

BUKO

HI-TECH EQUIPMENT FOR PRECIOUS MATERIALS

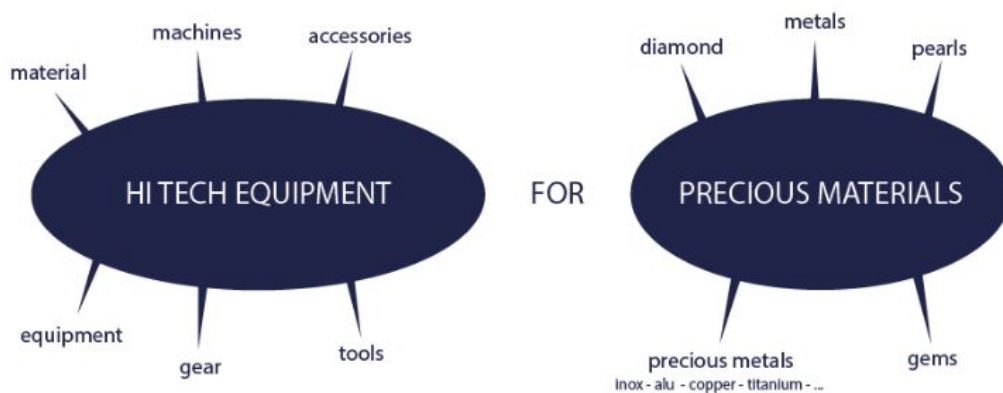
PRODUCT CATALOGUE



WEDDING BAND MACHINERY
DIAMOND MACHINERY
CUSTOMISED PROJECTS
JEWELRY WORKSHOP EQUIPMENT

BUKO NV has more than 35 years of experience in the wholesale and construction of machines in the jewelry sector. The company enjoys both national and international fame.

The mission of the company can be found in the base line.



These 35 years of experience give the advantage that we can develop machines on your demand. Whatever you are looking for and whatever sector your company is active in, we can certainly serve you. We have the necessary engineers and technicians for your machinery or automation project.

Please check our standard range and do not hesitate to contact us for a detailed quotation.

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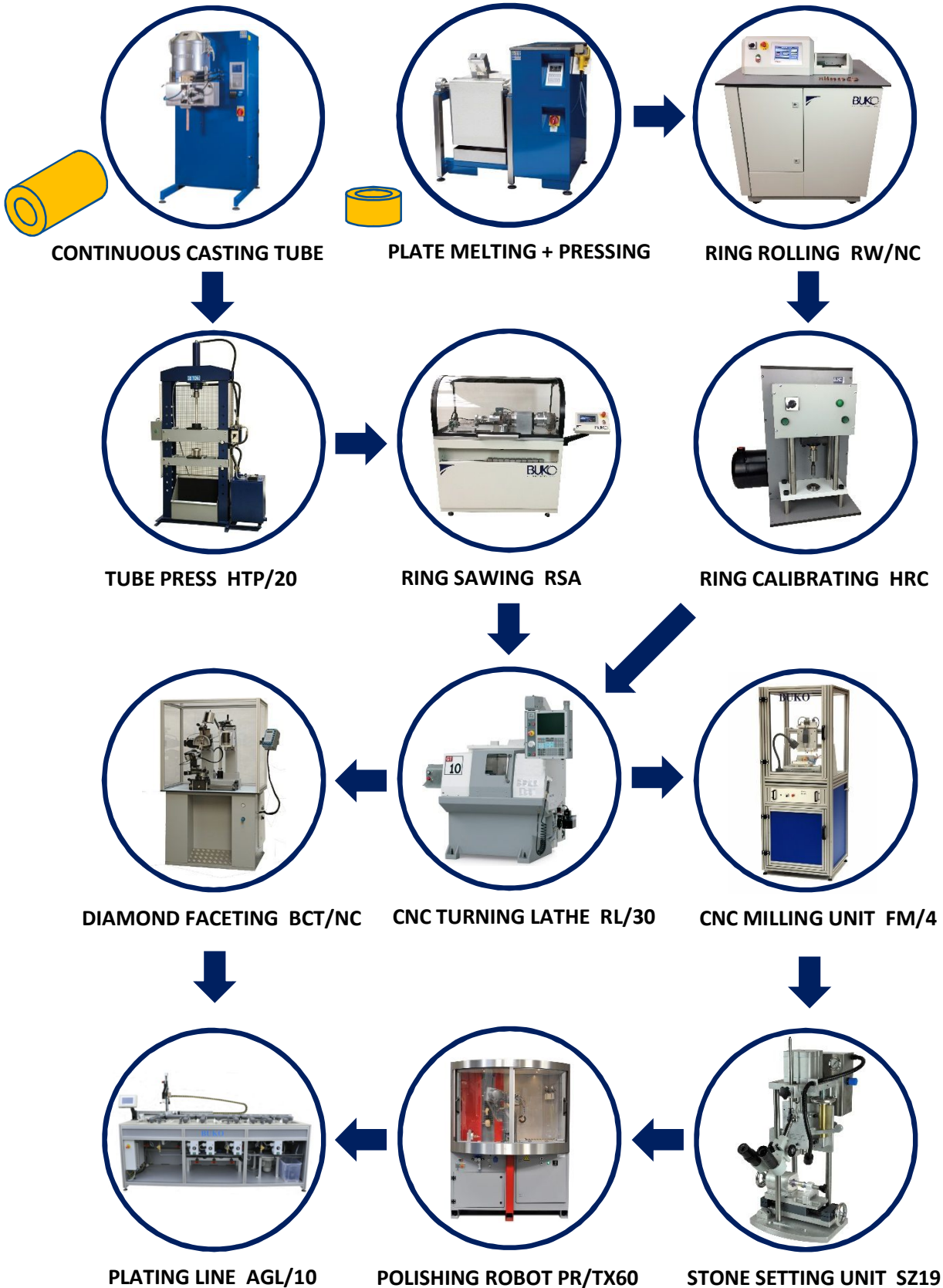
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WAYS TO PRODUCE WEDDING BANDS



This compact machine offers you the possibility to set stones on plate, in tubes and single and double channels with diamonds and synthetic stones.

Main features :

- ⇒ easy to operate, no special graduated people are required
- ⇒ can be used for piece work as well for serial work
- ⇒ fast to operate and with a continuous level of quality
- ⇒ economic price considering the speed of setting





MOD. SZ19/PR-T





Technical information :

- Dimensions : 400 x 230 x 600 mm
- Power supply : 230V 50/60Hz 100 W (110 V on request)
- Compressed air connection needed for SZ19/PR, SZ19/PR-T and SZ19/PR-T-R

SETTING	TOOL	ORDER CODE
<p>Channel set</p> 	 	<p>SZ51 (set of 6 rollers)</p>
<p>Round Bezel set</p> 	 	<p>SZ53/A Standard A : 1,00-1,10-1,20-1,25- 1,30-1,40-1,50-1,60- 1,70-1,75-1,80-1,90- 2,00-2,10-2,20-2,25- 2,30-2,40-2,50-2,60- 2,70-2,75-2,80-2,90- 3,00mm</p>
<p>Square Bezel set</p> 	 	<p>SZ55/A To specify dim. A</p>
<p>Rectangular Bezel set</p> 	 	<p>SZ56/AB To specify dim. A & B</p>
<p>Pavé set</p> 	 	<p>SZ57/ABC To specify dim. A, B & C</p>

<u>Mod.</u>	<u>SZ19/R</u>	<u>SZ19/PR</u>	<u>SZ19/PR-T</u>	<u>SZ19/PR-T-R</u>
				
Channel settings	x	x	x	x
Bezel settings	-	x	x	x
Pavé settings	-	x	x	x
# rollers SZ51	6	6	6	6
# round punches SZ53	3	3	3	3
# pavé tools SZ57	Option	Option	Option	Option
Angle setting	-	-	x	x
Rotation feature	-	-	-	x
Microscope	x	x	x	x
LED light	x	x	X	x
Digital pressure read-out	Option	Option	Option	Option
For precious metal	x	x	x	x
For SS and titanium	x	x	x	x
Collet of rings set	x	x	x	x
Collet of bangles set	Option	Option	Option	Option
Flat table for flat settings	x	x	x	x

Extra tools :

	TOOL	ORDER CODE
<p>Special carbide drills</p> <p>For setting preparation, shaft 3mm</p>		<p>SZ52/A</p> <p>Standard A :</p> <p>1,00-1,10-1,20-1,25-1,30-1,40-1,50-1,60-1,70-1,75-1,80-1,90-2,00-2,10-2,20-2,25-2,30-2,40-2,50-2,60-2,70-2,75-2,80-2,90-3,00mm</p>
<p>Pyramid punch</p> <p>For square or rectangular bezel setting</p>		<p>SZ54/A (square)</p> <p>To specify dim. A</p> <p>SZ54/AB (rectangular)</p> <p>To specify dim. A & B</p>

This machine can set 20 stones per minute in an automatic cycle in a ring or bangle. With a precision of 0.01mm, channel, bezel and prong settings can be done. This PLC controlled machine is unique in the world and has a very good return on investment.

MOD. SZ/AUT

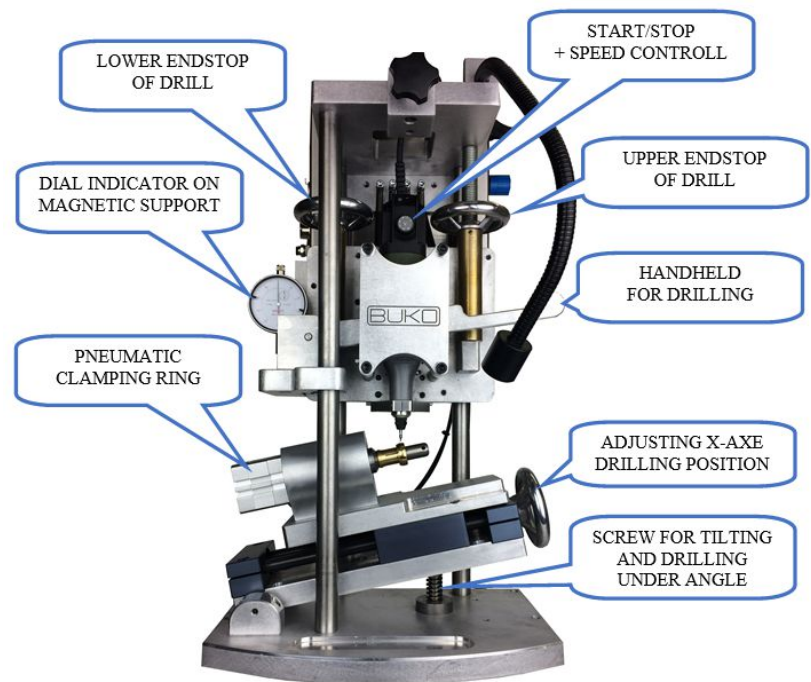


Technical information :

- 7 controlled axes – general precision 0.01/0.02mm
- Stone loader mounted on YZ bridge – precision 0.01mm – capacity 200-1000 stones
 - Vacuum pick up system to load and set stones, built-in vacuum pump
- High definition microscope with centering cross for centering the rings/bangles
- Ring/bangle holder with pneumatic fixing device, controlled rotating axis and decoder
 - Device for channel rollers (with different shapes of rollers)
 - Rotating setting axis for Bezel setting – Pavé in option.
 - Digital pressure controller through touch screen
 - Setting speed : 3 – 15 sec/stone depending kind of setting
 - Dimensions : 1200 x 800 x 1800mm (dust-free cabinet)
 - Power supply : 220/230 V 50/60 Hz single phase
 - Weight : 380 kg
- Pneumatics : 6 bar (oil free)

This drilling unit is the perfect tool to do the preparation of semi-automatic setting. This tool is easy to operate so no special educated people are required. The machine can be used for piece work but also for serial work. The quality is guaranteed at a good speed level.

MOD. DU19/PR-T

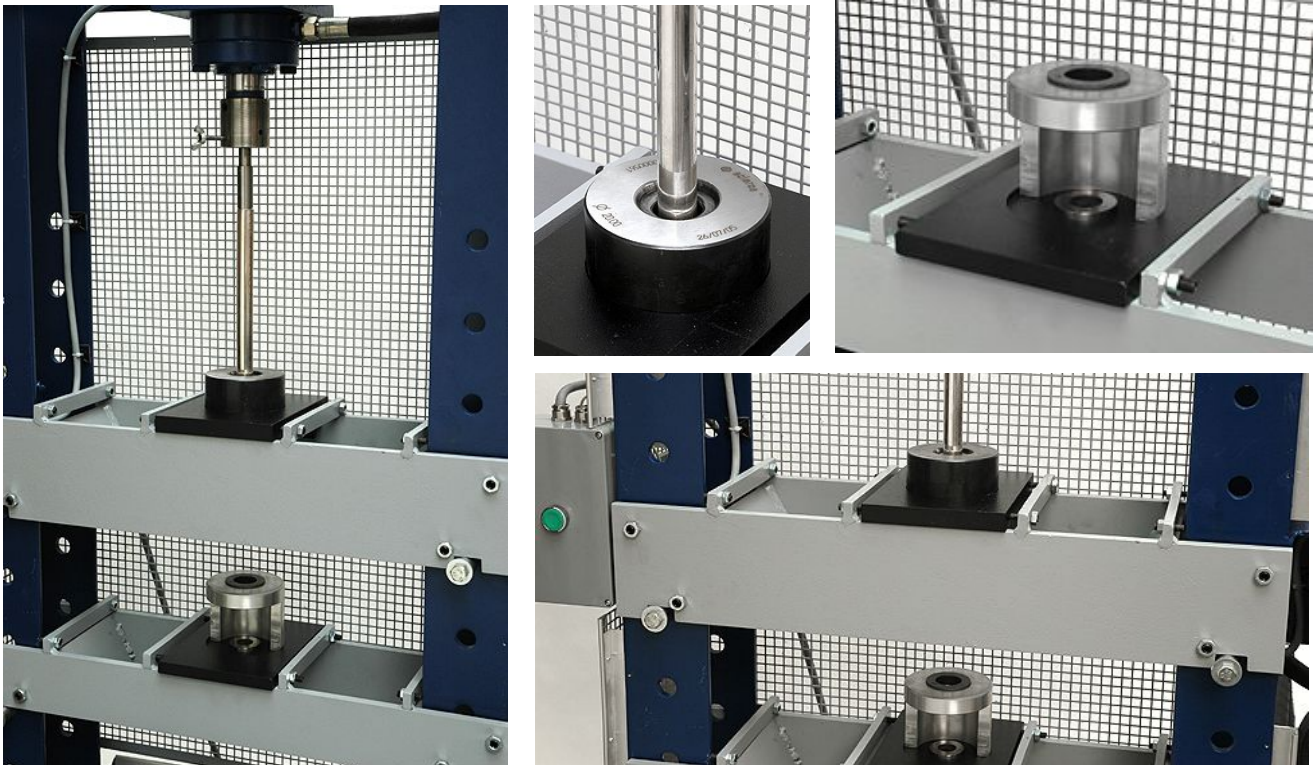


Technical information :

- Microscope 10 x with light
- Dial gauge on magnetic support
- Proxxon brushless drilling motor
- Footswitch to activate the pneumatic fixation of the ring
 - Vertical slide mounted on bearings
- 3 special carbide drills for setting preparation SZ52 (sizes to be confirmed)
 - Timing table to be able to drill on radius surface
 - Dimensions : 400 x 230 x 600 mm
- Power supply : 230V 50/60Hz 100 W (110 V on request)
 - Weight : 90 kg
- Compressed air connection needed

After having casted a rough tube by the continuous casting procedure, the tube must have a mechanical treatment to increase the density of the metal. During this process, we will define the perfect outside and inside diameter by using hydraulic force in combination with carbide dies and inside cores. The standard equipment includes a complete set of tools which covers all tube dimensions : outside diameter 29 to 20 mm and and inside 23 to 14 mm (others upon request).

MOD. HTP/20



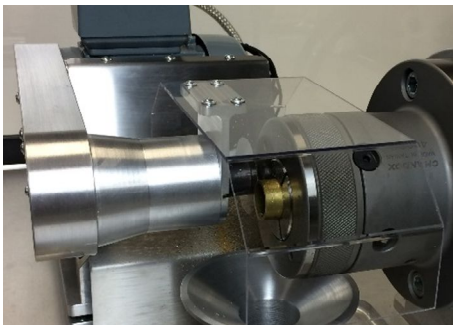
Technical information :

- Dimensions : 1100 x 500 x 2100mm
- Power supply : 380/400 V 3 ph
- Weight : 340 kg

Our PLC controlled tube sawing unit is unique in its kind on the market. This unit is designed to saw ring blanks directly from tubes with a precision of +/-0.05 mm.

Thanks to the unique controller, the operator can easily enter the ring width and number of parts needed.

MOD. RSA/HYD



Technical information :

- PLC controlled with HMI touch screen
- Tube diameter : 16-32 mm (others on request)
- Width input precision : 0.01mm, stepper precision : 0.01mm
- Total blanks precision : +/- 0.05mm, depending on the tube tolerances
 - Sawblade : 63 x 10 x 0.3mm or 50 x 10 x 0.3mm
 - Average cycle time : **25-45** seconds
- Equipped with hydraulic pump and cooling group
 - Weight : 266 kg
- Overall dimensions: 1000 x 700 x 1400mm

OPTION :

Ring collector with 10 baskets



This rolling unit, which works completely automatic, makes it possible to roll stamped rings and rings/bangles made out of tubes to a specified ring size. An internal electronic measuring system is controlling continuously the ring size during the rolling process. All different alloys can be processed with this fabulous unit.

MOD. RW/CNC

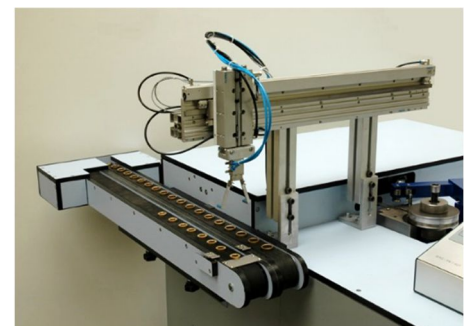


Technical information :

- Electronic measurement : diameter 9.0 mm – 80 mm
 - Dimensions : 1200 x 1000 x 1400 mm.
 - Power supply : 230 V 1800 W
 - Air connection : 6 Bar
 - Pressure power : 57 Nm
- Weight : 314 kg

OPTION :

In/out feeding belts + linear robot arm



This high quality unit makes enlarging rings an easy and simple job. You can define the required ring size thanks to the ring gauge which is installed on the unit.

Enlarging gold, silver, platinum, titanium and stainless steel is no longer a time spending job.

The external and internal cone are made of hardened, rectified steel.

MOD. MRE/1



Technical information :

- Power supply : 400V 3ph (or 230V 3ph) 4A – 230V 2ph 50/60Hz on request
 - Motor : 550W
- Dimensions : 440 x 200 x 520 mm
- Weight : 56 kg

This hydraulic ringcalibrating unit has been created to increase the size of wedding rings (bangles on demand) by hydraulic pressure. The treated rings are not deformed or damaged during the process. The exact size will be obtained by using the available calibers.

MOD. HRC/1 HRC/2



Technical information :

- Hydraulic pressure up to 1.5 ton (HRC/1)
- Hydraulic pressure up to 2.5 ton (HRC/2)
- Oil reservoir of hydraulic pump : 2.5 L
 - Motor : 1 Hp 230V/400V 3ph
 - Available ringcaliber sets :
 - Eur 45- 75 / 45.5 - 74.5
 - US 2 1/2 - 15
 - (other sizes on request)
 - Available bangle caliber sets :
 - 48.9-76.39mm (10 pcs)

MOD. HRC/LIN



Technical information :

- Punches and matrices **on a linear stand**
 - Hydraulic pressure 2 x 1.5 ton
- Oil reservoir of hydraulic pump : 5 L
 - Motor : 1 Hp 230V/400V 3ph
 - Available ringcaliber sets :
 - Eur 45- 75 / 45.5 - 74.5
 - US 2 1/2 - 15

MOD. HRC/C1 HRC/C2



Technical information :

- Punches and matrices **on a rotating disk**
 - Hydraulic pressure up to 6 ton
 - Oil reservoir of hydraulic pump : 50 L
 - Motor : 1 Hp 380V/400V 3ph

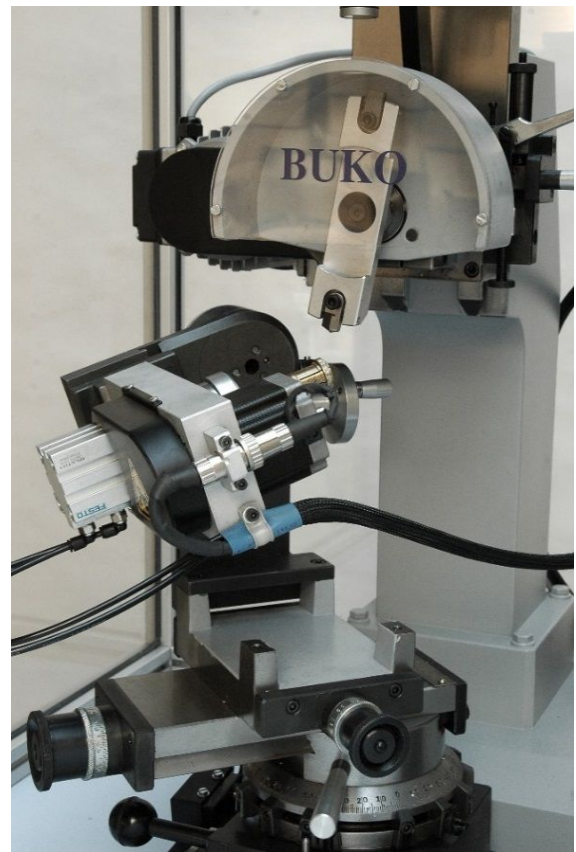
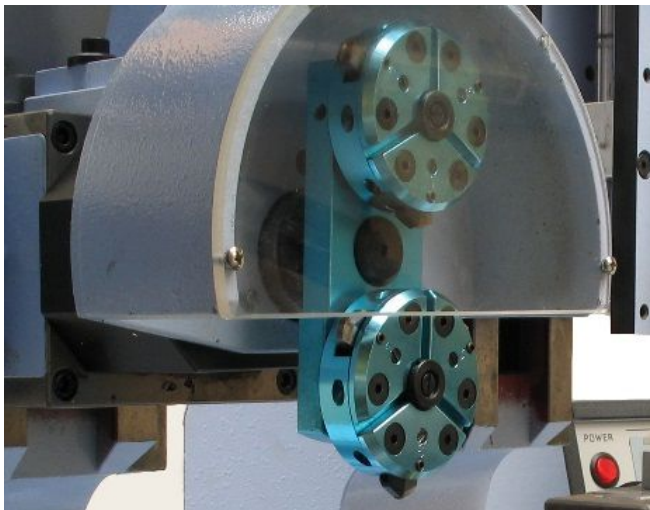
Options :

- HRC/C1 : 31 punches (45-75 by size)
- HRC/C2 : 61 punches (45-75 by halfsize)
- Both types can be made fully automatically by using robotics.

This universal diamond faceting or cutting machine is equipped with a horizontal cutting and a vertical milling head, an electronic dividing device, a D-shaped attachment, a pneumatic clamping system for rings, a revolving toolholder for 1 - 6 tools and a microscope magnification 10x.

Thanks to our unique controlling system, a workcycle can easily be programmed and repeated.

MOD. BCT/CNC



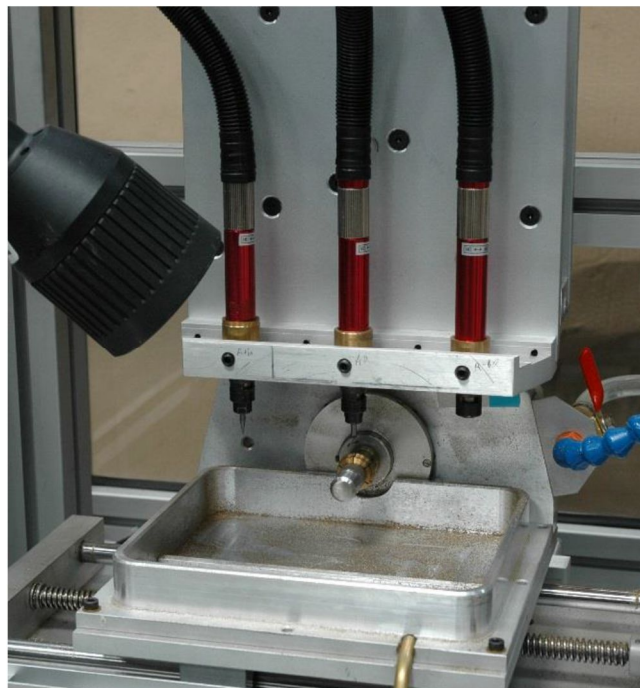
Technical information :

- Dimensions : 1100 x 700 x 1700 mm.
- Weight : 390 kg
- Power supply : 230V 50/60Hz

This economical milling unit is one of the world smallest 4 axes CNC milling machine for rings and bangles. The unit is equipped with 3 high speed pneumatic rotary spindles. The unit has a liquid cooling group. Standard equipment for ring milling is included.

Delivered with CAM software, PC and PC table, easy to program with or without G-codes

MOD. FM/4



Technical information :

- Dimensions : 700 x 700 x 1800 mm.
- Weight : 186 kg
- Power supply : 230V 50/60 Hz

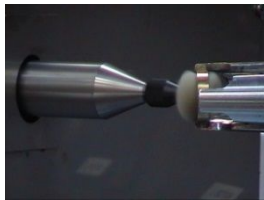
Options :

- Bangle milling
- Flat surface milling

Obtain the best polishing results in the shortest cycle time you can ever imagine with our polishing robots PR/TX60 series. All units can be configured as per customers' demands.

We will study for each project the best and most adequate solution to obtain the best polishing results.

MOD. PR/TX60



Technical information :

- Polishing pressure controller
- Robot arm with controller and standard teach pendant
 - Ring inside or outside gripper
 - Safety case around the complete unit
- Dust suction system with dust recovery filters
 - Ring detection system
 - Strong welded machine base



PR/TX60 B

Basic polishing configuration for rings (inside - outside) :

Machine base with robot arm, pressure controller, pneumatic gripper for inside and outside, toolchanger, 2 angled outside polishing stations, 2 outside stations, 2 inside stations with QC system, holder for 6 QC adaptors dust suction, rotating device, ultrasonic cleaner, air blower, single polishing paste station, single tray loading device for 60 rings, software and teach pendant.

PR/TX60 I



Polishing configuration for inside ring polishing :

Machine base with robot arm, pressure controller, pneumatic gripper for inside, 2 angled outside polishing stations, 2 inside stations fixed, 2 inside stations with QC system, holder for 12 QC adaptors dust suction, rotating device, ultrasonic cleaner, air blower, single polishing paste station, single tray loading device for 60 rings, software and teach pendant.

Also for ideal for watchcrowns

PR/TX60 O

Polishing configuration for outside ring polishing :

Machine base with robot arm, pressure controller, pneumatic gripper for outside, 2 angled outside polishing stations, 4 outside polishing stations dust suction, rotating device, ultrasonic cleaner, air blower, single polishing paste station, single tray loading device for 60 rings, software and teach pendant.



PR/TX60 C

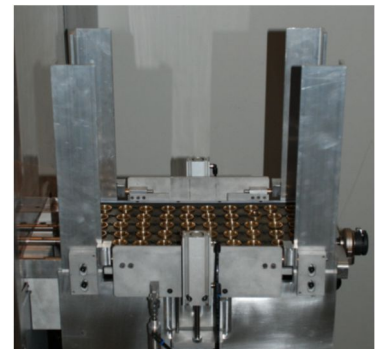
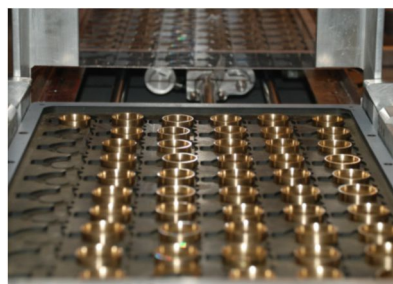


Double polishing configuration for outside and inside ring polishing :

Both units PR/TX60 I and PR/TX60 O are installed in line and connected with each other by a conveyor belt. Both units are extra equipped with a tray loading and unloading device. This configuration increases the production speed by 2!

PR/TX60 OPTIONALS

Automatic tray loading
Unloading device for 6 trays

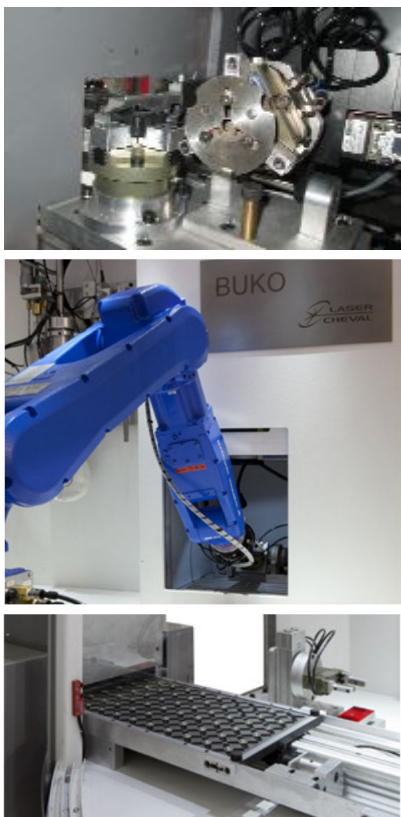


Obtain the best engraving results in the shortest cycle time you can ever imagine with our engraving robots ER/TX60. All units can be configured as per customers' demands. We will study for each project the best and most adequate solution to obtain the best end results.

A standard configuration is always equipped with a sliding door to protect the laser, a robot arm with controller and a standard teach pendant, a pneumatic or vacuum gripper, a safety case around the complete unit, a fume suction system with dust recovery filter and a machine base.

We can help you creating the perfect configuration for your needs.

MOD. ER/TX60



This automatic plating line was constructed to obtain the highest possible quality of plating. All details have been studied and are incorporated in this line : tap water rinsing by shower system, distilled water rinsing, degreasing, neutralisation, rhodium or gold plating and hot distilled water rinsing.

The complete cycle can be easily programmed by the user thanks to our programmable HMI display. The installed robot will follow your commands. Your quality will be a standard, no matter who is operating this unit.



Technical information :

- Dimensions : 2000 x 1000 x 1700 mm (depending the configuration)
 - Weight : +/- 230 kg (depending the configuration)
 - Power supply : 230V 50/60 Hz
 - Max. power consumption : 3.5 Kw
 - Tank dimensions : 290 x 170 x 220mm (10 L)

This Hi-Tech Measuring unit, based on the Hi-Definition Vision (HDV) technology, is used to measure up diamonds upto a precision of 0.01 mm. The standard version can measure stones from 0.65 to 3.00 mm. In a few seconds, you obtain the perfect stone diameter, thickness of the girdle and the total height of the stone. After the measuring process, stones are placed in a XY raster with programable characteristics according to your wishes.

MOD. DMS/7

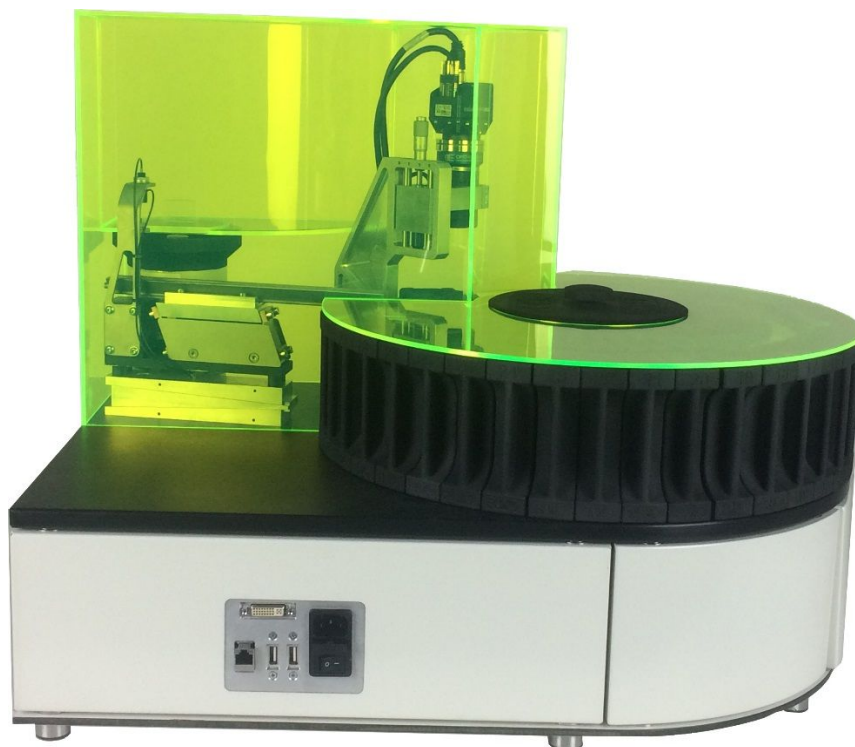


Technical information :

- Dimensions : 800 x 800 x 1800 mm.
 - Weight : 140 kg
- Power supply : 230V 50/60 Hz
- Pneumatic connection : 5 bar

Fast and very accurate optical sieving unit for diamonds. In the standard version the unit measures the diameter of the diamonds and sorts them in 32 programmable bins. With a very high accuracy of 5μ at a speed of up to 10 000 stones per hour. As an option, the height or angles of the stone can be measured with the help of side cameras...

MOD. GEMSORT/10000



Technical information :

- Sorts up to 10 000 stones per hour on diameter
 - In 32 different programable categories
 - Precision of diameter measurement : 5μ
 - Power supply : 230 V
 - Dimensions : 600 x 530 x 2000 mm
- OPTION : side camera's for height/angle measurement

Machine to fill well-plates of Bruker TENSOR II with HTS-XT technology. For round and unpolished diamonds with a stone diameter from 0.6mm to 6mm. Speed is max 3.5 seconds per stone in full operating mode. Stone automatic feeding device with capacity of 10 000 to 20 000 stones, depending on the size. Special vibrating unit for the linear advancement of the stones and special camera for detection of stone presence at the end of the linear advancement and speed reduction system. Special drop and counting unit to ensure a drop of only 1 stone at the time. Rejection system if the drop is more than 1 stone at the time. Machine with 2 controlled axes XY. Anti-static neutralising device (ionised air fan) and interface machine/operator by Beckhoff touchscreen.

MOD. GEMFILL/1200



Information technique :

- Voltage : 230 V 50 Hz 16 Amp.
- Dimensions : +/- 1000 x 500 x 1750 mm
- Weight : +/- 240 kgs

Machine to control if stones, placed in a jewel, are natural or man-made. Detection by Bruker LUMOS FT_IR spectro analysis and diamond type determination. Depending on the size of the jewel +/- 60 jewels can be placed on 1 tray. The machine is equipped with a vertical tray loader for 10 trays. The trays are automatically fed to the pick-and-place position of the robot.

MOD. GemControl BL

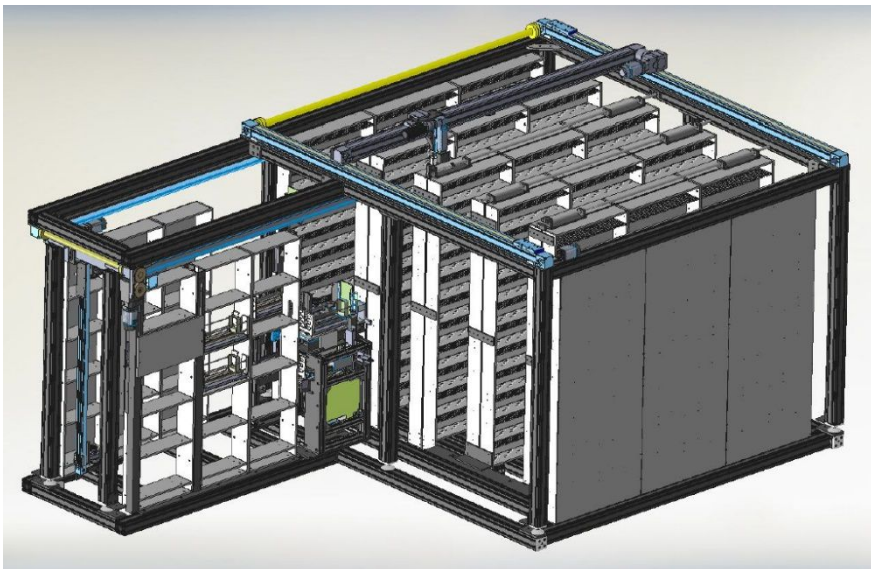


Technical information :

- Electrical connection : 3F -400 V 16A
- Industrial robot arm STAUBLI
 - 3 pneumatic grippers
 - Tool change station for 3 tools
- Sensors on grippers to control jewel presence
- Industrial PC configuration with remote support
- Air pressure connection : 6 bar (dried air)

An automated storage and picking centre with a capacity of approximately 12.000 parcels, made according to your request and available space.

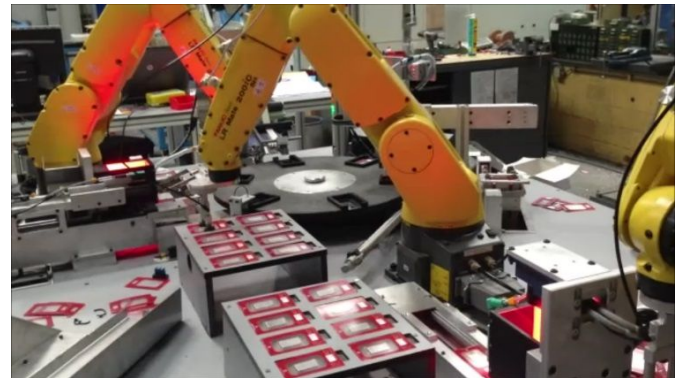
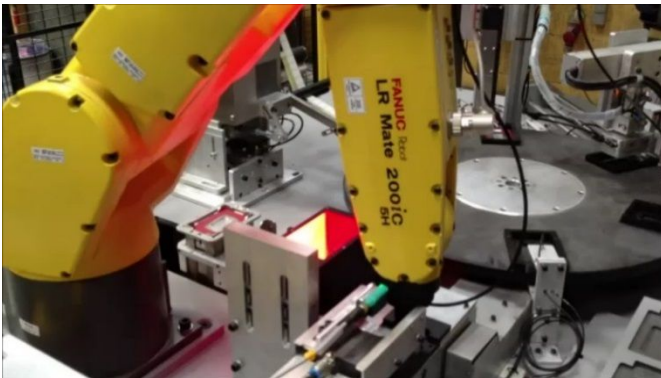
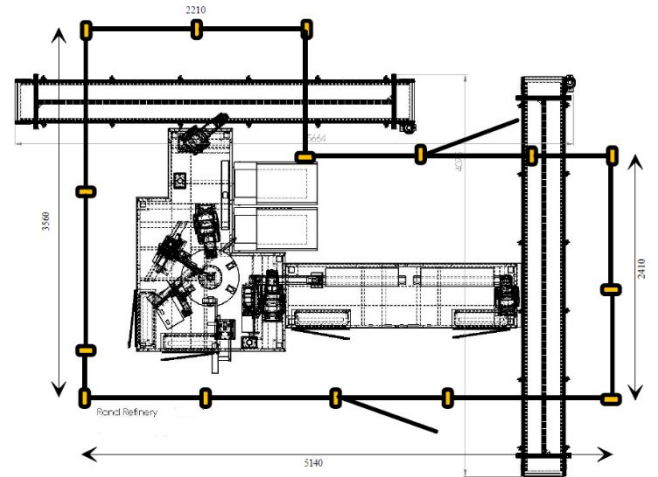
MOD. AUTO/WH



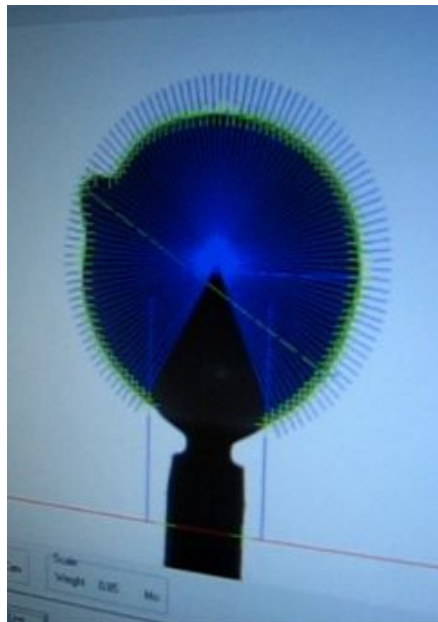
Technical information :

- 1 linear robotic arm for box storage
 - X, Y and Z-axes
 - Rotary axis with position -90° / 0 / +90°
 - Gripper for box movement
 - Station for unloading boxes and storage
 - Station for preparing orders and picking centre
- 1 linear robotic arm for parcel storage
 - X, Y and Z-axes
 - Rotary axis with position -90° / 0 / +90°
 - Pneumatic parallel gripper
 -
- RFID scanner for in/out parcels
- Label printer for parcels
- Ground mounting frame in vault room
- Cabinets on rolling structure to allow service/intervention
- Integrated in existing ERP-software through SQL-server

Full automatic QC and packaging line for minted bars Up to 5000pcs/8h



Full automatic grading unit for pearls



Workbench with central pull out drawer with SS inlay. Drawer mounted on slides and equipped with an end of course stop. Bench pin with large steel holder, high finished drawer bloc, main switch for electrics, 5 electrical connections, off roll protection around the table, electrical height adjustment from 800 to 1200 mm with memory function.

MOD. TTE



Technical information :

- Table top : massive beech
- Dimensions : 1260 x 760 mm
- Dimension drawers : 300 x 210 x 80 mm
 - Weight : 98 kg
- Power supply : 220/230V 150W

Options :

- Sheep leather sheet



Adjustable worktable height by electric command between 800 and 1200 mm. High finished drawer block with 3 drawers with foreseen emplacement for a micromotor and electrical connecting box for 3 CE plugs. Polishing motor with brake. Operating mode by LED touchscreen : adjustable polishing motor speed and adjustable suction power.

MOD. TPE



Work table adjustable in height



Polishing motor block with quick change feature for different buff holders



Filtering chamber with double filter and dust recovery drawer

Technical information :

- Table top : massive beech
- Dimensions : 1260 x 900 X 1400 mm
- Dimension drawers : 300 x 210 x 80 mm
 - Weight : 265 kg
 - Polishing motor : 1 HP
 - Suction capacity : 1360 m³/h
- Power supply : 220/230V 2000W

Full automatic waxinjecting machine which is able to control ALL parameters which are important during the process : the injection pressure, the mould downwards pressure, the vacuum time, the holding time, the mould thickness, the mould temperature, the injection time, the number of pieces and the mould reference.

The system works with the RF/D technology. Chips are inserted inside the mould. For each mould injection parameters will be automatically modified during the process. The height of the WI is adjustable so moulds with different thicknesses can be mixed.

The moulds to be injected are placed on a conveyor and find their way to the waxinjector. The operator only has to remove the wax models from the moulds. The system is controlled by a PLC with touch screen interface.

MOD. WI/RF

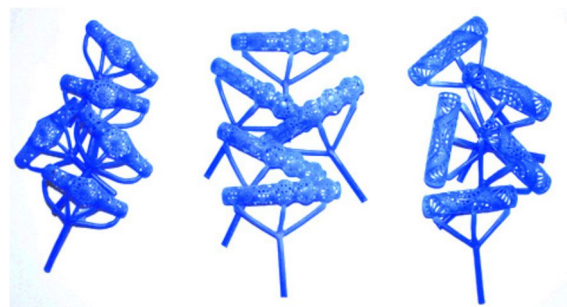


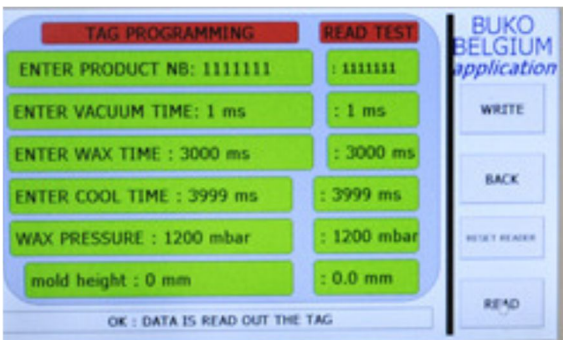
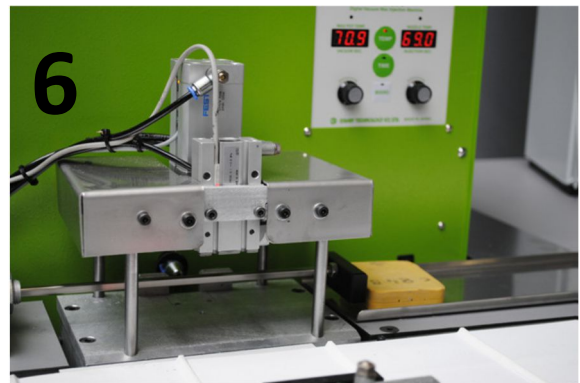
Technical information :

- Capacity : 3000-500 pcs a day (depending on the programmed times)
- Dimensions : 1200 x 800 x 1400 mm

Options :

- Vacuum pump
- Cooling strip to control the mould temperature
- Seperate RFID reader/writer
- RFID tags for vulcanising application + RFID tags to insert in existing moulds





Data saved for each individual mould on RFID tag



The vulcanizing presses are created for the professional user demanding high quality results. The 2 heated plates are controlled by an electronic temperature controller from 20-200°C. They will heat your moulds very accurate to the set temperature.

MOD. VL/HYD



Technical information :

- Hydraulic press of 2 Ton
- Heated plates : 210 x 210 mm
- Gap between plates : 70-0 mm
- Total dimensions : 350 x 600 x 450 mm
 - Weight : 43 kg
- Power Supply : 230V 50/60 Hz- 1800W

MOD. VL/PN



Technical information :

- Pneumatic cylinder of 100mm
- Heated plates : 210 x 210 mm
- Gap between plates : 70-0 mm
- Total dimensions : 400 x 500 x 450 mm
 - Weight : 39 kg
- Power Supply : 230V 50/60 Hz- 1800W

This vacuum casting unit is designed for the professional user. The simplicity of handling this machine was one of the main concerns during the development.

The machine has a powerful vacuum pump and a very strong vibrating vacuum table or investment mixer in combination with a vacuum casting chamber of stainless steel.

This unit will surprise you with its exceptional casting results.

MOD. VCP/P/T



Technical information :

- Dimensions : 900 x 550 x 300 mm.
 - Weight : 36 kg
- Power supply : 220/230V – 800W
- Diameter flask : 65-85-100-125 mm
 - Max height flask : 180mm
- Vacuum pump : 10m³/h with double function (bell + casting)
- Vacuum bell : 250 x 300 mm

MOD. VCP/P/G



Technical information :

- Dimensions : 900 x 550 x 1100 mm.
 - Weight : 48 kg
- Power supply : 220/230V – 1200W
- Diameter flask : 65-85-100-125mm
 - Max height flask : 180mm
- Vacuum pump : 10m³/h with double function (mixer + casting)
- Vacuum investment mixer : standard 2 L
(4L on request)

This UV curing unit is suited for post-curing of 3D printed parts or UV sensitive glue.

Wave length UV-light 405nm

MOD. CU/01



Technical information :

- Clock for setting curing time
- On/off switch and start button
- Inside mirror plates to diffuse the UV light
- Power supply : 230V 50/60Hz - 100W
- Dimensions : 300 x 300 x 340mm

This unit is used to eliminate most of the wax tree inside an invested flask by steam. Due to the humidity that is caused by the steam, the investment obtains a nice and a smooth surface around the wax articles. Due the limited temperature, the flask can be placed without problem inside the burn-out furnace without the risk of damaging the investment characteristics.

MOD. DW/300



Technical information :

- Dimensions : 800 x 700 x 900 mm
 - Weight : 77 kg
- Power supply : 230V 50/60 Hz 1900 W

This machine is perfect for cleaning casting trees. Due to the fact that only high pressure water is used, there can be no damage to the casted objects. The machine is equipped with a foot switch for opening the electrovalve. By this feature, the two hands are free.

The machine is completely made of stainless steel. The machine is equipped inside with lighting, a water rinsing system for the window and a pair of rubber gloves.

The lower part of the cleaning unit is constructed as a shrank.

MOD. CC106B

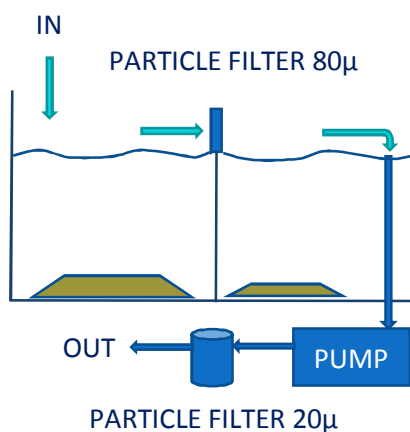


Technical information :

- Power supply : 230 V 50/60Hz
 - Power : 2.3 kW
 - High pressure pump : 2.2Hpv
- Overall dimensions : 1700 x 800 x 600mm.
- Inside dimensions : 550 x 700 x 500mm.
 - Weight : 84 kg

These handwash sinks (1, 2 or 3 basins) are completely manufactured in stainless steel. By installing this sink in your workplace, you will decrease drastically your loss of precious materials and have a very fast return of investment. There are many purposes : washing hands, cleaning equipment and pieces loaded with precious materials, recuperation of small particles in ultrasonic baths, ...

A double incorporated sink with filter in cotton for the retention of dirt (blocked between the 2 sinks), an automatic evacuation pump with probe in stainless steel and an extra outlet of 20 micron, guarantee a perfect recuperation of the smallest metal particles. The retention sinks are assembled with welding in stainless steel (without seals in silicone).



MOD. LAV/1



MOD. LAV/2



Technical information :

- Faucet mixer (cold/warm/mixed water)
- Valves ½" under for cleaning the sinks
- Flexible tube for the connection to the water network for used water (more flexibility towards the height of the water evacuation)
 - Pump debit : 35 liters /minute
 - Max pression : 6 bar
 - Corrosion-resistant cast iron pump
- Power supply : 230V - 50/60Hz - 500W
- Available standard versions :
 - LAV/1 695 x 605 x 1000/1250mm
 - LAV/2 995 x 605 x 1000/1250mm
 - LAV/3 1295 x 605 x 1000/1250mm
 - LAV/4 1595 x 605 x 1000/1250mm
- Without pump, only by gravity :
 - LAV/1G 695 x 605 x 1000/1250mm
 - LAV/2G 995 x 605 x 1000/1250mm
 - LAV/3G 1295 x 605 x 1000/1250mm
 - LAV/4G 1595 x 605 x 1000/1250mm

These series are ideal for polishing articles with fine details and parts which are hard to reach such as hollow items, filigree, chains, hidden structures, ...

These units are perfect alternatives for electrolytical polishing units.

MOD. MP/200



Technical information :

- Diameter tank : 200 mm
- Max diameter pieces : 65mm
- Needle capacity : 200 g
- Power supply : 230V 50/60Hz 300W

MOD. MP/300



Technical information :

- Diameter tank : 300 mm
- Max diameter pieces : 95mm
- Needle capacity : 400 g
- Power supply : 230V 50/60Hz 800W
- Adjustable speed regulation

This unit with double rotating axes allows to use several interchangeable tumblers at the same time. Each tumbler can contain another product, e.g. for polishing, for prepolishing, for grinding,...

MOD. PT/L250



Technical information :

- Available tumblers : 2-6-9 L (not included)
 - 2L : dia 250 x 160mm
 - 6L : dia 250 x 160mm
 - 9L : dia 250 x 210mm
- For **max 250mm** tumbler width
- Power supply : 230V 50/60 Hz 350W
 - Speed : 46 rpm

MOD. PT/L500



Technical information :

- Available tumblers : 2-6-9 L (not included)
 - 2L : dia 250 x 160mm
 - 6L : dia 250 x 160mm
 - 9L : dia 250 x 210mm
- For **max 500mm** tumbler width
- Power supply : 230V 50/60 Hz 350W
 - Speed : 46 rpm

Our professional polishing tables have their proper characteristics such as their important suction capacity (1430m³/h), reduced noise (60dB), compact dimensions and the their price.

The health of the user and the preservation of a clean working space were our main targets in the development of these machines.

MOD. TP/1



Technical information :

- Dimensions : 900 x 700 x 1270mm
- Power supply : 230V 50/60Hz - 400W

Options :

- Adjustable suction regulation
- Extra sound reduction mats in frame

MOD. TP/2



Technical information :

- Dimensions : 1100 x 700 x 1270mm
- Power supply : 230V 50/60Hz - 400W

Options :

- Adjustable suction regulation
- Extra sound reduction mats in frame

Our polishing boxes differ from other models by their very strong extraction force, their reduced noise production, their compact sizes and their price.

The health of the user and the cleanness of the environment were our main targets in the development of these machines. A polishing motor of 3000 rpm is built in.

MOD. PB/1



Technical information :

- Extraction force : **720** m³/h
- Dimensions : 600 x 400 x 400 mm
 - Weight : 43 kg
- Power Supply : 230V 50/60 Hz- 600W

MOD. PB/D



Technical information :

- Extraction force : **980** m³/h
- Dimensions : 900 x 550 x 400 mm
 - Weight : 67 kg
- Power Supply : 230V 50/60 Hz- 900W

Option :

- Speed regulation on polishing motor

This units are designed for the polishing of flat surfaces. Thanks to the felt disks/wheels you get spectacular results.

A plexy cover protects the user against the ejection of pieces .

MOD. HP/150



Technical information :

- Table top version
- Power supply : 230V 50/60 Hz 300 W
 - Motor : ½ Hp 3000 rpm
- Split wheel diameter up to 150mm 6"
 - Air inlet for dust collector

MOD. HP/200



Technical information :

- Floor mounted : 700 x 700 x 1100 mm
- Power supply : 230V 50/60 Hz 800 W
 - Motor : ½ Hp 3000 rpm
- Split wheel diameter up to 200mm 8"
- Built-in suction system and dust collector

This unit has been constructed especially for jewelers and small workplaces which are in need to plate occasionally some pieces. This unit is absolutely not suitable for plating a lot of pieces at once. This unit is equipped with cathode movement, a digital read out of the voltage and 5 recipients of 1 liter each.

Applications : degreasing, rhodium plating, gold plating, silver plating,...

MOD. MG/1



Technical information :

- Dimensions : 600 x 180 x 220 mm.
- Weight : 16 kg
- Power supply : 230V 50/60 Hz

Small table top unit for punching wedding bands and flat items. Logos or sign are inserted by using a rotating punch in one single operation. By using this unit, you avoid damaging the jewel.

The roll punches are made upon customers request.

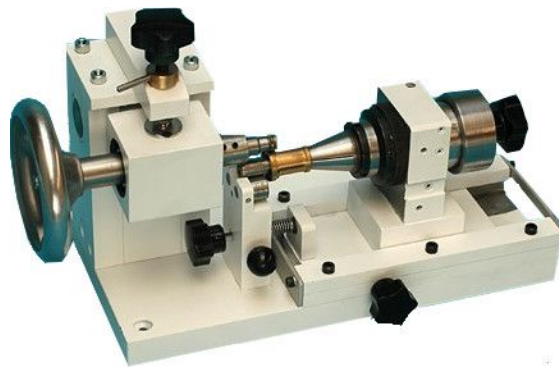
MOD. RP/RI



Technical information :

- **ROTATING INSIDE** ring punching unit
- Dimensions: 200 x 200 x 240 mm
- Weight : 14 kg

MOD. RP/RO



Technical information :

- **ROTATING OUTSIDE** ring punching unit
- Dimensions : 300 x 200 x 240 mm
- Weight : 21 kg

MOD. RP/SI



Technical information :

- **STANDARD INSIDE** ring punching unit
- Dimensions: 100 x 600 x 100 mm
- Weight : 0.5 kg

A very compact and versatile tool. Due to its compact design, the tool fits perfectly in your hand. The tool is activated by pushing a miniature button on the side of the turbine.

The turbine has a fixed speed of 15000 rpm and holds disks upto a diameter of 25 mm. Depending on the thickness of the wheel, the disk can be positioned higher or lower to reach the turbine top level.

Delivered with power adaptor 220V to 12V.

MOD. SL/25



Options :

- SL25-1 : single turbine with adaptor
- SL25-2 : single turbine without adaptor
- SL25-3 : multi adaptater to connect 3x SL25
- SL25-4 : stand to hold upto 3 turbines with adaptor



Practical and handy melt table with extraction and integrated lighting. There is side and back protection against welding sparks and spatters. The table surface consists of a refractory stone of 60 by 50 cm. Everything is made of stainless steel.

MOD. ST/1



Technical information :

- Power supply : 230 V 270 W
- Dimensions : 600 x 530 x 2000 mm
- Suction capacity : 440 -645 m³/h , 3 steps
- Connection to air channel with diam. 150mm

ENGINEERING OFFICE

CAD design for the full project (Solidworks)
Analysis and execution of the workcycle
CAM execution of the plans
Electric, pneumatic and hydraulic schemes (Eplan)

PROGRAMMATION



Control software (PC environment)
PLC programming (Beckhoff)
Robot programming (Stäubli, ABB)
Vision programming



HARDWARE

CNC turning and milling of parts
Assembly and application of the wires is done in our work place
Functional test of installation

HANDLING

Delivery and installation
Training operators

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Blue power/Indutherm : the specialist in induction heating technology
Otec : polishing and deburring machinery
Siro Lasertec : the new generation lasers for welding and engraving
Lampert : compact micro welding machines



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