



BULUNMAZ

BALL & BEAD CNC



3D PRINTER



CASTABLE RESINS



MICROMOTOR



FACETING MACHINE



COLOR CNC



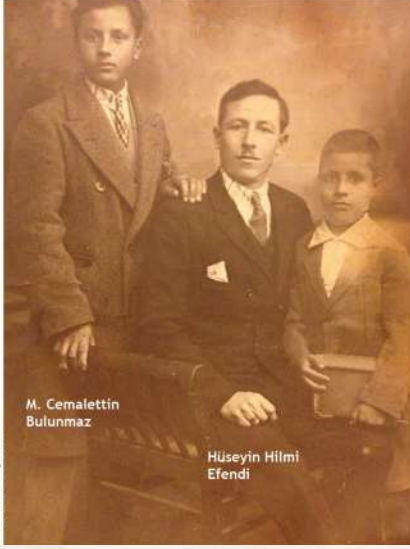
DIAMOND TOOLS

PASSION FOR PRECISION

PRECISION
PRECISION



BULUNMAZ



SAN FRANCISCO, 2014



Bulunmaz in the market

With a passion for precision, we proud to be the industry leader on diamond tools for jewellery. We love to invest on development. We work hard to make our clients happy and make them feel a part of our family.

We keep learning, developing, expanding and rounding the world to bring the newest technologies to your door.

MILESTONES

Established as a local trading company in Fatih district of Istanbul by *Huseyin Hilmi Efendi* **1916**

Moved to Beykoz district as a metal trading company by *M. Cemalettin Bulunmaz* **1955**

Moved back to Grand Bazaar district and restructured to a jewellery workshop by *Hilmi Bulunmaz* **1977**

Restructured as a diamond tool company and focused on the field 1982

Started exporting diamond tools **1987**

First appearance in Istanbul Jewellery Show (Taskisla) **1992**

Bought one of the leading diamond tool manufacturing companies and started production in large scale (Leipzig, Germany) **2003**

Started global marketing by Cemal Bulunmaz with first appearance in international exhibitions (Kiev, Ukraine) **2004**

First office abroad (Kostroma, Russia) **2006**

First appearance in major jewellery exhibitions as Vicenza, Basel, Las Vegas, Hong Kong **2010**

Bought a machine manufacturing company and started supplying high precision - low cost CNC machines (Istanbul, Türkiye) **2011**

First office in Middle East region (Tebriz, Iran) **2014**

First office in Asia region (Penang, Malaysia) **2015**

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► 50.000 rpm electric

Even better than the 60.000 rpm model, you can just go with 50.000 rpm one. It's our best seller model because of its great performance / price values.

It is designed tough and gives the result in any conditions. From hottest to coldest countries, even where the electricity persistence is poor, our best seller 50.000 rpm diamond cutting machine is used successfully.

Just go to our website to watch 50.000 rpm diamond cutting machine in action and see its detailed photos.

► 35.000 rpm electric



35.000 rpm machine is the lifeboat of diamond cutter.

If you are not sure about what you want, but still want to try diamond cutting just go with that low cost option.

TECHNICAL CHART OF HAND MACHINES

	50.000 rpm.	45.000 rpm.	35.000 rpm.
Max. Speed	50.000 rpm.	45.000 rpm.	35.000 rpm.
Brush	Brushless	Brush	Brush
Sensor	Sensorless	-	-
Volt	110/230V	110/230V	110/230V
WATT	350W	120W	70W
Max Current	3A	3A	2A
Max Torque	7.0 N.cm	4.5 N.cm	2.8 N.cm
Pins	4 Pins	3 Pins	3 Pins
Box Size	26x23.5x18.5	26x23.5x18.5	24.5x24x9
Box Weight	4 kg.	3.8 kg.	2.5 kg.



► 45.000 rpm electric



Here is the newcomer to our product line. The new 45.000 rpm machine gives you performance of high speed and low cost of brush type models

► 80.000 rpm pneumatic point machine



Max. Speed	80.000 rpm.
Working Pressure	6,5 kg/cm ²
Air Consumption	0,31 CFM
Sound dBA	82 dBA
Vibration	4,2 m/s ²
Shank	3mm (1/8")

Pneumatic point machine is the new and magic solution to use our newcomer point tools. With that machine, you will have the advantage of angle head and the high speed of 80.000 rpm.

You can basically catch us at any exhibitions or our local offices world-wide and try it now.

All you need to run the 80.000 rpm pneumatic point machine is a middle size air compressor.

Check out our website for the videos of that magic machine in action.



► 70.000 rpm pneumatic



Here is the old way of diamond cutting by hand. Pneumatic diamond cutting machine is now brought you by the quality of Bulunmaz sign and high working speed of 70.000 rpm.

Max. Speed	70.000 rpm.
Working Pressure	6,5 kg/cm ²
Air Consumption	0,30 CFM
Sound dBA	83 dBA
Vibration	4,4 m/s ²
Shank	3mm (1/8")

► Hammering machine pneumatic



Blows/Min.	15.000/min.
Working Pressure	6,5 kg/cm ²
Air Consumption	0,28 CFM
Sound dBA	79 dBA
Vibration	4,4 m/s ²
Shank	3mm (1/8")

Another old way of diamond cutting, made by hammering machine. That high quality machine with steel components and high precision manufacture, lets you use it in peace for long years.

Just check our hammering tools in the next pages of your catalog to see the rich variety of the diamond tips.

The strenght is adjustable on hammering machine and you can easily change the connection plug depending on the model of your air compressor.





► TOOL SETS

If you don't know where to start, you can just get one of our tool sets with a price advantage and start diamond cutting immediately.

The starter tool set comes with 36 pieces of most popular tools including rich variety of diamond tools, background tools, the legendary rainbow tools and a few of point tools, plus our best seller 50.000 rpm diamond cut machine.

After you advance with the starter tool set, you can just go on specializing on the tools you are interested; diamond, background, point or others...

► MINI TOOL



1/140° mini
1/180° mini
1/3-line mini

► HAND TOOL (Head = 9mm)



1/140°
1/180°
2/120°
2/130°
2/140°



2/150°
2/160°
2/180°
3/180°



1/CV (convex)
2/CV (convex)
2/CC (concave)
2/4-line
2/5-facets

► HAMMER HEAD



2/140° H=15
2/180° H=15
3/150° H=15

► EMERY BACKGROUND



Emery Cylinder
Emery Wheel
Emery Fan

► DIAMOND PLATED BACKGROUND



Conic
Straight
Wheel
Cylinder

► CARBIDE BACKGROUND



T1 Background
T4 Background
0.50 Background



+ machine

► POINT TOOL



Small Point
Medium Point
1.5mm CNC Point
2/3-line

► PCD BACKGROUND



2/140° PCD (Long)
2/4-line PCD

► 50.000 RPM Diamond Cutting Machine





► Starter's Tool Kit

36 most popular diamond tools + 50.000 rpm diamond cutting machine.
Best solution for an easy start. Includes diamond tools, background tools,
point and mini tools.

TOTAL
36
TOOLS

+ machine

► Background Tool Set

Background tools for surface finishing
with the set discount

► Mini Tool Set

Most popular 8 tools with
the minimum cost

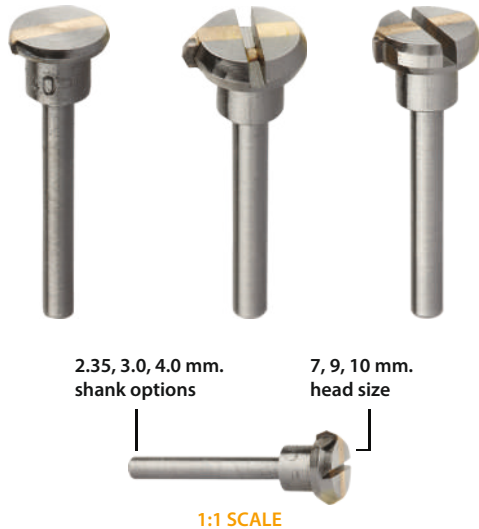
TOTAL
8
TOOLS

+ machine

TOTAL
20
TOOLS

+ machine

► HAND TOOL / STANDART



Hand tools are the most popular application of diamond cutting. It is widely used on bangles, bracelets, pendants and rings.

A rich variety over 300 models gives endless opportunities to the users. Flexible use by hand lets the users to be creative without borders.

1 / 120°
HS - 1120



1 / 140°
HS - 1140



1 / 180°
HS - 1180



2 / 120°
HS - 2120



2 / 130°
HS - 2130



2 / 140°
HS - 2140



2 / 150°
HS - 2150



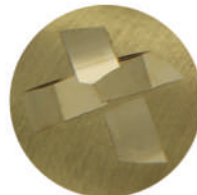
2 / 160°
HS - 2160



2 / 170°
HS - 2170



2 / 180°
HS - 2180



2.5 / 180°
HS - 2580



3 / 130°
HS - 3130



3 / 140°
HS - 3140



2 / 180°
HS - 3180



4 / 180°
HS - 4180



► HAND TOOL / FANCY



There is always more. We are proud to be the company offering widest variety of hand tools on earth.

From the day you start to experience our hand tools, you will need more and more of variety. That is what you can definitely find out here. Convex, concave, lining, facets and many other fancy shapes are waiting for you in stock. Do not forget to catch us at any exhibitions world-wide, to see the newest fancy tools.

0.5 / CV
HS - 4050



1 / CV
HS - 4100



2 / CV
HS - 4200



1 / CC
HS - 5050



2 / CC
HS - 5200



1 / 4L
HS - 6140



2 / 4L
HS - 6240



3 / 6L
HS - 6360



1 / 5F
HS - 7150



2 / 5F
HS - 7250



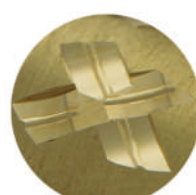
3 / 5F
HS - 7350



TYPE 49A
HS - 8149



TYPE 51
HS - 8051



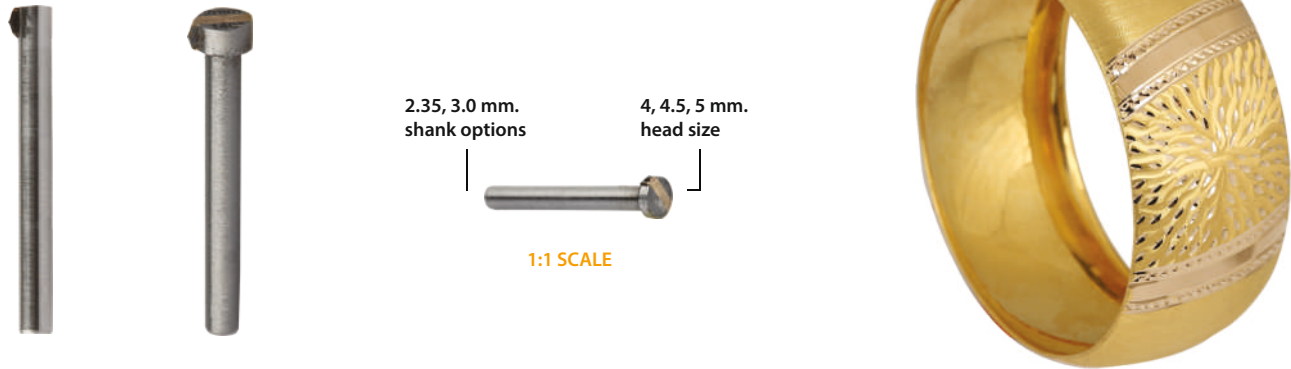
TYPE 55
HS - 8055



TYPE 61
HS - 8061



► MINI TOOL



On production line today, users really often face challenging ornaments. Sometimes small, sometimes complicated and mostly too thin.

Hand tools with micro and mini head let users to cut on even the smallest surfaces. With trying one of them, you will be surprised how precise you can work on any ornament. The good news is, any sizes and shapes are available on micro / mini tools

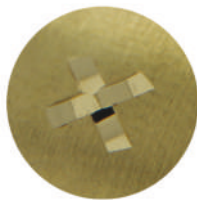
1 / 120°
HM - 1120



1 / 140°
HM - 1140



1 / 180°
HM - 1180



2 / 120°
HM - 2120



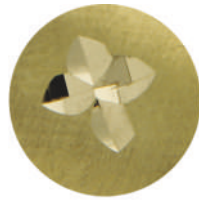
2 / 130°
HM - 2130



2 / 140°
HM - 2140



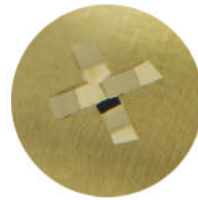
2 / 150°
HM - 2150



2 / 160°
HM - 2180



2 / 170°
HM - 0580



2 / 180°
HM - 6250



1 / CV
HM - 4100



2 / CV
HM - 4200



2 / CC
HM - 5200



1 / 3L
HM - 6130



2 / 4L
HM - 6240



► HAMMER HEAD TOOL



Beside the small, thin ornaments - we often have products that we need to cut really big, really deep.

You can basically use hammer head tools in such conditions. They cut wide and pretty long thanks to its long head size. Basic head sizes are varied from 15 to 25mm but you can just place an order with even bigger sizes.

Hammer head tools are especially great with thick ornaments in gold, silver, brass, copper and even aluminium.

1 / 180° H=15
HH - 1181



1.5 / 180° H=15
HH - 1581



2 / 130° H=15
HH - 2131



2 / 140° H=15
HH - 2141



2 / 150° H=15
HH - 2151



2 / 180° H=15
HH - 2181



2 / 180° H=20
HH - 2182



3 / 130° H=20
HH - 3131



3 / 140° H=20
HH - 3141



3 / 140° H=20
HH - 3142



3 / 140° H=25
HH - 3143



3 / 150° H=25
HH - 3151



3 / 160° H=25
HH - 3161



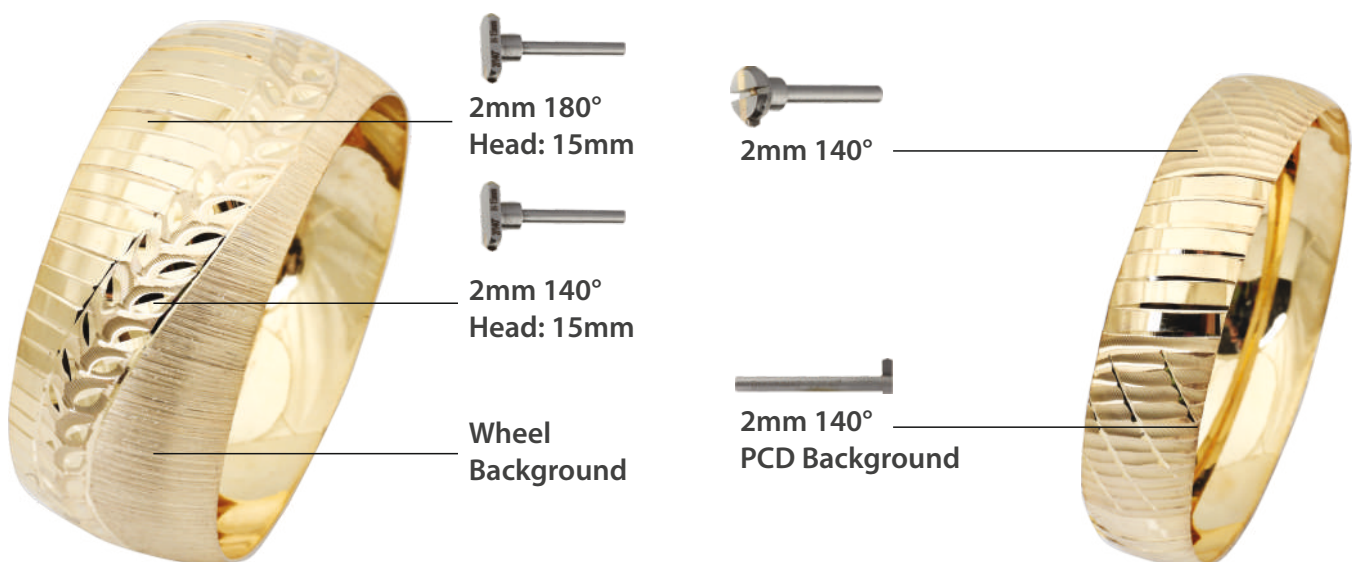
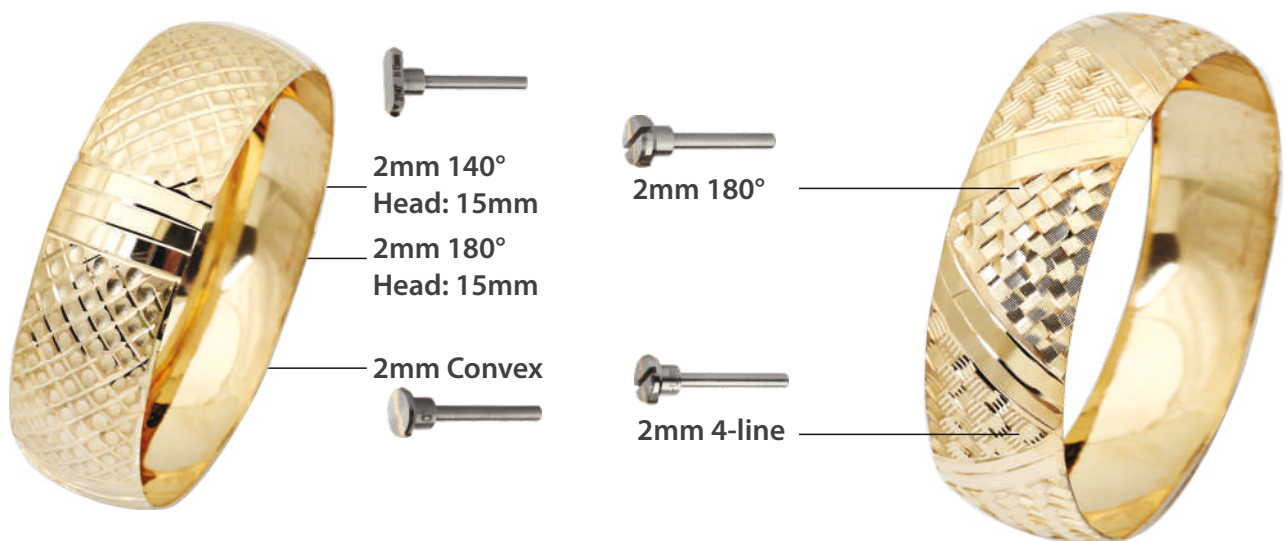
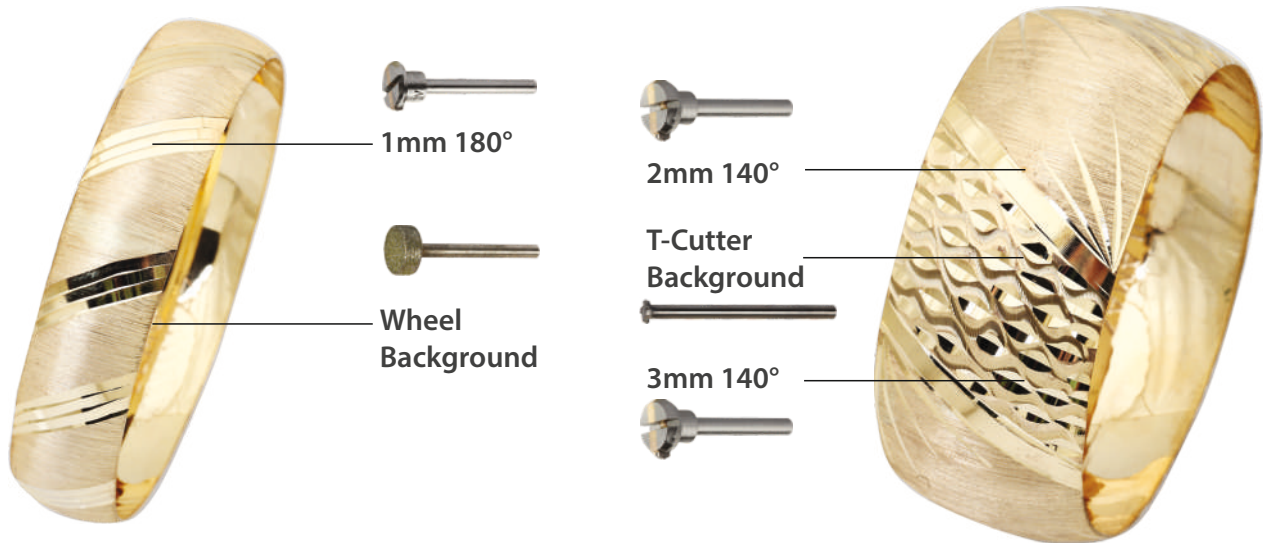
3 / 180° H=25
HH - 3182



3 / 180° H=25
HH - 3183



► HAND TOOLS FOR STRATCHING



► POINT TOOL



Bulunmaz point tools, with the variety of diverse models options can be used both in cnc machines and also hand engraving machines

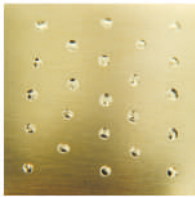


Today, many manufacturers experience our point tools with a great variety. The 80.000 rpm pneumatic point machine makes the things even easier.



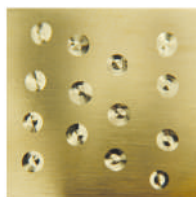
SMALL

HP - 0001



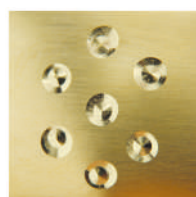
MEDIUM

HP - 0002



BIG

HP - 0003



0.75 CNC POINT

HP - 0010



1.0 CNC POINT

HP - 0011



1.5 CNC POINT

HP - 0012



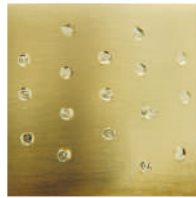
2.0 CNC POINT

HP - 0013



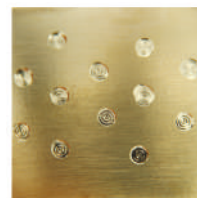
1 / 3L

HP - 0020



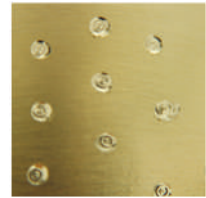
1.5 / 3L

HP - 0021



2 / 2L

HP - 0022



2 / 4L

HP - 0023



2.5 / 3L

HP - 0024



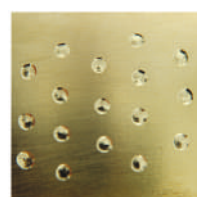
2 / 3L

HP - 0025



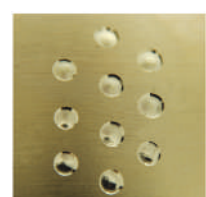
1.0 / BALL

HP - 0030



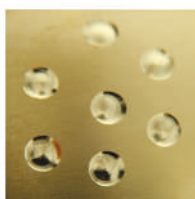
1.5 / BALL

HP - 0031



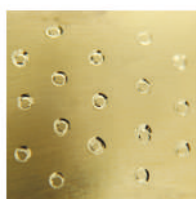
2.0 / BALL

HP - 0032



0.75 CIRCLE

HP - 0040



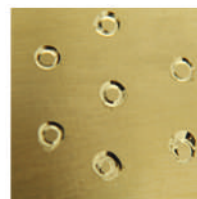
1.0 CIRCLE

HP - 0041



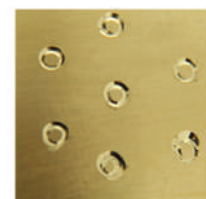
1.5 CIRCLE

HP - 0042



2.0 CIRCLE

HP - 0043



2 / 140° PCD HB - 1240 	2 / 150° PCD HB - 1250 	2 / 160° PCD HB - 1260 	2 / 180° PCD HB - 1280 	2 / 140° PCD (LONG) HB - 1241 
1 / CV PCD HB - 1104 	2 / CV PCD HB - 1204 	3 / CV PCD HB - 1304 	2 / 4L PCD HB - 1206 	3 / 6L PCD HB - 1306 
2 / 140° PCD (BIG) HH - 3143 	CONIC HB - 2100 	MINI BALL HB - 2200 	BALL HB - 2201 	STRAIGHT HB - 2300 
ELIPS HB - 2101 	THIN WHEEL HB - 2410 	WHEEL HB - 2400 	CYLINDER HB - 2500 	EMERY WHEEL HB - 3100 
EMERY CYLINDER HB - 3200 	U.T CYLINDER HB - 3300 	0.2 LINE / SMALL HB - 4201 	0.2 LINE / MEDIUM HB - 4202 	0.2 LINE / BIG HB - 4203 
0.50 LINE / SMALL HH - 3143 	0.50 LINE / BIG HH - 3151 	T1 HH - 3161 	T4 HH - 3182 	GRAND WHEEL HH - 3183 

► HAMMER PIN

American Type



British Type



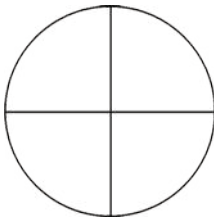
Hammering is an old way of texturing on metal in jewellery industry. Today, you can use the tools with high quality, precision and the variety with Bulunmaz hammering technology.

From 4 to 16 facet options of hammering pins give you chance to have smooth or rough texturing on your ornaments.

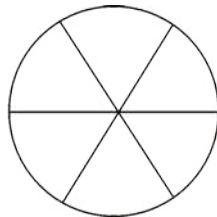
You can use the hammering machine manufactured with Bulunmaz quality. It comes with steel components and adjustable strenght of air.



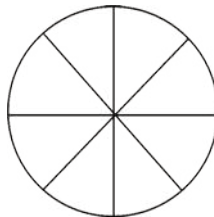
4 Facets
Rough cut with
thick dost



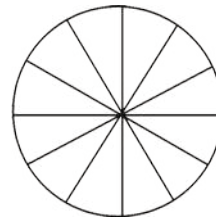
6 Facets
Medium cut



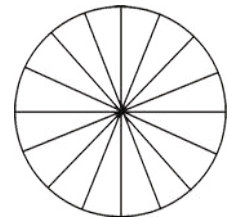
8 Facets
Standart cut
(Regular size)



12 Facets
Thin cut



16 Facets
Smooth cut



► DIAMOND CUT BOX

Totally solated diamond cut box with integrated LED light. You will love its compact design.

If you are not able to order it to us, you can simply ask for the sizes and order your local manufactuzrer.



► RAINBOW COLOUR MACHINE

Utilizing ultrasonic vibrations, Rainbow Machine allows you to leave colorful patterns on your jewelry:



- Operation based on ultrasonic power allows you to create rainbow-like colour engraving effect on your jewelry
- 5 different diamond tools for different patterns
- With 3 different modes (G-P-E) to generate very delicate ultrasonic vibrations in order to work on different patterns. In addition, the machine provides speed options between 0-15
- Automatic frequency tracking to ensure that the machine always works with the optimal frequency to provide a steady result
- Safe and comfortable use thanks to its high-standard LED design and pedal system



TECHNICAL SPECIFICATIONS:

Power Supply Input	220-240V > 50Hz/60Hz > 150mA
Main Unit Input	24V > 50Hz/60hz > 1.3A
Output Tip Vibration Frequency	28kHz $\pm$ 3kHz
Output Power	3W to 20W
Main Unit Fuse	T1.6AL > 250V
Power Supply Fuse	T0.5AL > 250V
Weight of Main Unit	0.65 kg
Operation Mode	Continuos Operation
Working Conditions:	
Environment Tempreature	+5°C to +40°C
Relative Humidity	30% - 75%

► HAND ENGRAVER MACHINE

ENGRAVER AND MICROMOTOR-ALL IN ONE HAND



The Hand Engraver is a compact, electric engraving system designed for fine detail work, stone setting, and precision carving. Unlike most pneumatic tools, it requires no air compressor — making it ideal for small studios, designers, and stone setters looking for convenience and control.

Complete with a mini micromotor and intuitive stroke control, this engraver delivers powerful and responsive performance across various materials.

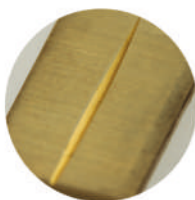
- **Fully electric** : no compressor required
- **Stroke range**: 240 to 2400 impacts/min
- **Micromotor speed**: up to 35,000 RPM (torque 2.8 N.cm)
- **Works on gold, silver, copper, steel & more**
- **Excellent for jewelry engraving and stone setting**

TECHNICAL SPECIFICATIONS:

Dimensions and Weight:	24 x 13 x 18.5 cm, 5 KG
Power input:	100–240 VAC 4.2 A 50/60 Hz
Graver Speed:	0–60%
Graver Strokes:	240 to 2400
Micro Motor speed:	35000 RPM
Micro Motor Torque:	2.8 N.cm
Packaging Box:	37 x 29 x 31.5 cm
Gross Weight:	9 KG



Passion for precision



2/75°
Available 60° to 110°



120°
1 to 5mm



0.5/180°
Available 0.2 to 0.5mm



1/180°
1 to 1.9mm

► MACHINE TOOL



DIAMOND MACHINE TOOLS

Without any doubt, machine tools are the core of diamond cutting. More than half a century ago, it was invented in Switzerland and spread to the world with the rise of Swiss diamond cutting machines.

The president of Bulunmaz Diamond Tools, Mr. Hilmi Bulunmaz prouds to be the first person who met and used Swiss diamond cutting machines in Turkey.



PCD (poli - carbon) TOOLS

Today, Bulunmaz offers you the best quality, the best precision and a huge variety of quality options from A to Z.

Our legendary stock of machine tools give us chance to serve our clients mostly faster than they can imagine.

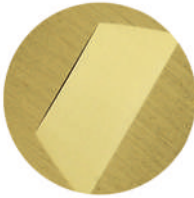
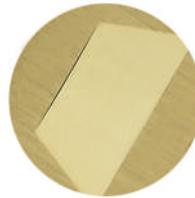
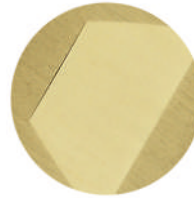


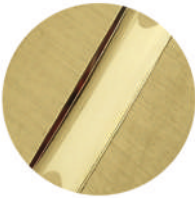
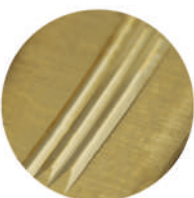
CARBIDE TOOLS

Bulunmaz machine tools quality codes:

- BAS (basic)
- ECO (economy)
- STD (standard)
- PRO (professional)
- LUX (luxury)
- MON (mono-crystal)
- VAC (vacuum brazed)
- PCD (poli-carbon diamond)
- CAR (carbide)

*Check our website to see the comparison chart of codes.

130 ° 1 to 5mm 	140 ° 1 to 5mm 	150 ° 1 to 5mm 	160 ° 1 to 5mm 	170 ° 1 to 5mm 
2 / 180 ° 2 to 2.9mm 	3 / 180 ° 3 and 3.5mm 	4 / 180 ° 4 to 4.9mm 	5 / 180 ° 5 and 5.5mm 	6 / 180 ° 6 to 12mm 

0.5 / CV 0.3 to 0.9mm 	1 / CV 1 to 1.9mm 	2 / CV 2 to 2.9mm 	1 / CC 0.4 to 1mm 	1.5 / CC 1.1 to 1.9mm 
2 / CC 2 to 2.9mm 	3 / CC 3 to 3.9mm 	4 / CC 4 to 6mm 	2 / 5F 1 to 4mm 	1 / 3L 3 to 6 lines 
1.5 / 3L 3 to 6 lines 	2 / 4L 3 to 10 lines 	2 / 6L 2 to 8 lines 	2 / 8L 2 to 10 lines 	3 / 3L 3 to 12 lines 
3 / 4L 3 to 15 lines 	3 / 6L 3 to 15 lines 	3 / 8L 3 to 15 lines 	4 / 12L 4 to 20 lines 	6 / 15L 6 to 30 lines 
Double CC 1 to 4mm 	V- Flat 1 to 4mm 	2mm TYPE 49a 1 to 4mm 	3mm TYPE 49a 1 to 4mm 	TYPE 50 1 to 4mm 
TYPE 52 1 to 4mm 	TYPE 55 1 to 4mm 	TYPE 61 2 to 4mm 	TYPE 63 2 to 4mm 	TYPE 65 1 to 4mm 

► DIAMOND TOOLS for LATHE MACHINE

Use our machine tools on your lathe machines to get eternal lines. With incredibly wide variety of our tools, you will get endless designs on wedding bands.

Follow www.bulunmaz.com for the latest designs.



0.3 / 180°



2 / CV



3 / CV



0.5 / CC



3 / 3CC



1 / 3 - Line



1 / 4 - Line



2 / 5 - Facet



3 / 4 - Facet



1 / V - Flat



2 / Type 50



2 / Type 53a



2 / Type 62



4 / Type 62



2 / Type 63



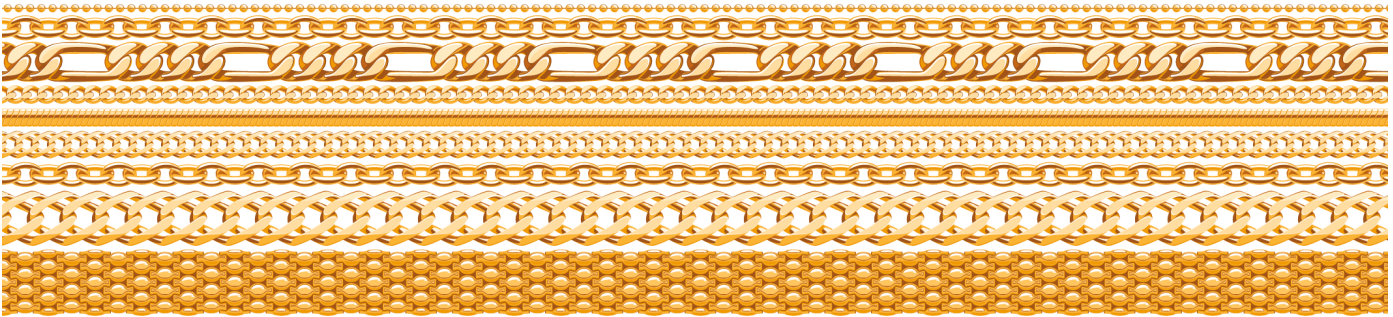
► CHAIN TOOL



Today, chains are a very important part of jewellery industry. Especially because of the quantities are extremely high and the profits are going down each day, the chain manufacturers need the best quality with lowest rates possible.

We understand the idea of chain manufacture and work hard to reach the standards of world-wide manufacturers. From Singapore to Mexico, Turkey to Russia, we keep in touch and keep the relations more than alive. We follow up with chain machine manufacturers and do our best to deliver the new technologies and developments to our clients.

Beside side cutting tools with several angles for left and right cutting, we also offer the mini tools, tools with long body and different tools depending on different machine manufacturers, for ice lathe. Even special design tools with high precision values are always welcome as orders.



► DISK TOOL

Disk tools are a part of chain manufacture. We also offer a wide range of them. Even that unusual tools of chain manufacture, are always in our stock with most sizes. Disk tools are also used with sheet cutting machines today for line cutting and surface finishing.



► LATHE TOOLS



INSIDE LATHE TOOL | DIAMOND, PCD AND CARBIDE



INSIDE LATHE TOOL | SQUARE SHAPE TOOL BODY



PCD LATHE TOOL | FOR WEDDING RINGS



LATHE TOOL | FOR ICE LATHE

Lathe tools are widely used for inside, outside and side cutting of wedding rings and bangles

Beside wedding rings and bangles, they can be used on most round shape ornaments.

The diamond lathe tools let the user get mirror-like shine. With natural or laboratory made mono-crystal diamond options, you can find the best solution for your manufacture.

PCD (poli-carbon diamond) and carbide tool options exist for rough and low cost lathe.

Special design orders are always welcome.



We give extra importance on orders with special tool body and diamond sizes. As the special orders come with extremely high precision requests, we take care much more than mass product on tools.



Whatever brand of manual or CNC machines you have, even whatever products you are producing from jewellery to aerospace, watches to aluminium spare parts, mobile phones to contact lenses, we are ready, eagerly waiting for your special orders.

We know very well that only your most complicated orders move us for ahead.



► MAGIC WHEEL

PLATED NANO DIAMONDS

“Magic wheel” is the magic newcomer for wedding ring manufacturers.

You can basically hold the magic wheel by your hands and apply it on the wedding bands or even bangles running on your lathe machine.

Magic wheel is produced with plated real diamonds on it! That gives a unique shine comparing to similar technologies available. As they are plated with high tech baths, they stay there until they finish.

Just do not forget to steam clean your rings if you will apply diamond cut !



► MILLGRAIN

Beside the magic wheel, you can also use millgrain tool with your lathe machines also on wedding rings and bagles.

Each millgrain come with different size and shape on it. Soon in 2015, a detailed catalog of millgrains with tool and wedding ring sample photos will be published on our website and as an extra printed catalog.

PRECISELY GRINDED CARBIDE

Use millgrains to turn the boring plain rings into new, fresh ideas.



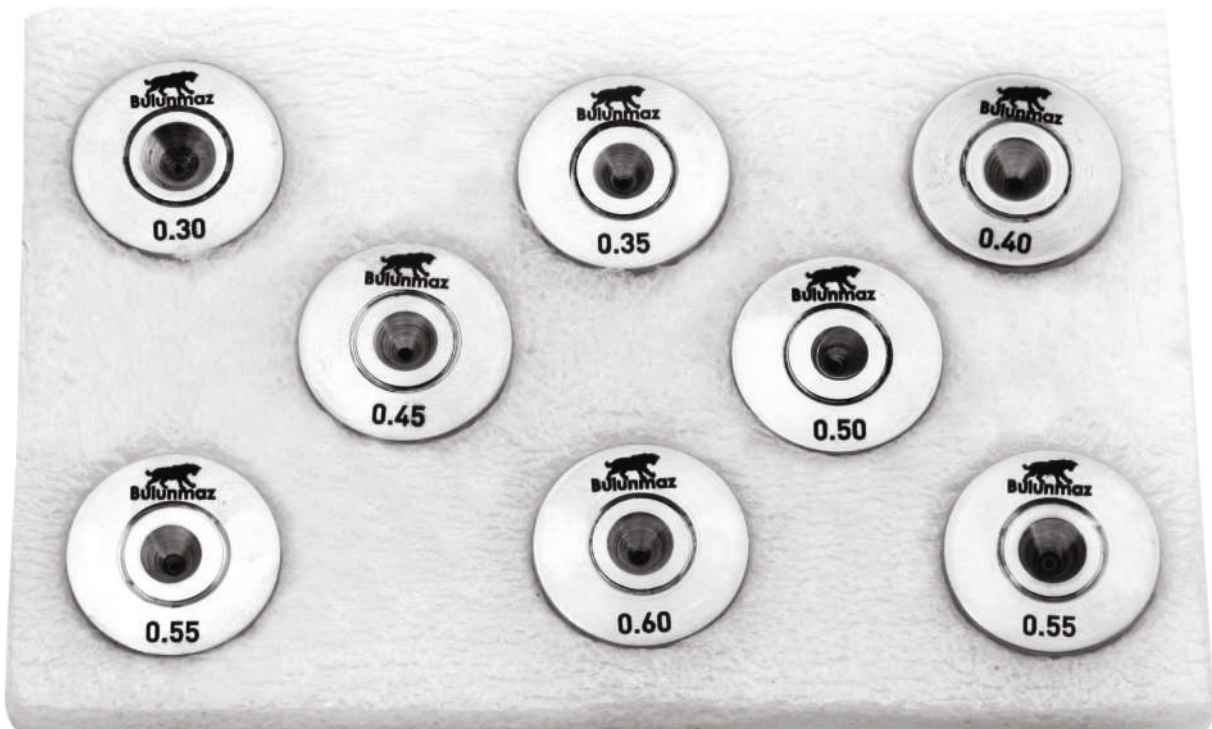
► WIRE DRAWING DIES



Natural diamond wire drawing dies are produced in our factory with the highest technology and precision machines.

Sizes start from 0.05mm and goes up to big sizes as 2.00mm.

Discover today the unique shine and long life-time of diamond drawing with Bulunmaz Wire Drawing Dies.



► MILLGRAIN



Baklava



Line



Slash

Millgrain can be used with your lathe machines on wedding rings and bangles. Each millgrain comes with different size and shape on it.

TECHNICAL SPECIFICATIONS:

Weight	0,12 kg
Type	Line, Slash, Baklava
Wheel Width	0.8 mm, 1.0 mm, 1.2 mm



Line



Slash

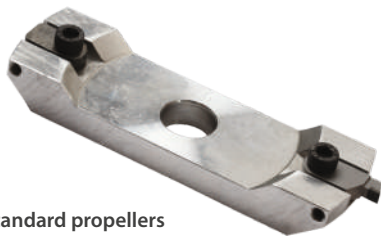


Baklava





► PROPELLERS



Standard propellers from 10 cm. to 25 cm.

The propellers are an important part of diamond cutting. With a simple change of propeller, you can get a totally different effect with diamond cut. Just check our propeller catalog to meet new ideas of various propellers.

Standard propellers come usually between 10-15 cm sizes. With choosing a bigger size propeller, you can just have extremely long cut on the ornaments, as the small ones let you have tiny cuts.

M n cut propellers



By using the round cut propellers that you can see on the right side, you can cut continuous, long cuts on round objects as wedding rings or bangles. Soon, you will be able to see on our website the detailed product samples and videos of the propellers in action.



Round cut propeller for wedding rings



Round cut propeller for bangles

► CNC LINE



Join today's advanced CNC technology with us. Our high precision CNC tools let you manufacture your jewellery at the highest value possible.

You can use our CNC line tools for engraving, writing, designing and even just side cutting.

CNC point, ball, circle and other fancy tools give you chance to make punching in different shapes on your wedding rings, bangles, sheets and other ornaments.

BALL



0.10 LINE



0.20 LINE



0.30 LINE



0.40 LINE



0.50 LINE



0.60 LINE



0.70 LINE



0.80 LINE



1.00 LINE



1.50 LINE



2.00 LINE



3.00 LINE



► POINT | BALL | CIRCLE | LINING for CNC



Pont

0.10 POINT



0.20 POINT



0.30 POINT



0.40 POINT



0.5 POINT



1.0 POINT



1.5 POINT



2.0 POINT



Ball



0.5 BALL



1.0 BALL



1.5 BALL



2.0 BALL



Circle



0.5 CIRCLE



1.0 CIRCLE



1.5 CIRCLE



2.0 CIRCLE



Lining



1 / 3 LINE



2 / 3 LINE



2 / 4 LINE



3 / 3 LINE



► CNC BACKGROUND TOOLS



T1 Mini
CB- 1403



T1 Thick
CB- 1405



T2 Mini
CB- 2405



T4 Mini
CB- 4403



T4
CB- 4405



T4 Thick
CB- 4406



T4 Double
CB- 4445



T4 160°
CB- 4805



T1 180°
CB- 1403



T4 V-Flat
CB- 1403



► CNC BACKGROUND TOOLS



T4 CV
CB- 4905



T4 CV 90° / 140°
CB- 4945



T4 CV 90° / 160°
CB- 4965



T6
CB- 6405



T8
CB- 8408



T12
CB- 9409



T1 0.50
CB- 1058



T6 0.50
CB- 6055



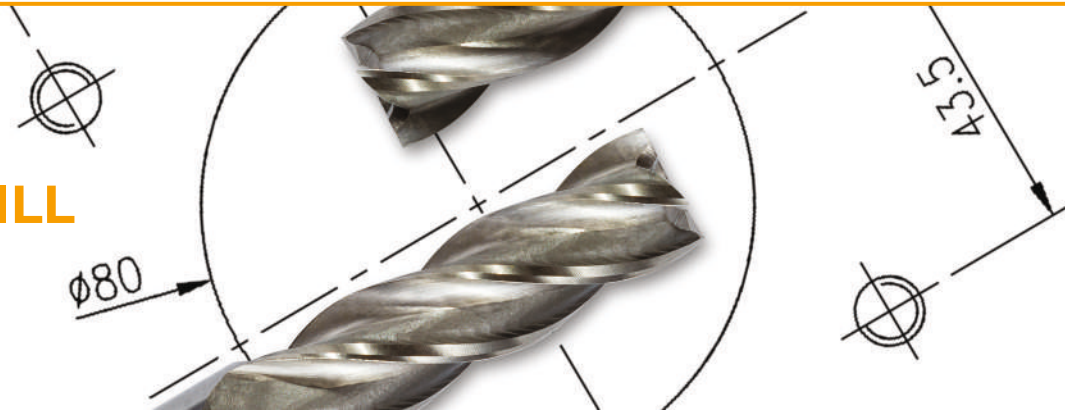
PCD
CB- 1408



PCD Big
CB- 1412



► END MILL



End mills for engraving

End mills are widely used in many industries. With the rise of CNC machines in jewellery, they also arrived to our industry.

You can just pick our small size end mills from 0.40mm up to 1mm for engraving of wedding rings or cutting of sheet pendants and spare parts. You can use the big sizes as 1mm, 1.5mm or 2mm for engraving or cutting of bangles.

The end mills usually come with 2 blades (flutes) and a standard tip length of 1 or 1.2mm.

You can always place special orders with your specific sizes.



Size	Lenght	Shank	Total Lenght	Blades
0.40	0.50	3.0	40	2
0.50	0.50	3.0	40	2
0.50	1.00	3.0	40	2
0.60	0.50	3.0	40	2
0.60	1.00	3.0	40	2
0.70	1.00	3.0	40	2
0.70	1.20	3.0	40	2
0.80	1.20	3.0	40	2
0.90	1.20	3.0	40	2
1.00	1.20	3.0	40	2
1.00	1.50	3.0	40	2
1.25	1.50	3.0	40	2

Size	Lenght	Shank	Total Lenght	Blades
1.50	1.50	3.0	40	2
1.50	2.00	3.0	40	2
1.75	2.00	3.0	40	2
2.00	2.00	3.0	40	2
2.75	2.00	3.0	40	2
3.00	2.00	3.0	40	2
0.40	0.50	4.0	40	2
0.50	0.50	4.0	40	2
0.50	1.00	4.0	40	2
0.70	1.00	4.0	40	2
0.80	1.00	4.0	40	2
1.00	1.00	4.0	40	2

► BALL NOSE



Ball nose cutter for 3D work

Ball nose cutters are mostly used on 3D design. You can engrave casting models or any other special 3D designs directly on gold, silver or other soft metals with ball nose cutters.

Ball nose cutters are also widely used on steel mold making which is an important process of jewellery manufacture. If you are one of the advanced companies who manufactures its own steel molds, just check our different variety of ball nose cutters.

In case you are into steel molds, do not forget checking our 35.000 rpm electric micro motor or 70.000 rpm pneumatic air grinder which are used on final finishing of the molds after CNC machine process.



Size	Lenght	Shank	Total Lenght	Blades	Radius
0.40	2.00	3.0	40	2	0.20
0.50	2.00	3.0	40	2	0.25
0.50	3.00	3.0	40	2	0.25
0.70	3.00	3.0	40	2	0.35
0.80	3.00	3.0	40	2	0.40
1.00	3.00	3.0	40	2	0.50
1.00	5.00	3.0	40	2	0.50
1.25	5.00	3.0	40	2	0.62
1.50	5.00	3.0	40	2	0.75
2.00	5.00	3.0	40	2	1.00
2.50	5.00	3.0	40	2	1.25
3.00	5.00	3.0	40	2	1.50

Offers for stamp makers



35.000 rpm micro motor
for surface finishing of steel moulds
Comes with 2.35mm and 3mm shank

70.000 rpm
pneumatic
grinder

For grinding
and finishing
of stamps



► DRILL BIT

You can directly open stone places on your wedding rings or other ornaments with drill bits.

They usually come with 90° standard type. You can also order different sizes and angles.

With using drill bits, you can basically open stone places with precise sizes and minimum effort of design.

Drill bits are made of special alloys best for soft metal drilling and they come with a standard shank of 3mm.

Most popular stone sizes come as 1mm, 1.25mm and 1.5mm.



Size	Lenght	Shank	Total Lenght	Blades
0.25	3.00	3.0	40	2
0.50	3.00	3.0	40	2
0.75	3.00	3.0	40	2
1.00	3.00	3.0	40	2
1.25	3.00	3.0	40	2
1.50	3.00	3.0	40	2
1.75	3.00	3.0	40	2
2.00	3.00	3.0	40	2
2.25	3.00	3.0	40	2
2.50	3.00	3.0	40	2
2.75	3.00	3.0	40	2
3.00	3.00	3.0	40	2

► GRAVER

Graver tool is widely used on small scale CNC machines. As they do not really require precision, any type of machines can be run with these tools.

Standard degrees varies as 30°, 40° and 50°. Any other degrees can be produced depending on orders.

Graver tool comes with a flat surface on the tip of the tool to help the cut shine and avoid breaking. 0.10 and 0.20mm sizes are mostly preferred.

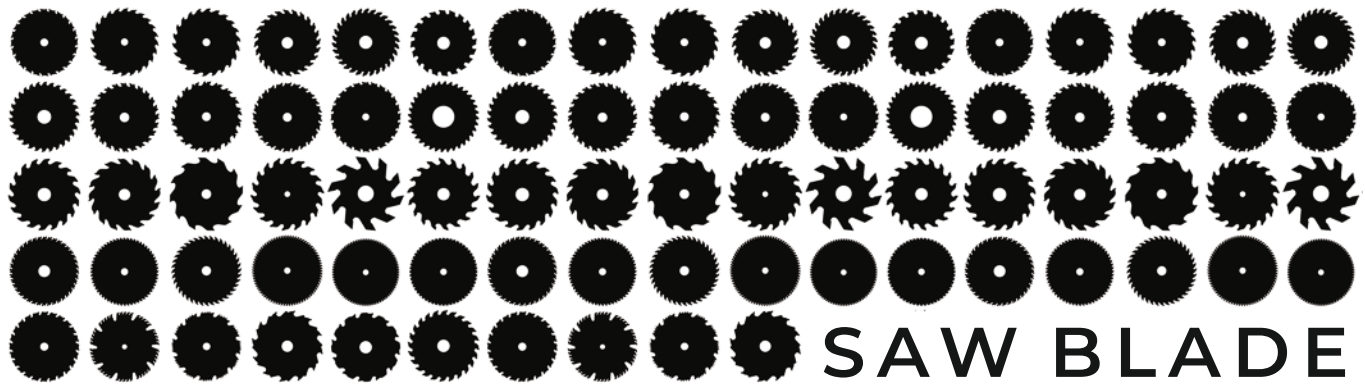
Beside using the graver tool to cut a thin surface, you can also cut deep on mostly wedding rings.

Our graver tools are manufactured with carbide as the raw material not like most of the gravers are made from basic steel.

Graver tools come with different tool body sizes. As our standard is 40mm lenght and 3mm shank, it can be longer and thicker as 3.175mm, 4mm or 6mm.



Tip	Shank	Total Lenght	Angle
0.10	3.0	40	30° / 40° / 50°
0.20	3.0	40	30° / 40° / 50°
0.30	3.0	40	30° / 40° / 50°
0.40	3.0	40	30° / 40° / 50°
0.50	3.0	40	30° / 40° / 50°



Saw blades for tube cutting

Saw blades are used in many processes of jewellery manufacture as tube, chain, wire or any other ornaments' cutting.

Most popular sizes varies as 0.20, 0.30 and 0.40mm sizes. But beside these, you can always place an order with your specific sizes or any other available sizes from the chart below.

Saw blades are made of carbide which gives much longer life time than the steel ones. We keep popular sizes in stock to avoid the pauses on our customers' manufacture.



Round	Hole	Thickness	Blades
63	10 / 16	0.20	200
63	10 / 16	0.25	200
63	10 / 16	0.30	200
63	10 / 16	0.40	200
63	10 / 16	0.50	200
50	10 / 13	0.20	180
50	10 / 13	0.25	180
50	10 / 13	0.30	180
50	10 / 13	0.40	180
50	10 / 13	0.50	180
40	8	0.20	160
40	8	0.25	160

Round	Hole	Thickness	Blades
40	8	0.30	160
40	8	0.40	160
40	8	0.50	160
30	8	0.20	120
30	8	0.30	120
30	8	0.40	120
20	5	0.20	100
20	5	0.30	100
20	5	0.40	100
15	5	0.20	80
15	5	0.30	80
15	5	0.40	80

► FLEXI 9-AXIS CNC MACHINE

EXPERIENCE NEXT-GENERATION PRECISION WITH FLEXI



- New horizontal spindle / Diamond cut head Adjustable Y-axis
Oil cooling for the best shiny result
- Automatic tool changer for vertical spindle and horizontal spindle
7x vertical spindle
4x horizontal spindle
1x ultrasonic color spindle (if color option is included)
- Syntec control panel
45.000 RPM vertical spindle
60.000 RPM horizontal spindle

TECHNICAL SPECIFICATIONS:

B axis reducer	Rated torque 12. 7N.m, instaneoux max. torque 44.6N.m, rated speed 300 rpm, max. speed 600 rpm (Alpha, Germany)
C axis reducer	Rated torque 88.9N.m, instaneoux max. torque 312N.m, rated speed 43 rpm, max. speed 85 rpm (Alpha, Germany)
6th axis	Rated torque 88.9N.m, instaneoux max. torque 312N.m, rated speed 43 rpm, max. speed 85 rpm (Alpha, Germany)
7th axis spindle	max. 60.000 rpm, max. dia. of round cutter: 70 mm
Transmission components	Repeatability: +/- 0.005 mm (Rexroth, Germany)
Operation	220MB-10.4 inch screen operation box (SYNTEC system)
Servo motor	400W / 750W
Main spindle	3.7 kw, max. speed 45.000 rpm, 2.5 kw, max. speed 45.000 rpm water cooling with flow-alarm (Electric)
Tool magazine	Up ta 12 tool
Tool holder	ISO 20, ISO 10 T11
Collect chuck	ER-16, ER-11
Lubrication	Timing automatic oiling
Work flatness	+/- 0.005 mm
X axis stroke	390 mm
Y axis stroke	155 mm
Z1 axis stroke	210 mm
Z2 axis stroke	190 mm
Body weight	1600 kg
Front door	sliding door
Layout mm	1400 width x 10600 depth x 2385 height (Main body)
Power requirement	380 v / 50 hz (Three-phase)

► FLEXI 7-AXIS CNC MACHINE

EXPERIENCE NEXT-GENERATION PRECISION WITH FLEXI



- Adjustable Y-axis
- Oil cooling for the best shiny result
- Automatic tool changer for vertical spindle
- 14x vertical spindle
- 1x ultrasonic color spindle (if color option is included)
- Syntec control panel
- 45.000 RPM vertical spindle

TECHNICAL SPECIFICATIONS:

B axis reducer	Rated torque 88.9N.m, Instaneous max. torque 312N.m, Rated speed 43 rpm, max. speed 85 rpm
C axis reducer	Rated torque 12.7N.m, Instaneous max. torque 44.6N.m, Rated speed 300 rpm, max. speed 600 rpm
6th axis	Repeatability: +/-0.007 mm
7th axis spindle	max. 10.000rpm, max. dia. of round cutter: 70 mm min. dia. of round cutter: 40mm
Transmission components	Repeatability: +/-0.005 mm
Operation	220MA-10.4 inch screen operation box, max. extending 600mm on width at left side
Servo motor	400W
Main spindle	3. 7kw, max. speed 45000 rpm water cooling with flow-alarm
Tool magazine	Up ta 15 tools
Tool holder	ISO20
Collect chuck	ER-16
Lubrication	Timing automatic oiling
Work flatness	+/- 0.005 mm
X axis stroke	380 mm
Y axis stroke	155 mm
Z1 axis stroke	220 mm
Body weight	1200 kg
Front door	Sliding door
Layout mm	1200 width x 800 depth x 2000 height
Power requirement	380 v / 50 hz



► FLEXI 5-AXIS CNC MACHINE

EXPERIENCE NEXT-GENERATION PRECISION WITH FLEXI

• PRODUCT DESCRIPTION

- FLEXI F5 flat sheet can produce a variety of 3D shaped products; it is also available in Ultrasonic Color Option. It can perform continuous modeling with automatic sheet roller system.

- **Number of Axis :** 5 Axis
- **Spindle Speed:** 45.000 rpm
- **Horizontal Diamond Cutting:** 10.000 rpm
- **Automatic Tool Change:** 12 Tool
- **Control & Software:** SYNTEC Control Panel
- **ULTRASONIC COLOR FEATURE:** Yes (Optional)
- **Oil cooling for the best shiny result**

TECHNICAL SPECIFICATIONS:

Transmission	German-engineered components for ultra-smooth motion
Repeatability	±0.005mm, ideal for intricate and precise operations
Controller	SYNTEC 220MB-5 system with a 10-inch intuitive touchscreen interface
Servo Motors	200W / 400W / 750W efficient motors for optimized performance
Spindle	3.7 kW electric spindle with water cooling (max 45,000 rpm) and flow-alarm protection
Tool Magazine	Servo-driven automatic tool changer for up to 12 tools
Tool Holder	HSK E25 standard for secure and stable tool holding
Collet Chuck	ER-16 for superior grip and stability
Max Sheet Width	90mm, compatible with a wide range of materials
X-axis	430mm
Y-axis	120mm
Z-axis	115mm
Lubrication	Automated timed oiling system for maintenance-free, long-term operation
Front Door	Pneumatic auto-door for operator safety and ease of use
Machine Weight	1.5 tons for maximum stability during precise operations
Dimensions	1600mm (W) × 1000mm (D) × 2400mm (H)
Power Supply	Three-phase 380V / 50Hz for reliable energy consumption



► FIREBALL CNC FOR BEADS

BALLS & BEADS CUTTING CNC MACHINE



Advanced working on gold ball and beads pieces from 1.75mm to 7mm sizes.

Easy to operate, simple design and detailed customer support.

ADVANTAGES

- Easy to operate
- User friendly control panel auto pick & place
- Non-stop working
- 5 / 6 / 7 axis control

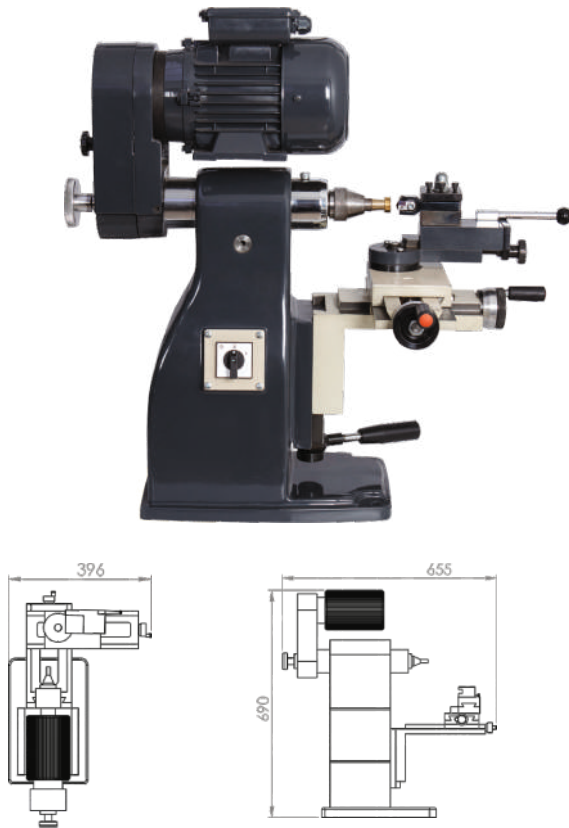


TECHNICAL SPECIFICATIONS:

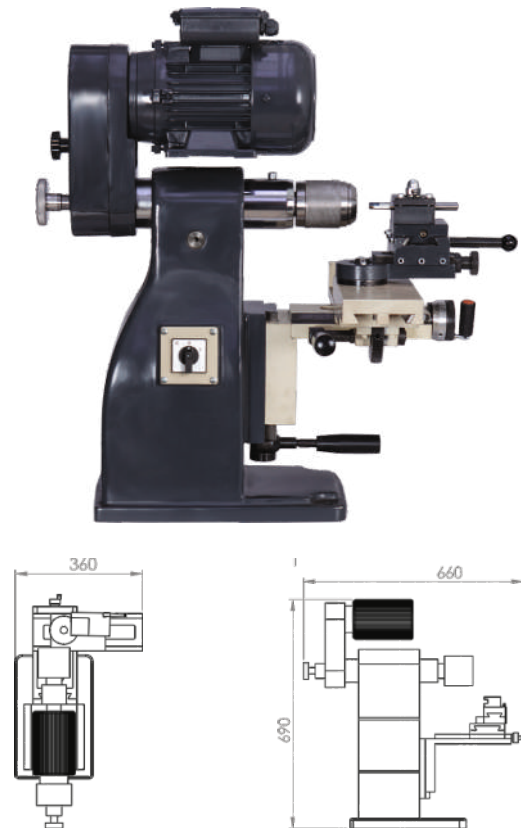
Machinable Products	Round Balls, Oval Balls, Pipes, Capsule, Beads
Beads Size	1.75mm to 7 mm
Number of Working Axis	5 / 6 / 7 axis
Horizontal Head:	
Tool Rotation Speed	From 0 to 10000 rpm
Tool Diameter	80 mm
Tool Hole Diameter	10 mm
Tool Electric Power	400 W
Installation Data:	
Electrical Power Power Supply	3 kW 220 V, 50/60 Hz
Machine Dimension:	
Length	1530 mm (With open door)
Width	1070 mm
Height	1730 mm
Weight	450 kg

► LATHE MACHINE

► Outside Lathe Machine



► Inside Lathe Machine



► TECHNICAL SPECIES

MOTOR : 1400 rpm, 0.55 kW
ADDITIONAL HEAD : Round ring/bangle head (ncluded)
POWER : 220V, 50/60 Hz, 0.55 kW 4.5A
COOLING OF WORK AREA : Manual spray cool ng **WORKING AREA :** X: 85 mm, Y: 110 mm, Z: 120 mm
SIZE / WEIGHT : 40 x 60 x 70 cms / 90 kg **PERIPHERALS :** N/A
CONTROLLER : Manual control

► PACKING DETAILS

Vert cal 50 x 70 x 90cm
We ght Net :
 90 kg / Gross : 110 kg



► FACETING MACHINE



► TECHNICAL SPECIES

HORIZONTAL MOTOR: 2800 RPM 0.37 kW 1.9 A

POWER : 220V 50/60 HZ

SIZE / WEIGHT : 75/75/105 cm, 180 KG

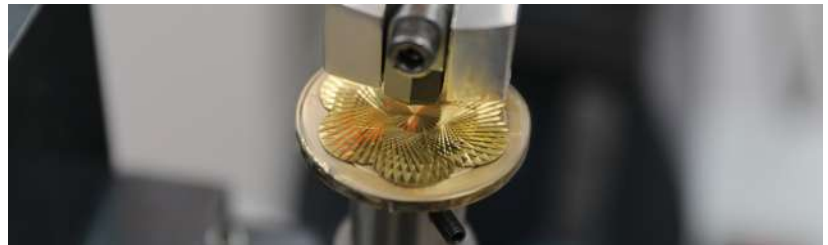
CONTROLLER : Manual/ Adjustable

VERTICAL MOTOR: 2800 RPM 0.37 kW 1.9 A

► PACKING DETAILS

Vertical : 85/85/100 cms.

Weight Net : 180 kg Gross: 200 kg



FACETING MACHINE PARTS



BULUNMAZ | 3D



ENKA PRO



ENKA



WASHING STATION



JEWELRY RESINS



**PASSION FOR
PRECISION**
PRECISION
PRECISION
PRECISION

► ENKA

SPEED AND PRECISION IN EVERY PRINT



- Powered by 16K LCD technology, this printer delivers exceptional detail at high speed. Designed for stability and accuracy, it ensures flawless jewelry prints - every time, without fail.
- **STABLE CALIBRATION**
Built for absolute reliability, this machine requires just one-time calibration. Once set calibration, the machine can print with confidence, knowing every model will come out perfectly and precise - no need for constant adjustments.



Other 3D Printers



BULUNMAZ
3D ENKA PRINTER

TECHNICAL SPECIFICATIONS:

Printing Precision	0.05 mm
Printing Size	224 * 127 * 240 mm (L*W*H)
Printing Layer	0.025 mm - 0.1 mm
Printing Speed	50 mm/h
Resolution	16K LCD
XY Pixel Accuracy	14* 19µm
Curing Wavelength	405nm
Package Size	465 * 455 * 680 mm
NetWeight	24.5 KG
Gross Weight	27.5 KG

16K

► ENKA PRO

PRECISION ON A LARGER BUILT SIZE



- Built for high-volume production, this machine combines powerful performance with great precision. It consistently creates detailed, high-quality jewelry designs, making it ideal for larger projects and ensuring reliable, perfect results every time.
- Although it uses LCD technology, it offers the same speed and power as DLP 3D printers with its high quality projector, providing excellent detail and efficiency for industrial-scale jewelry printing.



Other 3D Printers



BULUNMAZ
3D ENKA PRINTER

TECHNICAL SPECIFICATIONS:

Printing Precision	0.05 mm
Printing Size	302*161*380 mm (L*W*H)
Printing Layer	0.025 mm - 0.1 mm
Printing Speed	50 mm/h
Resolution	16K LCD
XY Pixel Accuracy	24 µm
Curing Wavelength	405nm
Package Size	610 * 560 * 1820 mm
NetWeight	95 KG
Gross Weight	132 KG

16K

► WASHING MACHINE

3 IN 1 WORKING SYSTEM



The Bulunmaz | 3D Washing System

is a high-quality post-processing solution created to effectively remove uncured resin from 3D-printed models. It gently cleans prints while minimizing any risk to fine details.

The Bulunmaz | 3D Washing System is compatible with leading resin 3D printing technologies, including UV LCD, DLP, and SLA.

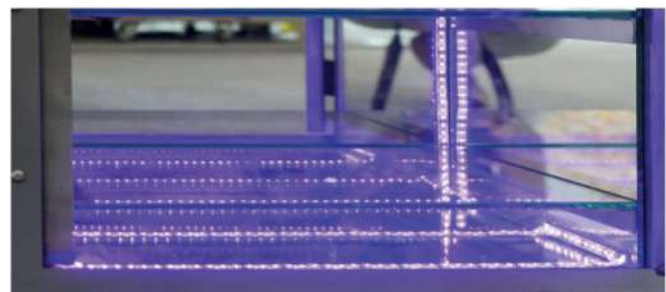
- **Step - 1:** Put 3D printed models inside the tank



- **Step - 2:** Dry the 3D printed models from isopropyl alcohol



- **Step - 3:** Cure the 3D printed models under UV light

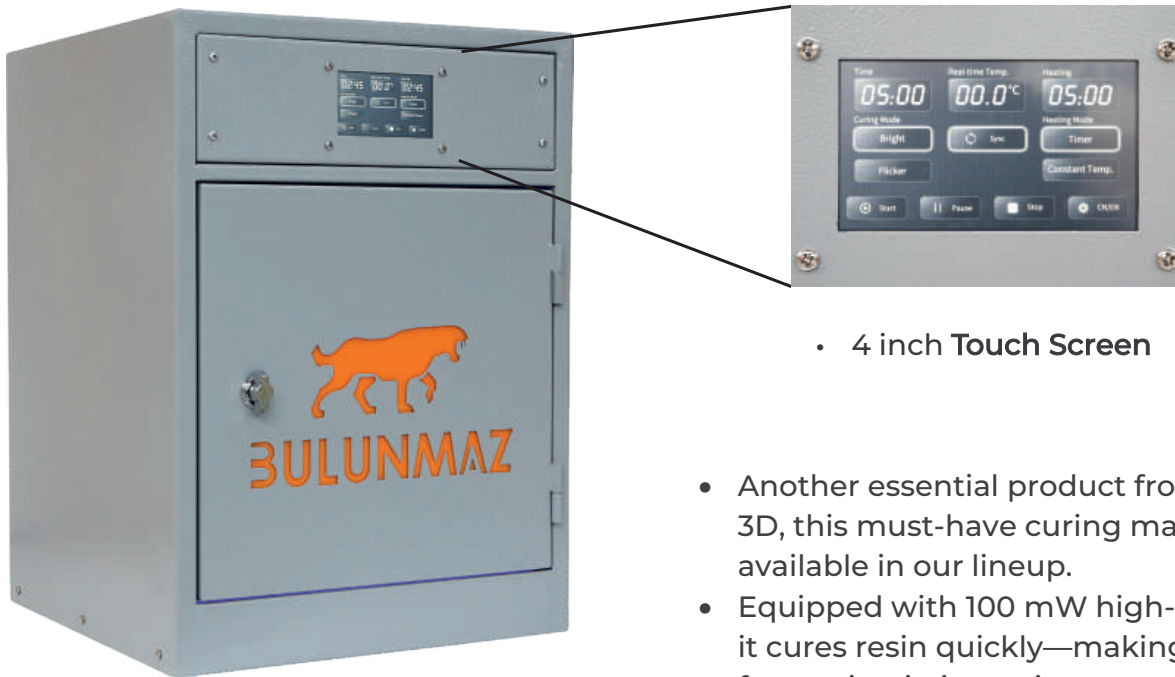


TECHNICAL SPECIFICATIONS:

Machine Dimensions	170x110x50 cm
Tank Capacity	30 LT in total
Power Source	Monofaze 220V

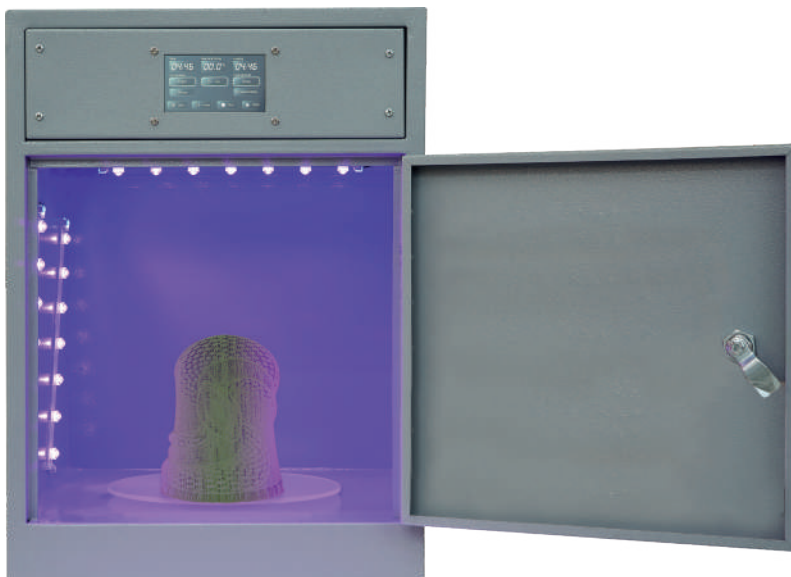
► CURING MACHINE

PRECISION CURING MADE SIMPLE



- 4 inch Touch Screen

- Another essential product from Bulunmaz 3D, this must-have curing machine is now available in our lineup.
- Equipped with 100 mW high-powered lights, it cures resin quickly—making models ready for casting in just minutes.
- Thanks to its under-mounted servo motor, it ensures even curing on all surfaces.
- All steps are easily managed via a touchscreen interface with built-in timer controls.



TECHNICAL SPECIFICATIONS:

Machine Dimensions	40 x 40 x 55 cm
UV Light Density	100 mW
Power Source	220V

► WASHING MACHINE

COMPACT DESKTOP SYSTEM

With Bulunmaz Washing System, you can achieve all three post-processes of printing in one work station.



The Bulunmaz | 3D Washing System is a high-quality post-processing solution created to effectively remove uncured resin from 3D-printed models. It gently cleans prints while minimizing any risk to fine details. The Bulunmaz | 3D Washing System is compatible with leading resin 3D printing technologies, including UV LCD, DLP, and SLA.

HOW TO DO THE POST-PROCESS?

- **Step - 1:** Put the 3D models inside the isopropyl alcohol. Then rinse the models in the second clean alcohol compartment.



Air Speed Adjustment

Alcohol Disposal

- **Step - 2:** Dry the the 3D printed models from alcohol in the last compartment.

TECHNICAL SPECIFICATIONS:

Machine Diameters	106x46x46 cm
Tank Capacity	20 LT in total
Power Source	Monofaze 220V

► 3D CASTABLE JEWELRY RESIN



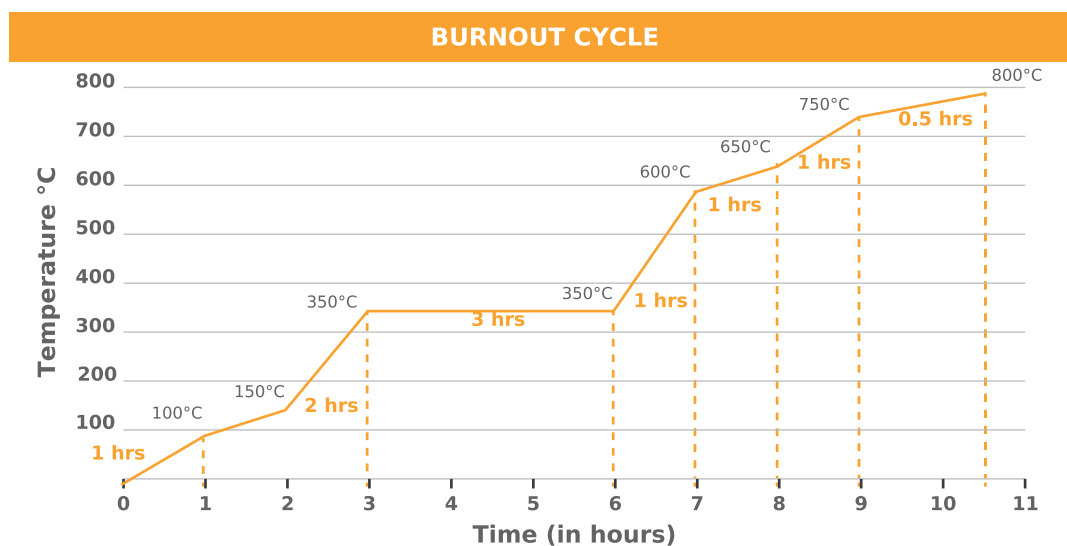
BALI RESIN

- Green-colored resin with 30% wax for a smooth finish and easy casting.
- Great for gold, silver, and stone-set designs.
- Fast curing with only 1% shrinkage.



RIO RESIN

- Yellow resin with 20% wax, perfect for filigree and detailed work.
- Strong, sharp prints, ideal for stone-set pieces.
- Lightweight results with just 1% shrinkage.



► **COLOR PRINTER**
BRING YOUR JEWELRY INTO LIFE



- The UV ink is precisely attached onto the jewelry through a high precision nozzle, and the ink is rapidly cured using a built-in UV light source, causing it to transition from a liquid state to a solid state within an extremely short period of time.



Quick
printing



Non striped
drawing



Simultaneous
printing of white
and color inks



TECHNICAL SPECIFICATIONS:

Product Size	730 x 760 x 520 mm (length, width, height)
Net Weight	26 KG
Print Size	297 x 420 mm (able to print multiple products at once)
Ink System	1L x 4 Colors / 250 ml
Ink Type	UV Ink
Electricity Requirements	AC220/110+10, 50-60Hz, P100W
Operating System	Windows



Exhibitions

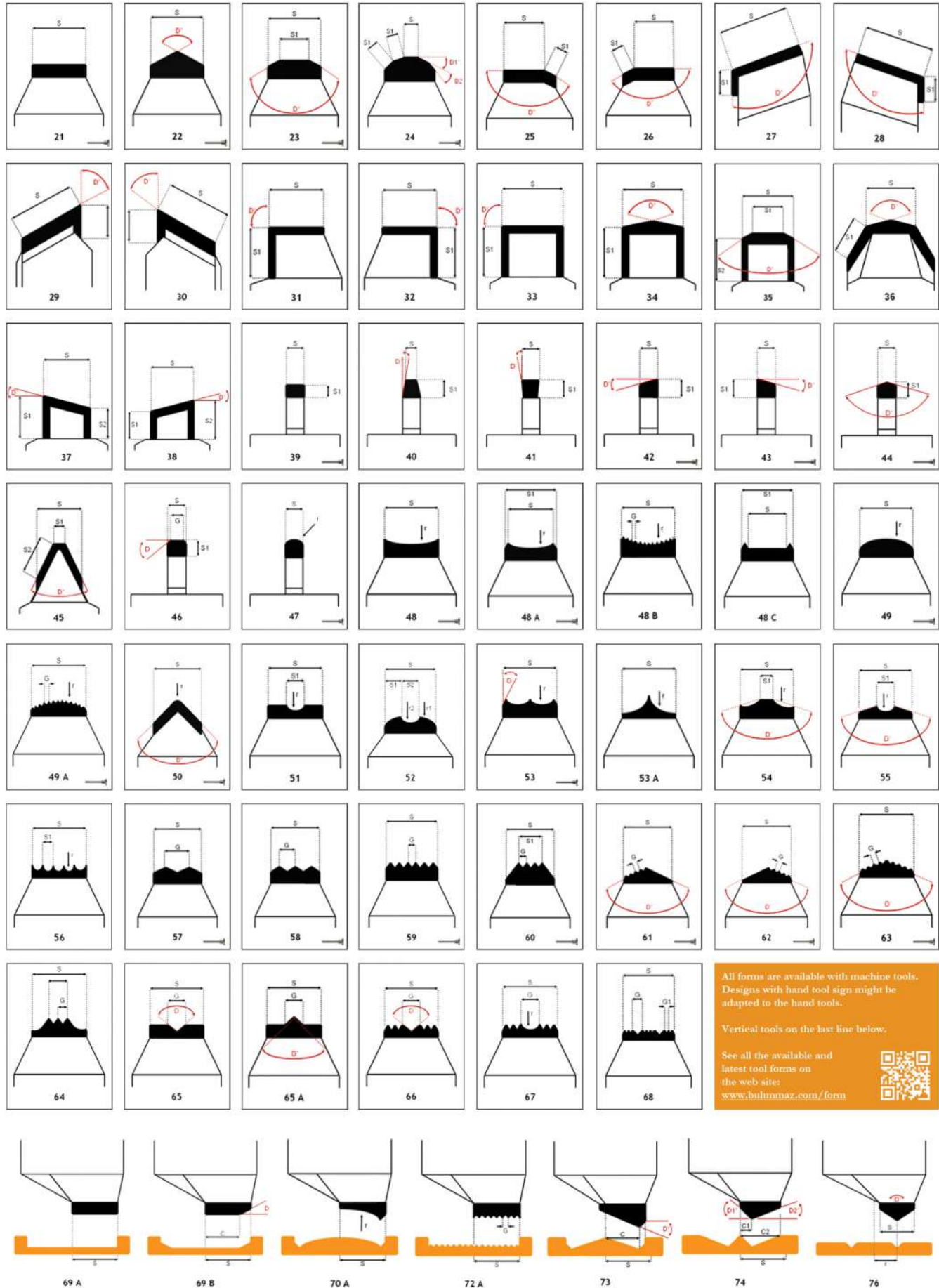
Exhibition	City & Country
 VicenzaOro First T-Gold	Vicenza, Italy
 Bangkok Jewellery Show	Bangkok, Thailand
 Hong Kong Jewellery Show (T-Gold)	Hong Kong
 Istanbul Jewellery Show	Istanbul, Turkey
 Oro Arezzo	Arezzo, Italy
 JCK Las Vegas	Las Vegas, U.S.A.
 Tecnogold Sao Paulo	Sao Paulo, Brazil
 Isfahan Gold	Isfahan, Iran
 Mumbai Jewellery Show	Mumbai, India
 Penang Signature Gold Fair	Penang, Malaysia
 Hong Kong Jewellery Show (T-Gold)	Hong Kong
 Junwex Moscow	Moscow, Russia
 Expojoya Guadalajara	Guadalajara, Mexico
 Istanbul Jewellery Show	Istanbul, Turkey
 Surabaya International Jewellery Fair	Surabaya, Indonesia
 Vietnam International Jewelry Fair	HCMC, Vietnam
 Dubai International Jewellery Show	Dubai, U.A.E.



Please check our website for the actual exhibition list with dates and booth locations:

www.bulunmaz.com

► TOOLS FORMS





passion for *precision*

   **bulunmaz**

www.bulunmaz.com



Head Office / Showroom

Kuyumcukent Jewellery Complex:

Bulunmaz Asia

Bulunmaz America

: Gedikpaşa Camii Sk. 51 / A Çemberlitaş - Fatih / İSTANBUL - TÜRKİYE ☎ +90 212 513 47 32

: Kuyumcukent Kompleksi Atölye Bloğu 1 - 11 - 7 Bahçelievler / İSTANBUL - TÜRKİYE

: Jl. Ngagel Jaya Selatan No: 51 / A Surabaya / Indonesia

: Pasaje de los Herreros San Juan de Dios, Guadalajara, Jalisco, Mexico