whole working plane.

Comfort pack

(optional – see page 23)

A special series of accessories (arm supports, led light, tools holder, ...) designed to improve the quality of working life.

A2 - Gold Line

A2 is a precision milling machine steady, compact and easy to use, with all the main items to do milling, attachments assembly and surveying. Equipped with tri-dimensional movable arm with vertical stop and guide to realize holes, channels, chamfers and interlocks. Furnished with **electrical micromotor**, **digital electronic feeder** with adjustable speed and **pedal, model holder** and **incorporated mandrel for attachments assembly and surveying.**

Worked materials

Wax	★ ★ ★
Resin	★ ★ ★
Precious alloys	★ ★ ★
Non precious alloys	★ ★ ★ ★
Titanium	★ ★ ★
Implants	★ ★ ★ ★
Zirconia	★ ★ (with optional STONE set)

Technical data

	Machine	Electronic feeder
Dimensions (mm)	260x300x380(520)	195x190x80
Weight (kg)	19	3
Vertical range H max/h min/stroke (mm)	200/0/45	
	Micromotor	
Speed (rpm)	1.500÷27.000	
Pressure (bar)	3÷4	
Air consumption (l/min)	40	

A3 IRON STONE • Gold Line

Why choose A3 IRON STONE

- To take a remarkable step forward from the past.
- To work all materials from the traditional to the ceramic ones.
- To be able to choose the desired locking system.

MULTI-PIN draining plate
Provided with special holes that grant a simple and effective water collection.

Included accessories

IRON

- Dedicated electrical micromotor (induction micromotor optional)
- Adjustable digital electronic feeder
- Vacuum locking model holder
- Electrical pedal
- Air-oil cooling assembly
- Pneumatic regulator
- Sliding disc
- Locking plane
- Milling lubricating oil
- Complete porta-chuck nut ø 2,35 mm
- Complete porta-chuck nut ø 3 mm
- Collet adapter for ø 1,6 mm burs
- Ergonomic handgrip

STONE

- Air turbine with spray
- Hydro pneumatic feeder
- Pneumatic pedal
- Draining model holder
- Complete porta chuck nut ø 1,6 mm
- Protection rings
- Water draining pipe
- Water collecting vessel
- Slideways oil

COMMON ITEMS

- Halogen spotlight (Crown led optional)
- Accessories holder
- Universal mandrel
- MULTI-PIN draining sliding plate

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Quality details

Micromotor with digital feeder

Motor assembly with rapid release lever. Its feeder, equipped with all regulation and control devices, supplies the electrical feeding to the machine.

Vacuum locking mechanical model holder AR1/M

Very big model holder granting an excellent working stability. It allows to fix and lock many different kinds of models and to work without using any transfer technique. Magnetic version optional.

Air turbine with feeder and pedal

A turbine with water cooling, to avoid micro-fissures in the ceramic materials. Provided with a pneumatic pedal that allows a powerful control of the turbine via foot switch.

TAP draining model holder

Draining model holder provided with three protecting rings that avoid the water's fog spillage.

A3 IRON STONE- Gold Line

A3 IRON STONE is a precision milling machine with all the main items to do milling, attachments assembly and surveying. Equipped with tri-dimensional movable arm with vertical stop and guide to realize holes, channels, chamfers and interlocks.

Furnished with **electrical micromotor, digital electronic feeder** with adjustable speed and **pedal, model holder, air turbine** with **feeder** and **pedal, draining model holder** and **mandrel for attachments assembly** and **surveying.**

Worked materials	
Wax	★ ★ ★
Resin	★ ★ ★
Precious alloys	★ ★ ★
Non precious alloys	★ ★ ★
Titanium	★ ★ ★
Implants	★ ★ ★
Zirconia	★ ★ ★

Technical data

	Machine	Electronic feeder	Hydro pneumatic feeder
Dimensions (mm)	330x330x420	220x170x210	195x190x80
Weight (kg)	10	3,5	3
Vertical range H max/h min/stroke (mm)	190/0/45		

	Micromotor (IRON)	Turbine (STONE)
Speed (rpm)	1.500÷27.000	0÷300.000
Pressure (bar)	3÷4	2,8÷3,2
Air consumption (l/m)	40	40

A4 IRON Gold Line

Why choose A4

- To look forward and to have an upgradable milling machine.
- To be free to use it in many different ways.
- To work tirelessly thanks to the very ergonomic working position.

A6 set

It is a complete upgrading set that allows increasing the performances without to buy a new machine, but upgrading the one already existing.

Available also A4 STONE version

Included accessories

IRON

- Dedicated electrical micromotor (induction micromotor optional)
- Adjustable digital electronic feeder
- Halogen spotlight (Crown led optional)
- Mechanical model holder
- Pneumatic-electrical double pedal
- Air-oil cooling assembly
- Sliding disc
- Locking plane
- Milling lubricating oil
- Complete porta-chuck nut ø 2,35 mm
- Complete porta-chuck nut ø 3 mm
- Collet adapter for ø 1,6 mm burs
- Ergonomic handgrip
- Accessories holder
- Universal mandrel
- Slideways oil

STONE

- Air turbine with spray
- Hydro pneumatic feeder
- Pneumatic pedal
- Draining model holder
- Universal mandrel
- Complete porta-chuck nut ø 1,6 mm
- Protection rings
- MULTI-PIN draining sliding plate
- Water draining pipe
- Water collecting vessel
- Accessories holder
- Slideways oil

IRON STONE

- All the accessories of both versions.

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Quality details

Adjustable supporting table

Support of the working plane with high excursion that allows working also on high models.

Removable locking plane AQ/52

Allows to secure the model holder and, once removed, to work directly on the MULTI-PIN plane suitable for wax milling and for ceramic materials finishing.

STONE set

(optional accessory for A4 IRON) for the finishing of ceramic materials.

Set of accessories that can be assembled to the machine for the finishing of primary elements made of ceramic materials (sintered zirconia, zirconia implants, alumina, metal free all-ceramic.
A turbine with water cooling, to avoid micro-fissures in the ceramic materials, and an innovative water collect system allow to work safely protecting all the elements of the machine.

A4 IRON - Gold Line

A4 IRON is a precision milling machine with high versatility: from traditional universal milling machine to machine for the finishing of ceramic materials to measurable micrometric working system. Realized with all the main items to do milling, attachments assembly and surveying. Equipped with tri-dimensional movable arm with vertical stop and guide to realize holes, channels, chamfers and interlocks. Furnished with **electrical micromotor**, **digital electronic feeder** with adjustable speed, **pedal, lockable model holder, spotlight** and incorporated **mandrel for attachments assembly and surveying.**

Worked materials

Wax	★ ★ ★
Resin	★ ★ ★
Precious alloys	★ ★ ★
Non precious alloys	★ ★ ★
Titanium	★ ★ ★
Implants	★ ★ ★
Zirconia	★ ★ ★ (only STONE version)

Technical data

	Machine	Electronic feeder	Hydro pneumatic feeder
Dimensions (mm)	320x300x470	220x170x210	195x190x80
Weight (kg)	24	3,5	3
Vertical range H max/h min/stroke (mm)	180/80/45		

	Micromotor (IRON)	Turbine (STONE)
Speed (rpm)	1.500÷27.000	0÷300.000
Pressure (bar)	3÷4	2,8÷3,2
Air consumption (l/m)	40	40

Super A1 • Premium line

Why choose Super A1

- To mill completely free or totally controlled.
- To save time and therefore to reduce the costs.
- To easily approach the workings required by the prosthetic guided implant surgery.

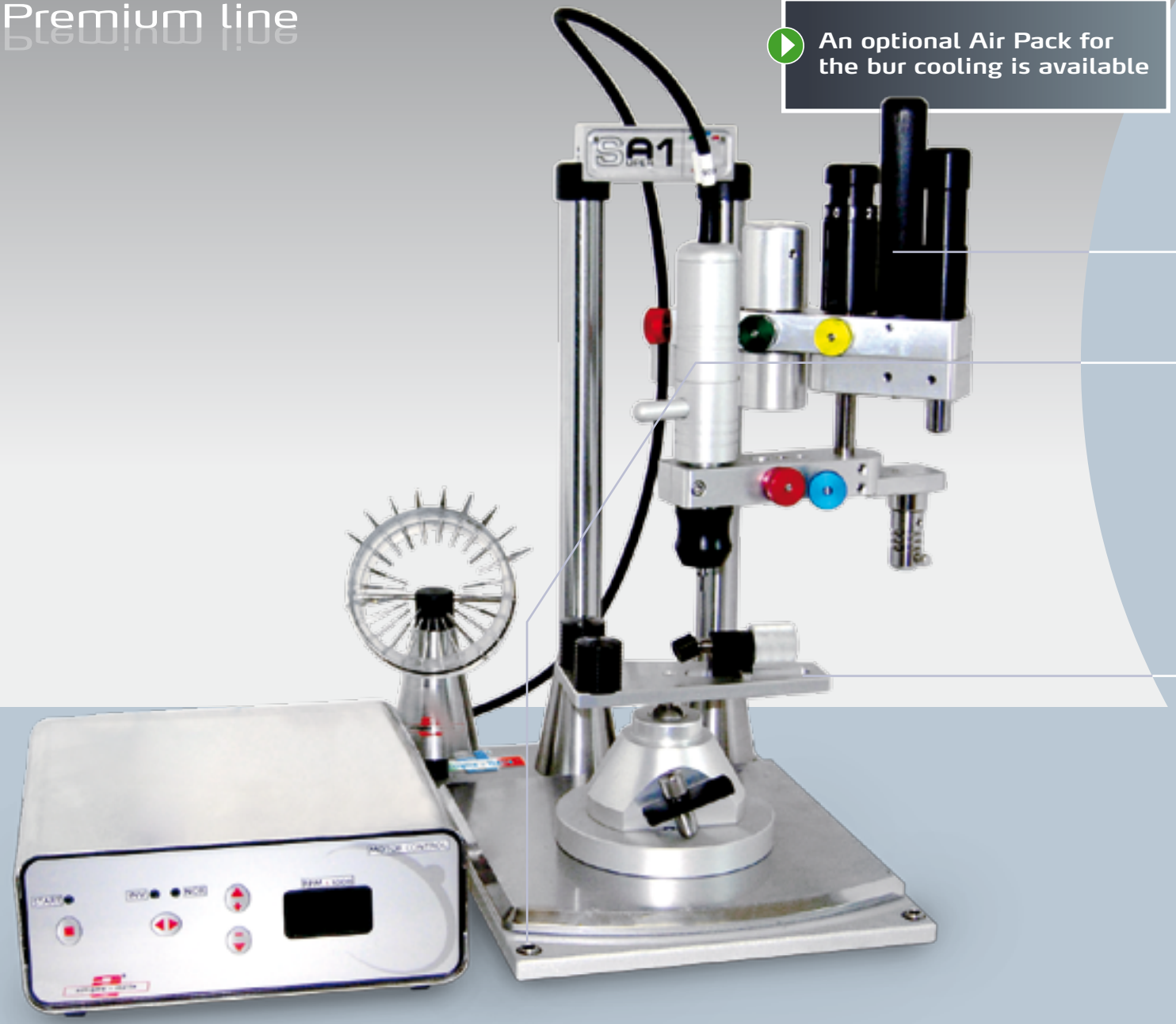
Included accessories

- Dedicated electrical micromotor (induction micromotor optional)
- Digital electronic feeder
- Magnetic mechanical model holder
- Electrical pedal
- Complete porta-chuck nut ø 2,35 mm
- Complete porta-chuck nut ø 3 mm
- Collet adapter for ø 1,6 mm burs
- Ergonomic handgrip
- Universal mandrel
- Slideways oil

Optional

- Air Pack for bur cooling
- Accessories holder with halogen spotlight
- Crown led
- Burs holder Ring
- Ergonomic hangrip Finger

An optional Air Pack for the bur cooling is available



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Quality details

Micrometric adjustment

Devices allowing the micrometric control of the working to be done.

Adjustable working plane

Levelling devices to make the right angular survey according to the DGT system.

Drill sensitive lever

To easily carry out all drilling procedures.

Magnetic mechanical model holder

It allows to fix and lock many different kinds of models and to work without using any transfer technique.
A permanent magnet grants the fixing to the working base.

Super A1 - Premium line

SA1 is a precision milling machine with double-joint movable arm of an exceptional and steady guide. Provided with vertical stop and guide to realize holes, channels, chamfers and interlocks. **It is furnished with all the main items to do milling, attachments assembly and surveying.** Furnished with **electrical micromotor, digital electronic feeder** with adjustable speed and **pedal, model holder** and incorporated **mandrel for attachments assembly and surveying.**

Worked materials

Wax	★ ★
Resin	★ ★
Precious alloys	★ ★ ★
Non precious alloys	★ ★ ★ ★
Titanium	★ ★ ★ ★
Implants	★ ★ ★ ★
Zirconia	★ ★ (with optional STONE set)

Technical data

	Machine	Electronic feeder
Dimensions (mm)	210x300x360(440)	195x190x80
Weight (kg)	13	3
Vertical range H max/h min/stroke (mm)	235/0/38(28)	
	Micromotor	
Speed (rpm)	1.500÷27.000	
Pressure (bar)	3÷4 (only with Air Pack)	
Air consumption (l/min)	40 (only with Air Pack)	

Super A4 • Premium line

Why choose Super A4

- To look forward and to have an upgradable milling machine.
- To perform very easily all workings required by the prosthetic guided implant surgery.
- To work tirelessly thanks to the very ergonomic working position.

Included accessories

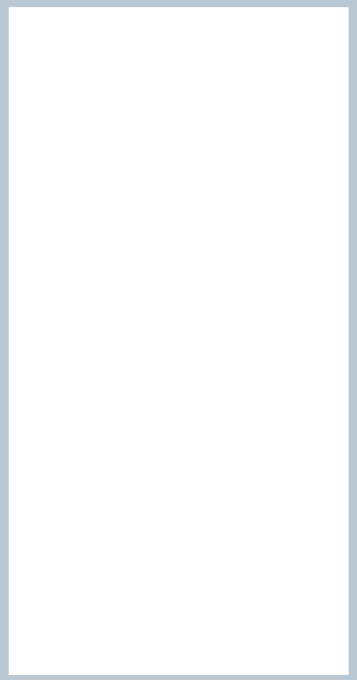
- Dedicated electrical micromotor (induction micromotor optional)
- Adjustable digital electronic feeder
- Halogen spotlight (Crown led optional)
- Mechanical model holder with switch-off magnets
- Pneumatic-electrical double pedal
- Air-oil cooling assembly
- Milling lubricating oil
- Complete porta-chuck nut ø 2,35 mm
- Complete porta-chuck nut ø 3 mm
- Collet adapter for ø 1,6 mm burs
- Ergonomic handgrip
- Universal mandrel
- Slideways oil

Set Super A6/ Super A8

The bearing structure of Super A4 is arranged for the upgrade to Super A6 or Super A8 in order to achieve the perfomances of the Excellence line milling machines.

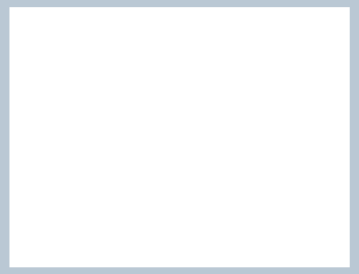
The standard Super A4 is **Grey** while in the version **Comfort Pack** is available with the column and the arms of the followings colours: **Orange**, **Blue**, **Red** and **Green**. Super A4 is also available in the **exclusive version White**.

Quality details



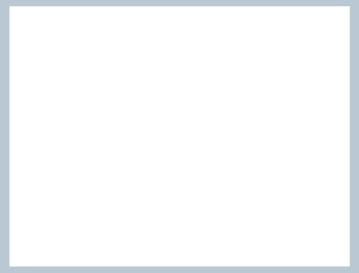
Comfort Pack (optional)

A series of accessories designed to improve the quality of the working life and therefore the quality of the output.



Vertical and transversal adjustment

Adjusting devices allowing flawless works performed with the maximum simplicity.



Suspended feeder

Easily removable, now the feeder takes up a minimal space on the bench.

Super A4 - Premium Line

The new design of the **Super A4 movable arm joins an extraordinary feeling to an aggressiveness of cut without equal.** Provided with air-oil jet on the bur, as Artiglio's tradition, and switch-off magnets model holder, Super A4 is not only an universal milling machine but also **a customized instrument to guarantee the maximum comfort of use.** A led light (optional) with wide glass ring focus the brightness on the working area. Super A4, the result of a complete but essential innovative design. Furnished with **electrical micromotor, digital electronic feeder** with adjustable speed and **pedal**, **model holder** and incorporated **mandrel for attachments assembly and surveying.**

Worked materials	
Wax	★ ★
Resin	★ ★ ★
Precious alloys	★ ★ ★ ★
Non precious alloys	★ ★ ★ ★ ★
Titanium	★ ★ ★ ★ ★
Implants	★ ★ ★ ★ ★
Zirconia	★ ★ ★ (with optional STONE set)

Technical data	Machine	Electronic feeder
Dimensions (mm)	400x430x510(590)	195x190x80
Weight (kg)	31 feeder incl.	3
Vertical range H max/h min/stroke (mm)	305(245)/135/38(28)	
	Motor	
Speed (rpm)	1.500÷27.000	
Pressure (bar)	3÷4	
Air consumption (l/m)	40	

Super A6

Excellence Line

Why choose Super A6

- No limits: it permits to realize all the possible works of a dental laboratory with measurable precision.

- Best result, least effort.

- Incomparable precision and stability.

Included accessories

- PUSH-LOCK U powered chuck (Induction powered chuck optional)
- Adjustable digital electronic feeder
- Double spotlight (halogen spotlight + spot led optional)
- Pneumatic-electrical double pedal
- Air-oil cooling assembly
- Mechanical model holder with switch-off magnets
- Console with locking plane
- Complete porta-chuck nut ø 2,35 mm and 3 mm
- Ergonomic handgrip
- Universal mandrel
- Milling lubricating oil

Super A6 is normally **Grey.**
Super A6 is also available in **Chrome** version.

Quality details

Movable arm on highprecision ball slide-table

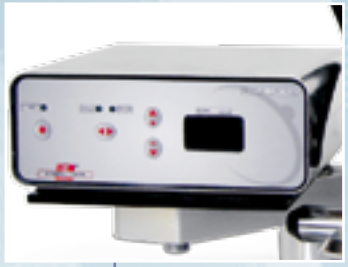
Three microns of coupling tolerance in the ball slide-table of Super A6 and Super A8, to join an unbelievable precision to the highest stability and the best manageability.

DC powered chuck PUSH-LOCK U

Ten microns tolerance of the bur locking system especially designed for the dental milling; this means more precise walls and a quicker finishing and polishing of the surfaces.

Incorporated micrometric assembly

Assembly integrated in the mobile arm including stops, precision screws and operating knobs. It permits a precise construction, measurable on vertical and transversal axis of the machine, of milled elements, such as channels, chamfers, holes, interlocks and attachments.



Adjustable feeder

Easily removable, can be adjusted to reduce the space and to obtain the best individual working position.

Super A6 - Excellence Line

Very high-precision milling machine able to satisfy both daily exigencies of a dental laboratory and any other kind of requirement. Thanks to its movable arm assembled on a high-precision ball slide-table the machine grants in time the highest precision, manageability and stability. **The exclusive motor assembly realized by Artiglio** together with the micrometric measuring system of the workings assure to the manufacture **very high precision and perfect polishing.** It is furnished with **DC powered chuck** (with complete porta-chuck nuts ø 2,35 and 3 mm), **digital electronic feeder** with adjustable speed, **pneumatic-electrical pedal, lockable model holder, spotlight** and **mandrel for attachments assembly and surveying.** The optional **Comfort Pack** consists of **arms supports** called **"Support Colour", two spotlights** (one led and one halogen), the burs holder **Ring** and the ergonomic hangrip **Finger.**

Worked materials

Wax	★ ★ ★ ★ ★
Resin	★ ★ ★ ★ ★
Precious alloys	★ ★ ★ ★ ★
Non precious alloys	★ ★ ★ ★
Titanium	★ ★ ★ ★
Implants	★ ★ ★ ★
Zirconia	———

Technical data

	Machine	Electronic feeder
Dimensions(mm)	400x430x520	195x190x80
Weight (kg)	36 feeder incl.	3
Vertical range H max/h min/stroke (mm)	205/110/50	
	Motor	
Speed (rpm)	1.000÷20.000	
Pressure (bar)	3÷4	
Air consumption (l/m)	40	

SUPER A8 • Excellence Line

Why choose Super A8

- For the possibility to own the extreme evolution of **Artiglio**'s mechanics.

- To elevate the quality standard of the work thanks to excellent performances.

- To save time and money in the working of any kind of material.

Included accessories

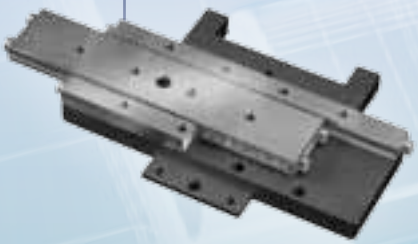
- PUSH-LOCK U powered chuck (Induction powered chuck optional)
- Adjustable digital electronic feeder
- Halogen spotlight and led spotlight
- Pneumatic-electrical double pedal
- Pedal for vacuum locking of the model holder
- Adjustable plane with vacuum locking system by pedal
- Air-oil cooling assembly
- Vacuum-locking mechanical model holder
- Sliding disc
- MULTI-PIN draining sliding plate
- Complete porta-chuck nut ø 2,35 mm and 3 mm
- Finger ergonomic handgrip
- Universal mandrel
- Milling lubricating oil
- Arm supports "Support Colour"
- Ring burs holder

SA8 is available only **Black.**

Quality details

DC powered chuck PUSH-LOCK U

Ten microns tolerance of the bur locking system especially designed for the dental milling; this means more precise walls and a quicker finishing and polishing of the surfaces.



Movable arm on high-precision ball slide -table LARGE MASS (LARGE MASS movement slide-table)

Supporting element of the powered chuck with high mass that reduces the technician effort and the operating time improving the surface of milled walls.

Working plane with vacuum locking system

Surface where to lay the model holder before starting the working. It is quicker and more practical to fix and release the model holder without using any manual control.

Adjustable pneumatic suspension

Adjusts the resistance of the vertical slide to follow the exigencies of the working. It can be used “high” for metal milling and “light” for wax milling or for milling on precious alloys.

Super A8 - Excellence Line

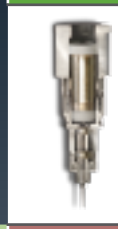
Very high-precision milling machine able to satisfy both daily exigencies of a dental laboratory and any other kind of requirement. Thanks to the high mass of its slide-table, the machine allows the technician to reduce the operating effort.
The exclusive motor assembly realized by Artiglio together with the micrometric measuring system assure more precise walls and a quicker finishing and polishing of the surfaces.

Furnished with **PUSH-LOCK U powered chuck, digital electronic feeder** with adjustable **speed, triple pedal, model holder** and **incorporated mandrel for attachments assembly and surveying.** The **Comfort Pack** furnished as included accessory consists of **arm supports** called “Support Colour”, **two spotlights** (one led and one halogen), the **burs holder Ring** and the **ergonomic hangrip Finger.**

Worked materials	
Wax	★ ★ ★
Resin	★ ★ ★ ★
Precious alloys	★ ★ ★ ★ ★
Non precious alloys	★ ★ ★ ★ ★
Titanium	★ ★ ★ ★ ★
Implants	★ ★ ★ ★ ★
Zirconia	——

Technical data	Machine	Electronic feeder
Dimensions (mm)	400(800) x430(540)x520	195x190x80
Weight (kg)	38 feeder incl.	3
Vertical range H max/h min/stroke (mm)	205/110/50	
Motor		
Speed (rpm)	1.000÷20.000	
Pressure (bar)	3÷4	
Air consumption (l/m)	40	

List of available accessories

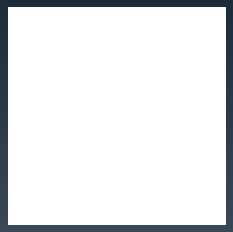
	DC powered chuck	Electrical micromotor	Induction micromotor	Digital electronic feeder	Mandrel for attachments assembly and surveying	Permanent magnets model holder AR1/MMP	Vacuum locking model holder AR1/M	Switch-off magnets model holder AR1/MMD	Air-oil cooling assembly Air Pack	Spotlight	Set for zirconia and ceramic milling	Comfort Pack
												
Iso A1	n.a.	X	O	X	X	X	O only with Air Pack	O	O	O only with Air Pack	O	n.a.
A2	n.a.	X	O	X	X	O	X	O	X	X Halogen O Crown led	O	O
A3 IRON STONE	n.a.	X	O	X	X	O	X	O	X	X Halogen O Crown led	X	n.a.
A4 IRON	n.a.	X	O	X	X	O	X	O	X	X Halogen O Crown led	O	O
SuperA1	n.a.	X	O	X	X	X	O	O	O	O Halogen O Crown led	O	n.a.
SuperA4	n.a.	X	O	X	X	O	O	X	X	X Halogen O Crown led	O	O
SuperA6	X	n.a	O	X	X	O	O	X	X	X 2 Halogen O Halogen + Led	n.a.	O
SuperA8	X	n.a.	O	X	X	O	X	O	X	X Halogen + Led	n.a.	X

X Included accessories O Optional accessories n.a. Not applicable

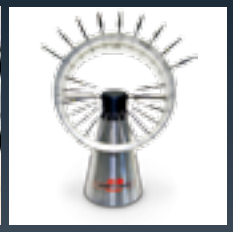
Optional accessories

Comfort Pack


Arms supports
Support Colour


Lighting
Crown Led


Ergonomic handgrip
Finger


Burs holder
Ring

Systems for angular measurement (see pages 38-39-41)


DGT


Rap


A21/G


Galileo Pack


Articulator plates or split-cast

Transfer systems (see page 41)


Standard ø 80


Simple or multiple ø 40


Transfer blade S25/T


Abutments transfer TOWER MILL

Systems for angular workings (see pages 40-41-42)


Device for angular limitation RANGE


Device for orthogonal insertion QUADRA

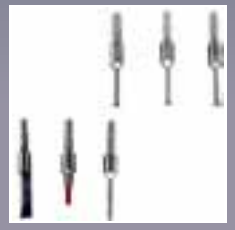

Drilling device TOWER DRILL

Accessories for the occlusal plane (see page 42)


Survey blade S25/R


Squaring system SQUARE

Accessories for surveying


Accessories for surveying


Thermal probes set for wax smoothing

Visual systems for check and communication (see pages 38-40)


Handcam


Handled

What is a parallelometer?

The parallelometer is the essential work instrument in the dental laboratory to do model surveying, prosthesis design and a right attachments assembly.

Quality details

- Rotating working plane
- Arm sliding on bearing brass for attachments assembly
- Suitable also for surveying
- Quick accessories holder mandrel
- Quick model holder A21

Novart

Novart is a parallelometer especially designed for attachments assembly, with possibility to do also surveying.
The peculiarity of this system is the rectified working plane that, rotating on its axis, allows **an exceptional panoramic view of the model.**
A universal mechanical mandrel for conical and cylindrical tools, which can move in a horizontal and vertical way and can be fixed using specific knobs, allows a rapid and precise positioning.
The vertical column, equipped with an extra-sensitive movement handgrip, allows a quick and precise changing of position. **It is also pre-arranged for the application of a halogen spotlight (LA, optional).**

Included accessories

- Quick model holder A21

Performances

- Attachments assembly
- Surveying

Technical data

Dimensions (mm)	200x250x330
Weight (kg)	6
Vertical range H max/h min/stroke (mm)	175/75/30

Parallelomatic

Parallelomatic, parallelometer especially designed for the surveying.
The peculiar features of the articulated pantograph, **easy to handle and sensitive, allow maintaining the chuck axis perfectly parallel all over the very wide working plane.** The conical insertion mandrel, which makes easier the fitting and the replacing of all analysis accessories, can be provided with a vertical return (MM, optional). The accessories holder is pre-arranged for the application of a halogen spotlight (LA, optional). The parallelometer can be equipped with a feeder (STP, accessory not included) **that includes an electronic regulator for the feeding of thermal probes, used for wax smoothing.**

Quality details

- Ideal for the surveying
- Tri-dimensional pantograph arm
- Quick accessories holder mandrel sliding on bearing brass
- Quick model holder A21
- Available in two versions with or without feeder for thermal probes, used for wax smoothing

Assembled STP feeder

Included accessories

- Quick model holder A21 with extension PRO1
- Analytic point
- Graphite holder
- Calibrators 0,25 – 0,50 – 0,75 mm
- Wax knife
- Reducing chuck for the insertion of accessories with cylindrical shank ø 2,35 mm

Performances

- Surveying

Technical data

Dimensions (mm)	200x240 (+135 with STP) x 630
Weight (kg)	4,5 (+0,75 with STP)
Vertical range H max/h min/stroke (mm)	170/95/55

Nadir

Nadir, very small parallelometer but extremely versatile and easy to handle.
The model can be positioned on NADIR and analyzed by traditional instruments or by a laser optics LAS (optional) in a very easy and unfailing way.

It will be possible to establish the fundamental values:
- **for the analysis and the checking of the models;**
- **for the surveying of total, fixed and removable prostheses;**
- **for the positioning of implants and attachments;**
- **for the welding by laser machine.**

Performances

- Attachments assembly
- Surveying

Technical data

Dimensions (mm)	ø 80 x 170 - 220
Weight (kg)	0,7
Height mandrel-working plane min/max (mm)	15 ÷ 80
Vertical stroke (mm)	10

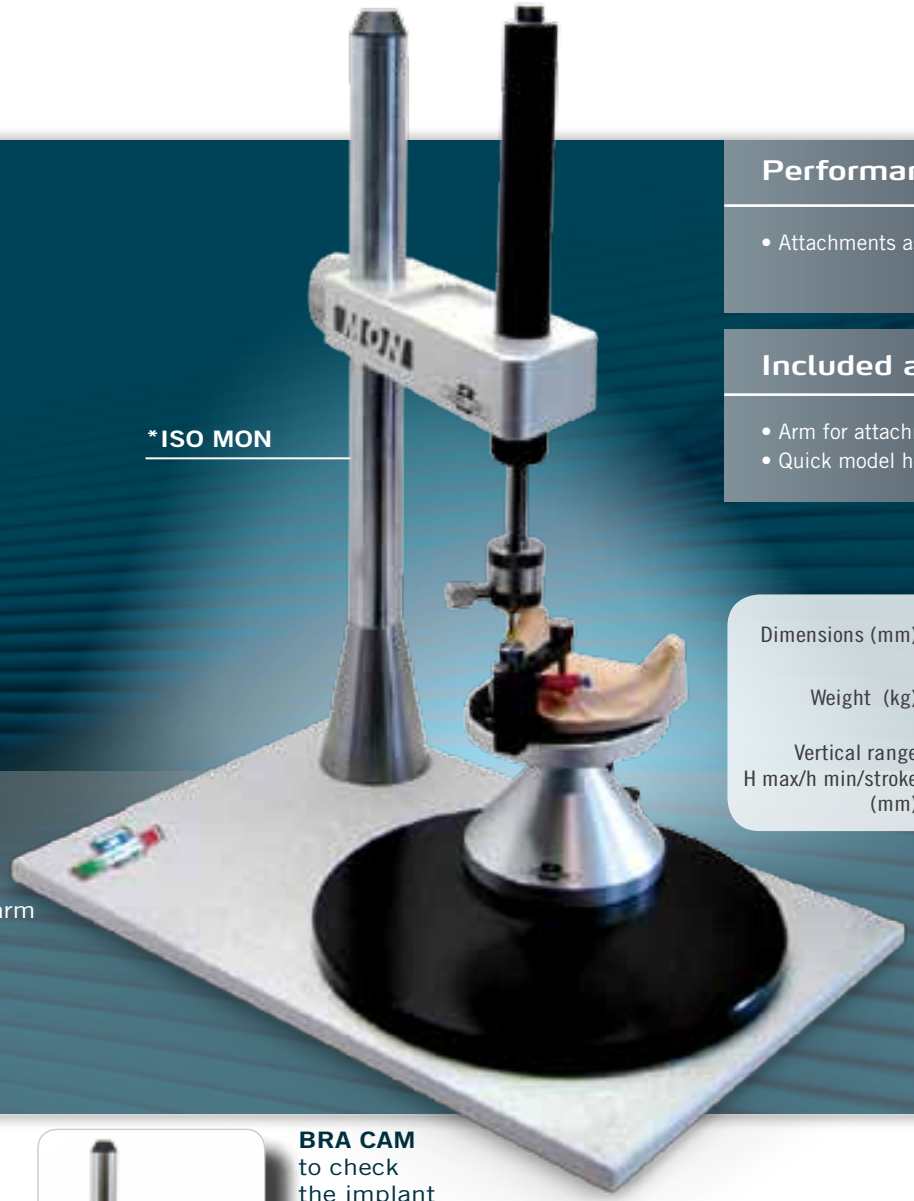
Ideal for the dentist

Quality details

- Multifunctional universal parallelometer suitable both for the clinic and the laboratory
- Reduced dimensions and weight (ideal for welding in laser machines)
- Movable arm
- Mandrel for attachments assembly and surveying
- Panoramic spherical support (optional)
- Laser arm (optional)

Iso

ISO is a multifunctional machine, simple and cheap, with a structure that makes it suitable for many purposes: **a precision instrument that all modern laboratories must have.**
Thanks to this philosophy it is possible, starting with a simpler parallelometer and adding then accessories step by step, to reach a complete machine **able to satisfy all the parallel and milling present-day requirements.**
The machine can be completed with not included accessories for the vacuum locking of the model holder, for the bur cooling and for the lighting of the working area.



*ISO MON

Performances*

- Attachments assembly

Included accessories*

- Arm for attachments assembly
- Quick model holder A21

Technical data*

Dimensions (mm)	280x200x400
Weight (kg)	7
Vertical range H max/h min/stroke (mm)	240/0/50

BRA MON
for attachments positioning and assembly

BRA F A1
for milling

BRA PRO
for the analysis of the model and surveying

BRA TRE
pantograph arm for milling

BRA PAN
to realize threaded holes also for the screwing of superstructures

BRA DRILL
for drilling

BRA CAM
to check the implant position

Baby Art

Baby Line

A fundamental instrument for the survey of the path of insertion and for the attachments positioning.
Reduced dimensions, ease of use and inexpensiveness are its fundamental features. Baby Art is furnished complete with model holder A21/E.
Baby line is also available in different versions as milling machines *(see all below pictures)*.

BABY EASY
with air motor and high-precision chuck

BABY MILL
with universal support and magnetic model holder

BABY MILL IRON
with electrical micromotor, feeder and magnetic model holder

BABY MILL STONE
with air turbine, feeder and magnetic model holder

Performances

- Surveying

Technical data

	Parallelometer	Model holder
Dimensions (mm)	Ø 160x160	Ø 80x80
Weight (kg)	1,5	0,15

Resilient: attachments allowing MOVEMENT between the abutment teeth and the attachment

Sweet

Clock

Fox

S-ball

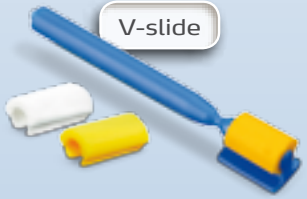
C-rider R

Rigid: attachments allowing NO MOVEMENT between the abutment teeth and the attachment

Wing

Bite

V-slide



Resilient: attachments allowing MOVEMENT between the abutment teeth and the attachment

Ammortizzatore Art

Rompiforza Tv

Ter libe

Bilanciatore Tv

Cerniera Gelb

Microcerniera A3

Rigid: attachments allowing NO MOVEMENT between the abutment teeth and the attachment

Art

Rec

Swift-Art

Ter

Rec-intra

Skate

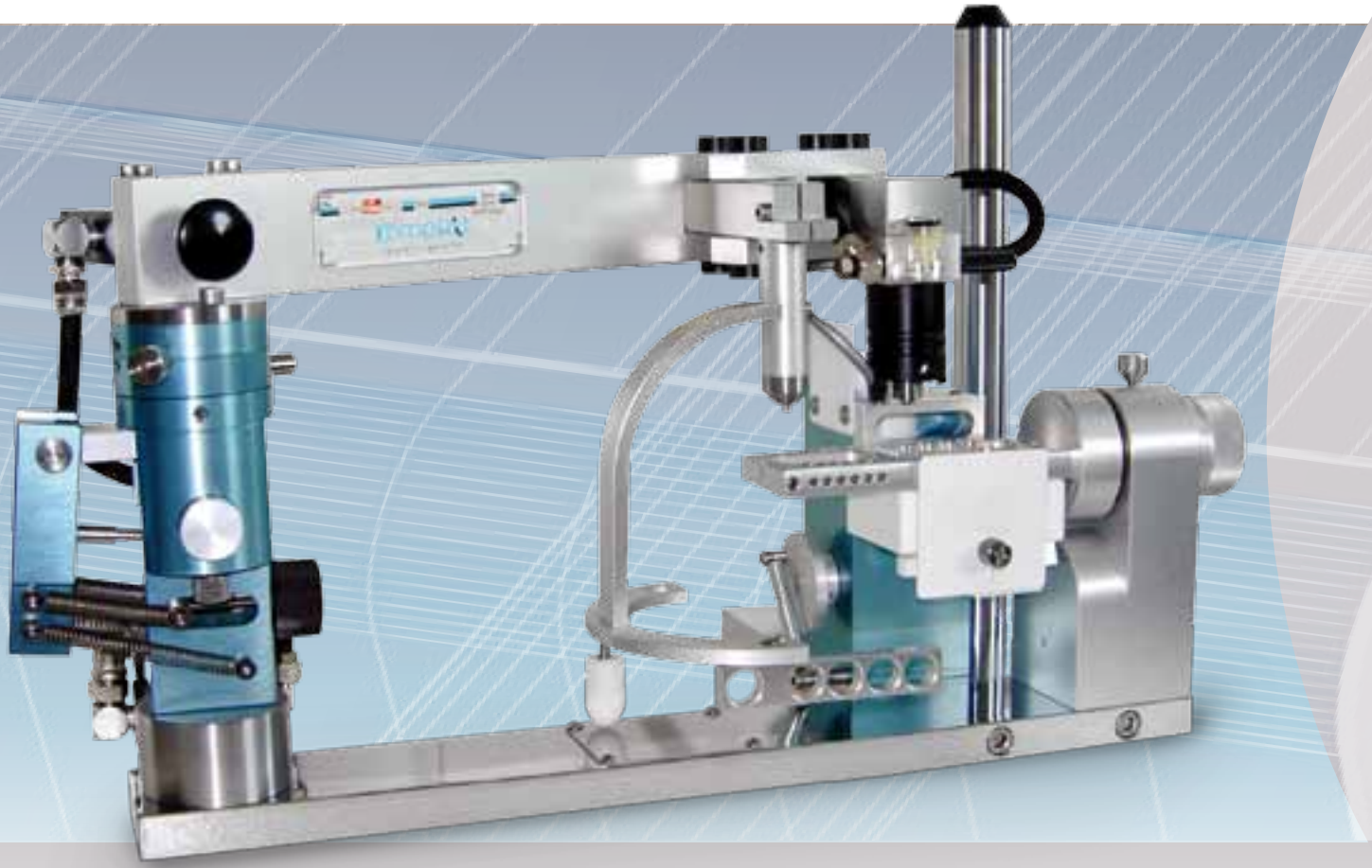
Kompakt

Why choose Kompakt

Zirconia milling for everyone!
Kompakt allows all laboratories to start doing zirconia milling with a high precision machine, absolutely within the reach of everybody.

Included accessories

- LOW SPEED turbine motor
- PUSH-LOCK U mandrel
- High precision porta-chuck nut ø 3 mm
- Incorporated air feeding assembly
- Adjustable satellite handgrip
- 360° adjustable support for work holder frame
- Interchangeable work holder frame
- Connection for external suction apparatus



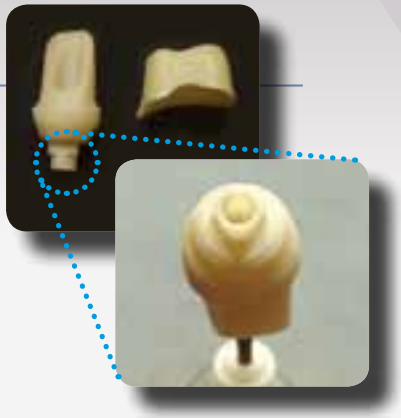
Kompakt

A reverse in zirconia milling

After many years of redundant and disorientating market proposals to dental technicians, Artiglio calls the concept of quality of the life and autonomy into question. Kompakt is not only a copy-milling unit, it is the expression of a precise philosophy: to look for and find the maximum satisfaction in the reduction to the essential.

Autonomy

Everyone deserves a copy-milling unit, exclusive and unmistakable. That's why Kompakt is perfect for those laboratories still undecided on the investment. And that's why Artiglio gives you a whole series of accessories to tailor Kompakt for you. A machine that offers a new opportunity to go on the market with a cost-effective output wholly made by the laboratory.



ARTIGLIO for KOMPAKT has chosen products Zirkonzahn

Quality details

Compactness

Thanks to its 38 cm length and 20 cm width, Kompakt performs perfectly and with extreme fluidity the workings on zirconia.

Precision and relax

A tightening system that grants a maximum eccentricity of 0,01 mm means more precision, less oscillations and consequently less splintering risk, allowing to work in a more relaxed and comfortable way.

Safety

Safe execution of closing profiles. The vertical stop allows in fact a progressive advance and the satellite handgrip, working only on the styli, avoids wrong flexions of the tools.
Furthermore the suction unit adjustable on the piece, always allows a perfect view of the work.

Saving

Artiglio offers a sintering service of the elements and a milling service to realize wide extensions.

Quickness

The KM Kompakt item, for the assembling of the modelling, realized separate from the structure grants precision and immediacy.
The KS item for rough milling has to be used with a bench micromotor, more aggressive, to remove excess material.

Simplicity

An illustrative video in our website shows how much simple is to perform good zirconia workings. Easy, simple and immediate.

Performances

- Copy-milling of crown & bridge frameworks made of zirconia

Technical data

Dimensions (mm)	38x20x28
Weight (kg)	10
Speed (rpm)	5.000÷15.000
Pressure (bar)	min 5
Air consumption (l/min)	40
Suction connector	Ø adapted to the laboratory net

PERSEO BETA

Cellini
The top of the milling machines for ceramics.

PERSEO is an isoparallelometer specifically designed for the finishing of primary elements of ceramic materials (sintered zirconia, zirconia implants, alumina, metal free all-ceramic).
Studied to be used with a water turbine, to avoid micro-fissures in the ceramic, can adopt each kind of laboratory turbine (upon dimensional compatibility check). Supplied with an innovative water collect system, it permits to work in a more ergonomic and quicker way, saving all the elements of the machine.

Worked materials

Wax	—
Resin	—
Precious alloys	—
Non precious alloys	—
Titanium	—
Implants	—
Zirconia	★ ★ ★ ★ ★

Technical data

	Machine	Hydro pneumatic feeder
Dimensions (mm)	200x280x420	220x170x210
Weight (kg)	16	3,5
	Turbine	
Speed (rpm)	0÷300.000	
Pressure (bar)	2,8÷3,2	
Air consumption (l/min)	40	
Vertical range H max/h min/stroke (mm)	230/0/32	

Performances

- Free-hand milling
- Analysis of the model

Included accessories

- Draining model holder TAP
- Water draining pipe
- Water collecting vessel
- Slideways oil

It is furnished with movable arm, MULTI-PIN draining plate, TAP draining model holder for quick model locking and water collecting vessel with water draining pipe. The machine can also be supplied complete with water turbine and its hydro pneumatic feeder with pedal and with mandrel for attachments assembly and surveying.

Available also PERSEO ALFA version.

Sileno

Specific milling machine for the working of implant abutments so as to realize directly on them telescopic, conical and conometric milling.
It is a revolutionary instrument without equal that allows to carry out the milling of the titanium and of ceramic materials with an innovative procedure that eliminates all problems generated from the use of a traditional milling machines.
Sileno, in fact, is easy to use, reduces the work effort of the technician and eliminates (thanks to its exclusive transfer system) the problems of deterioration of the master models which lock the analogues of the implants.
Reduction of the working time, with **consequent reduction of costs,** and moreover reduction of the number and the wear of the tools.
The milling machine Sileno can be demanded since the origin in **Omnia** configuration or can be equipped in a second time with a **Omnia Fa** set, composed by a column which supports a pantograph arm, that allows the milling machine to be used in traditional way that is to say to make “free hand” milling on the model.

Performances

- Abutments implant milling

Included accessories

- Column with adjustable inclination
- DC powered chuck
- Digital electronic feeder
- Spotlight
- Bur cooling
- Pneumatic-electrical double pedal
- Locking - sliding of the base
- Suction apparatus
- Transfer system ROCK LOCK

Worked materials

Wax	——
Resin	——
Precious alloys	★ ★ ★ ★
Non precious alloys	★ ★ ★ ★ ★
Titanium	★ ★ ★ ★ ★
Implants	★ ★ ★ ★ ★
Zirconia	★ ★ ★ ★

Technical data

	Machine	Electronic feeder
Dimensions (mm)	400x400x350	195x190x80
Weight (kg)	30	4

Motor	
Speed (rpm)	1.000÷20.000
Pressure (bar)	3÷4
Air consumption (l/min)	40

Implart Evo

system for computer aided implantology

Precision | The product of style and simplicity
It's truly inspiring to see someone achieve so much with so little effort. Also in implant dentistry: to reduce the data to insert and to develop an intelligent system is not idealism but progress.

Rigorous and refined
The system Implart-Winmed-Galileo II perfectly conjugates precision and simplicity. The transmission of the data from the clinician to the technician, through a simple transparency film, is very user friendly and error-proof. Its compatibility with all brand implants allows it to be used by all the clinicians.

Technical data

	Machine	Electronic feeder
Dimensions (mm)	350x330x350(470)	195x195x80
Weight (kg)	17	3
Speed (rpm)	1.500÷27.000	
Vertical range H max/h min/stroke (mm)	225/100/26	

Performances

- Fabrication of radiographic guides with radio-opaque reference plates SPOT STAGE (patented system)
- Realization of surgical guides following different procedures
- Positioning of drilling sleeves according to several techniques
- Preparing of models for an immediate load implant surgery
- Manufacturing of temporary or definitive restorations prior to surgery

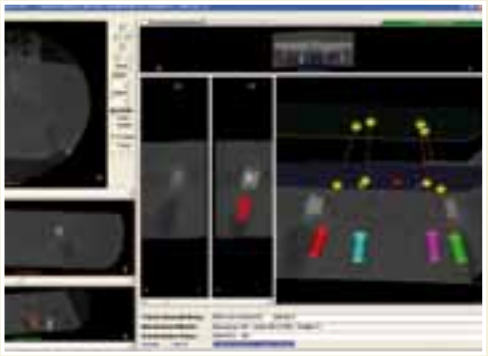
Included accessories

- Dedicated electrical micromotor (Induction micromotor optional)
- Adjustable digital electronic feeder
- Electrical pedal
- Complete porta-chuck nut ø 2,35 mm
- Complete porta-chuck nut ø 3 mm
- Collet adapter for ø 1,6 mm burs
- Ergonomic handgrip
- Universal mandrel
- Slideways oil

PATENTED

SPOT STAGE reference plates

Why choose Implart Evo?



HIGH PREDICTABILITY

Winmed software grants the clinician to determine the perfect position of all implants to be inserted. The use of plates with radio-opaque references recognized by Winmed, patented system, enables the software to nullify all mistakes produced by the positioning of the patient during the computed tomography (CT or CAT scan) allowing a sure pre-surgical planning.

SAFE AND PRECISE IMMEDIATE LOAD SURGERY

A clever system allows the sleeve positioning exactly in the position found by the webcam. The centesimal control of the vertical height guarantees the precise procedure of the immediate load.

ZERO ERRORS: ANY PLANNING DATA MUST BE TRANSFERRED

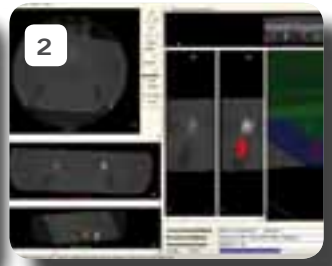
The system does not need any data adjustment so Winmed-Galileo II system is about 10 times faster and safer than comparable systems. The right position of the implant is given by two printed films properly applied to Galileo II so the technicians easily find the implant positioning in the model without any possibility to make a mistake. A webcam shows on the PC video virtual sight and the operator must sights the position of the implants, by tilting Galileo II.

MEDICO-LEGAL PROOF

Once completed the surgical planning it is possible to archive the printed film as a proof of the right planning. In addition to digital back-up of the work images, it is possible to make videos of all steps to validate the operating procedure adopted. All these documents can be used as a proof of the good practice used by the dentist to perform the implant treatment.

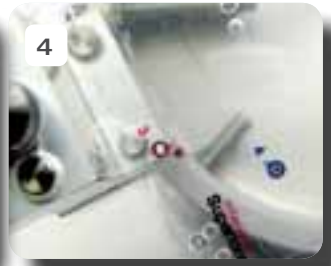
Operating procedure

Radiographic guide with SPOT STAGE plate



TC data calibrated by Winmed software for planning

Transparency printed with the implant position



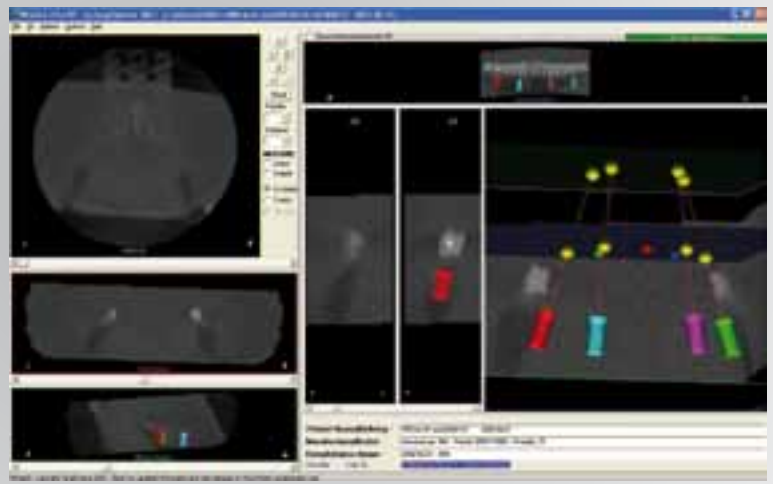
Application of transparencies on TARGET STAGE Galileo

Sighting of the implant with webcam

Sleeve positionning and/or drilling with Implart Evo

WinMed

Software for the diagnosis and the pre-surgical planning



SurgiSystems ▸ *www.surgisystems.it*

WinMed, software for the diagnosis and pre-surgical planning of the dental implant treatment. **Extreme accuracy of elaboration,** which nullify the alignment distortions of the patient during the CT scans (patented), joined to a **perfect compatibility with all implant** brands and to an **extreme ease of use**: that's why any clinician cannot do without **WinMed** software. The last release of **WinMed** calculates also the **middle implant axis**, said AMI, and the **structural risk factor**, a fundamental data for a precise and complete surgical planning. Furthermore Winmed can be used on DGT mode which allows all standard milling machines to be used for placing sleeves in surgical guides.

Galileo II

Galileo II is the link between the virtual and the real treatment. It is the **simplest**, **surest** and most **immediate** tracking system that allows the technician to transfer in a prosthetic surgical guide the virtual planning carried out by the clinician with **WinMed.** It is a solution to realize in an **elementary and easy** way the construction of **surgical guides** suitable for both standard and immediate load implant treatment.

Safe & Fast

Accessories for prosthetic guided implantology

Complete set of accessories made up of sleeves, inserts, keys especially designed:
- **for the clinician**, who prefer having drilling guides during the implant surgery;
- **for the dental technician**, to realize surgical guides and temporary or definitive restorations prior to surgery (immediate load surgery).

Made of plastic or stainless steel, Safe & Fast is **tailored on the clinician needs** because it is made of **all diameters and dimensions required.**

Absolutely **customized following the clinician personal choice**, Safe & Fast can be furnished in different solutions as:
- **pilot drill guidance,** if the clinician think that a further guidance is not required;
- **partial sequence guidance** selected by the clinician or;
- **full guidance.**

DGT System

RAP DGT is the last evolution of the technique **for the design of implant-supported prostheses**. The **easy reading** of the digital display allows an **immediate and sure recording** of the angular values a very wide angular range.
The use of the system DGT, combined with the **software AMI**, gives the technician not only the **mean implant axis value** (AMI) and the **aesthetical-functional range** but also points out the **structural risk factor** of the work to be done.
An **advanced approach to the planning** and fabrication of implant-supported prostheses that is **simpler and cheaper** than the past.
The use of mathematical data immediately given by the software allows the technician to **work safely** with the **certainty to perform a flawless denture** either on functional or on aesthetical point of view.

Available bases

- **pneumatic base**, for the vacuum locking either on steel or granite working planes;
- **steel base**, for the locking on electro-magnetic working planes o;
- **switch-off magnetic base**, for the locking on steel working planes.

Available plates

- **mechanical plates**, suitable for a universal fixing of the model;
- **plates for articulators or split-cast systems**, to guarantee the perfect re-positioning of the model on its original position;
- **special plates** designed for Galileo Pack application.

Performances

- Conometric and conical milling
- Measuring of the insertion path of the model and of every single element /implant
- A.M.I. (Implant-supported prostheses Mean Axis) computing
- Positioning of drilling guides in the surgical guides
- Finding of the right pre-angled post

DGT SOFT: the basic

The simplest and powerful solution to record the angular data.

DGT TOP: the useful

A reclined catchy dashboard for an easy reading of the strong inclinations.

DGT BASE

Stell base with levelling devices, included in DGT FULL.

DGT TEST

Help-device to verify the right levelling.

DGT FULL: the absolute

Complete center of measurement provided with steel base having levelling registers for an absolute reading of the values.

Galileo Pack for surgical guides

A set of accessories that allow the base DGT to be used for making surgical guides (Computer Aided Implantology with Winmed DGT system).

AMI software

Starting from the simply filling in of the inclinations this software, easy to experience, automatically computes the **A.M.I. value**, the **aesthetical-functional range** and the **global risk factor** of the work to be done. Furthermore it suggests the cone cutter to use and the tailored milling inclination of each element to guarantee the best common path of insertion.

Path of insertion in implant dentistry

Occlusion is an important variable in the success or failure of most prosthodontic reconstructions. With natural teeth, a certain degree of flexibility permits compensation for any occlusal irregularities. Implant dentistry is not as forgiving. **The most significant factor** affecting stability of an implant-supported restoration is occlusal loading. Excess loading may lead to loosening of abutment screws and, if undetected, to possible fracture. Overloading may also **damage the implant and superstructure and lead to loss of osseointegration.**

The literature generally agrees in recommending an implant placement in axis with the load and therefore perpendicular to the occlusal plane. In optimal situations and for little spans this can be realized. Nevertheless, if conditions are not optimal and the number and the distribution of **the implants are more complex placement of the implants with distant inclinations will be necessary.** In fact, frequently implants are positioned in relation to future tooth replacement and within the extent of existing bone and they so present quite different angulations. **The choice of a common milling** axis to prepare the abutments is based on **several clinical and technical elements together with the experience of the operator.** Technicians usually define the milling implant axis arbitrarily without an exact evaluation of the angular inclination of each individual implant. As a consequence some implants **may present excessive angular preparations (millings)** in order to compensate for a common path of insertion. Extremely angulated abutments often have reduced height, compromised fixation screws and reduced structural integrity or may represent areas of stress concentration, prone to technical failure.

Since 2005 we defined the M.I.A. (mean implant axis) methodology in controlling the angular preparation of multiple implant abutments. **This method increase the probability to better prepare abutment by evaluating all implant angulations** (using RAP or RAP DGT model holder base), calculating the mean implant axis (AMI) and by preparing the abutments within the possible angular ranges offered by the chosen cone cutter. **A dedicated software has been developed to calculate the mean implant** axis among a set of implants so to give the clinician and the technician a fast and precise system to prepare implant abutments. **Till today no other standard methodologies** have been defined in order to establish such a fundamental technical data.

Quadra

Quadra is a model holder base which allows a wide range of positioning of the insertion axis and of the rotation axis of the model.
Specifically designed for such works that need milling, drilling and threading on axis with wide divergence as for example by **lingual positioning of the clamping screws of superstructures on implants.** The model holder **Quadra** inclinable shelf allows the variation of the model's insertion axis from the original position up to the angle at a distance of 135° from it. The combination of this movement with that of the rotation of the goniometric support on the 360°angle, allows any inclination or desired position to be reached, giving the possibility to go back to the starting position at anytime.
The model holder **Quadra** goniometers are marked with reference lines, engraved following a 10° arithmetical progression, allowing in this way an approximate evaluation of the inclination and rotation values. The picture shows **Quadra** base with assembled the model holder plate A54/P, accessory not included.

Performances

- Milling, drilling and threading on axis with wide divergence
- Lingual positioning of the clamping screws of superstructures on implants

Technical data

Dimensions (mm)	ø 110x65
Weight (kg)	1,1
Measuring field	Inclination 0°÷135° Rotation 0°÷360°
Pressure (bar)	4

Sat

- **Conometric polisher**
- Specifically intended to **make conometric crowns**
- Eliminates the need to mill on metal, the conometric crown using the isoparallelometer. In fact it is only necessary to work the wax cap with conical burs, knives or thermal probes (usually 6°).

The efficacy of this system to make conometric crowns has induced us to realize a device that allows to do it in an easy and cheap way. It is possible to order SAT with or without micromotor. The desired equipment must be specified at order time.

Worked materials

Wax	———
Resin	———
Precious alloys	★ ★ ★ ★
Non precious alloys	★ ★ ★ ★ ★
Titanium	★ ★ ★ ★ ★
Implants	★ ★
Zirconia	———

Technical data

	Conometric polisher	Electronic feeder
Dimensions (mm)	ø 160x230	195x190x80
Weight (kg)	6	4
	Micromotor	
Speed (rpm)	1.500÷27.000	
Pressure (bar)	3÷4	
Air consumption (l/min)	40	

Performances

- Conometric crowns

Included accessories

- n° 4 Disc supports
- n° 5 Felt discs
- n° 5 Fine grain paper discs
- n° 5 Medium grain paper discs
- n° 5 Coarse grain paper discs
- n° 2 Dust-proof discs
- n° 10 Casting pins ø 3 mm

Range

Range is a simple and cheap system to make conical and conometric milling. Range has **a limiting device** to allow the inclination amplitude of the plate between predetermined values, from 0° to 12°, in all directions.
The rotation of a threaded ring nut, situated under the model holder plate, increases the maximum available inclination of the model of 2° for each turn. It is possible to mount on the model holder base Range the universal model holder plate A54/PR (Range/M version) or the plaster setting plate (Range/G version, shown in the sideways picture).

RANGE is usually provided with aluminium disc and vacuum locking system.

It is also available with:

- **steel disc,** for its locking on electro-magnetic working plane or;
- **fixed magnetic disc,** for its locking on steel working plane or;
- **switch-off magnetic disc,** for its locking on steel working plane.

Perfomances

- Conical and conometric milling

Technical data

Dimensions (mm)	ø 110x70
Weight (kg)	0,9
Pressure (bar)	3÷4
Air consumption (l/min)	25

Rap

- **Model holder base specifically designed to identify the insertion plane** on that models where we have to make the surveying and parallel/conometric milling
- Possibility of measuring the general **inclination of the model and the individual inclination of every single element.**

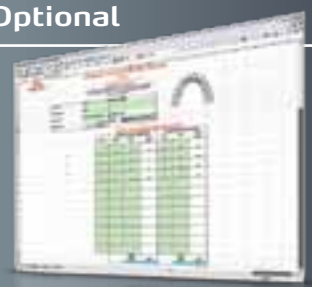
Technical data

Dimensions (mm)	ø 110x75
Weight (kg)	1,3
Pressure (bar)	3÷4
Air consumption (l/min)	25

Perfomances

- Conical and conometric milling
- Measuring of the insertion plane of the model and of every single element
- Measuring of the insertion plane of every single implant
- A.M.I. (Implant-supported prostheses Mean Axis) computing
- Positioning of drilling guides in the surgical templates
- Finding of the right pre-angled post

Optional



- A.M.I. software computing

RAP last version has become also a fundamental device:

- for **implantology** where, thanks to the possibility to transfer the CAT data, **the dental technician is able to right position**, by specific accessories, **the drilling guides** in the surgical templates;
- for **implant-supported prostheses,** because it can identify the individual inclination of every single implant. Thanks to that, using a software, it is possible **to compute the A.M.I.** (Implant-supported prostheses Medium Axis) that represents the **centroid of the superstructure,** ideal reference for the dimensional prosthetic balance.

RAP base can also be equipped with a model holder plate not included, called A21/G. This accessory gives the third angular axis that, together with the two original axis, allows the transfer of the angular correction shown by CAT.

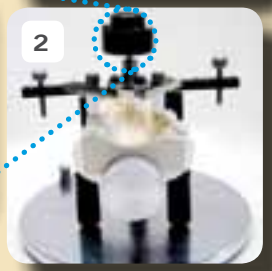
Square

Performances

- Squaring of the model according to the occlusal plane

Included accessories

- Model holder A21/SQE
- Parallel arm ARM/SQ



SQUARE, an exclusive system Artiglio to trim the model according to the occlusal plane. Once determined the occlusal plane, the posterior part of the model must be trimmed right angled and the base should be trimmed parallel to the occlusal plane. It represents a new approach to design and fabricate implant-supported prostheses. Furthermore, the squaring of the model according to the occlusal plane can be an useful aid to evaluate the path of insertion.

Tower Drill

Performances

- Drilling and/or threading of lingual abutments

Included accessories

- n° 2 Adjustable analogue holders

Tower Drill is an easy and cheap system that makes easier **the lingual drilling and threading of the abutments mounted directly on the analogues.** It can be mounted on all **Artiglio**'s model holder bases and used with either **Artiglio**'s or other milling machines available on the market. **Tower drill** is made up of a steel disc with a vertical column fixed on it. A proper adjustable support, sized on the base of the analogue diameter, slides and can be locked on the column. In the middle of the disc there is an adjustable vertical bearing which gives more stability to the abutment making the drilling proceeding extremely safe and quick. It is supplied complete with two adjustable supports whose dimensions must be specified at order time.

Plaster Setting Systems

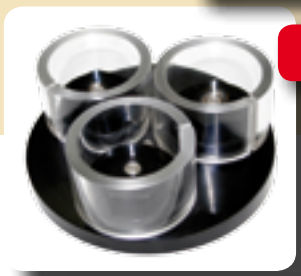
Standard plaster setting system

It is the traditional plaster setting system (ø 80 mm).
Using many AR5, it is possible to keep the insertion of many models.

AR5 Plaster setting plate
AR3 Plaster setting hexagon
AR6 Dam ring

Single plaster setting system

Plaster setting system, of ø 40 mm, for the plaster transfer of the single element (post or abutment).



New

Multiple plaster setting system

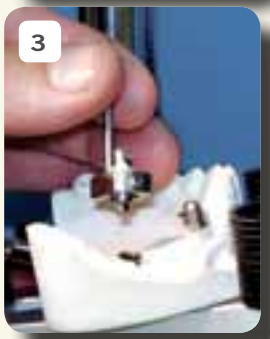
Plaster setting system for the plaster transfer of many elements (posts or abutments). It is available also with six-bladed helix S25/T.

New

Tower Mill

TOWER MILL is a fast and sure system that allows to transfer the abutment to be milled from the master model in a special system to be screwed on any model holder Artiglio.
It guarantees the maintaining of the position and the inclination of the implant replica without provoking the inaccuracies caused by systems too simplified.

Operating procedure



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