



**Bulunmaz**

DIAMOND TOOL PROFESSIONALS



[www.bulunmaz.com](http://www.bulunmaz.com)



M. Cemalettin  
Bulunmaz

Hüseyin Hilmi  
Efendi

ISTANBUL, 1930

SAN FRANCISCO, 2014



Cemal Bulunmaz

H. Hilmi Bulunmaz

## 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, Turkey) **2011**

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

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

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60.000 rpm diamond cutting machine is designed for the professionals targeting the best performance. With a speed adjustable up to 60.000 revolutions per minute, you can get really the best shine.

As that model is designed for the best professionals, just be sure that you have enough experience for it.

### 60.000 rpm electric



### 50.000 rpm electric



Even better than the 60.000 rpm model, you can just go with 50.000 rpm one. It is 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.

### 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



#### TECHNICAL CHART OF HAND MACHINES

	60.000 rpm.	50.000 rpm.	45.000 rpm.	35.000 rpm.
Max. Speed	60.000 rpm.	50.000 rpm.	45.000 rpm.	35.000 rpm.
Brush	Brushless	Brushless	Brush	Brush
Sensor	Sensor	Sensorless	-	-
Volt	110/230V	110/230V	110/230V	110/230V
WATT	350W	350W	120W	70W
Max Current	3A	3A	3A	2A
Max Torque	7.5 N.cm	7.0 N.cm	4.5 N.cm	2.8 N.cm
Pins	8 Pins	4 Pins	3 Pins	3 Pins
Box Size	33x27.5x22	26x23.5x18.5	26x23.5x18.5	24.5x24x9
Box Weight	5 kg.	4 kg.	3.8 kg.	2.5 kg.

## 80.000 rpm pneumatic point machine



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.



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

## 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 <sup>2</sup>
Air Consumption	0,30 CFM
Sound dBA	83 dBA
Vibration	4,4 m/s <sup>2</sup>
Shank	3mm (1/8")

## hammering machine pneumatic



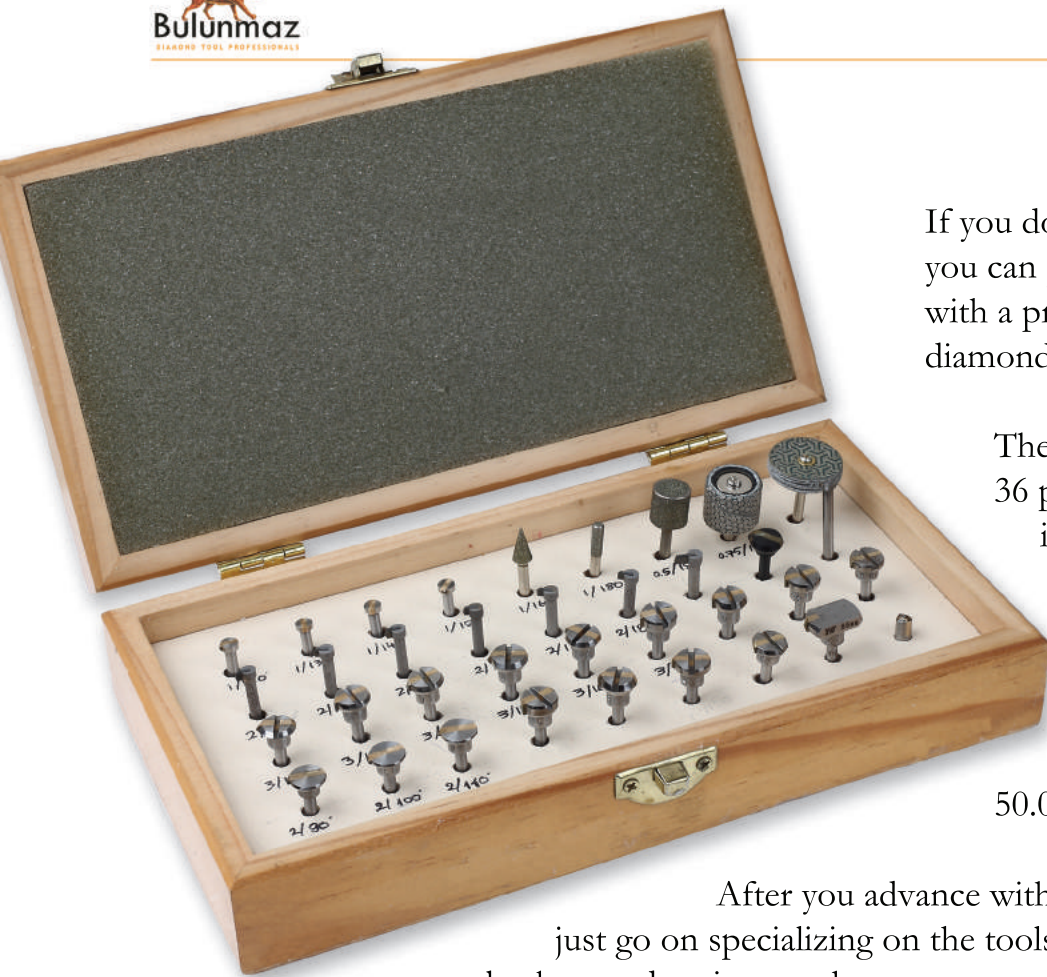
Another old way of diamond cutting, made by hammering machine. That high quality machine with steel components and high precision manufacture, lets you use it in peace for long years.

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.














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



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...

 <p>1/140° mini 1/180° mini 1/3-line mini</p> <p><b>MINI TOOL</b></p>	 <p>1/140° 1/180° 2/120° 2/130° 2/140°</p> <p><b>HAND TOOL (Head=9mm)</b></p>	 <p>2/150° 2/160° 2/180° 3/180°</p>	 <p>1/CV (convex) 2/CV (convex) 2/CC (concave) 2/4-line 2/5-facets</p>
 <p>2/140° H=15 2/180° H=15 3/150° H=15</p> <p><b>HAMMER HEAD</b></p>	 <p>Emery Cylinder Emery Wheel Emery Fan</p> <p><b>EMERY BACKGROUND</b></p>	 <p>Conic Straight Wheel Cylinder</p> <p><b>DIAMOND PLATED BACKGROUND</b></p>	 <p>T1 Background T4 Background 0.50 Background</p> <p><b>CARBIDE BACKGROUND</b></p>
<p>TOTAL <b>36</b> TOOLS</p> <p><b>+ machine</b></p>	 <p>Small Point Medium Point 1.5mm CNC Point 2/3-line</p> <p><b>POINT TOOL</b></p>	 <p>2/140° PCD (Long) 2/4-line PCD</p> <p><b>PCD BACKGROUND</b></p>	<p><b>50.000 RPM Diamond Cutting Machine</b></p> 



## 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



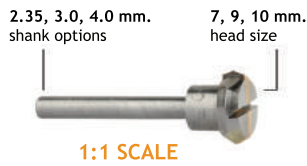
## Mini Tool Set

Most popular 8 tools with the minimum cost



TOTAL  
**20**  
TOOLS

TOTAL  
**8**  
TOOLS



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.

 <b>1/120°</b> HS-1120	 <b>1/140°</b> HS-1140	 <b>1/180°</b> HS-1180	 <b>2/120°</b> HS-2120	 <b>2/130°</b> HS-2130
 <b>2/140°</b> HS-2140	 <b>2/150°</b> HS-2150	 <b>2/160°</b> HS-2160	 <b>2/170°</b> HS-2170	 <b>2/180°</b> HS-2180
 <b>2.5/180°</b> HS-2580	 <b>3/130°</b> HS-3130	 <b>3/140°</b> HS-3140	 <b>3/180°</b> HS-3180	 <b>4/180°</b> HS-4180



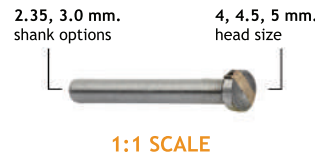
## HAND TOOL / FANCY



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.

 <p><b>0.5/CV</b> HS-4050</p>	 <p><b>1/CV</b> HS-4100</p>	 <p><b>2/CV</b> HS-4200</p>	 <p><b>1/CC</b> HS-5050</p>	 <p><b>2/CC</b> HS-5200</p>
 <p><b>1/4L</b> HS-6140</p>	 <p><b>2/4L</b> HS-6240</p>	 <p><b>3/6L</b> HS-6360</p>	 <p><b>1/5F</b> HS-7150</p>	 <p><b>2/5F</b> HS-7250</p>
 <p><b>3/5F</b> HS-7350</p>	 <p><b>TYPE 49A</b> HS-8149</p>	 <p><b>TYPE 51</b> HS-8051</p>	 <p><b>TYPE 55</b> HS-8055</p>	 <p><b>TYPE 61</b> HS-8061</p>



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 suprised how precise you can work on any ornament. The good news is, any sizes and shapes are available on micro / mini tools

 <b>1/120°</b> HM-1120	 <b>1/140°</b> HM-1140	 <b>1/180°</b> HM-1180	 <b>2/120°</b> HM-2120	 <b>2/130°</b> HM-2130
 <b>2/140°</b> HM-2140	 <b>2/150°</b> HM-2150	 <b>2/180°</b> HM-2180	 <b>0.5/180°</b> HM-0580	 <b>2/5F</b> HM-7250
 <b>1/CV</b> HM-4100	 <b>2/CV</b> HM-4200	 <b>2/CC</b> HM-5200	 <b>1/3L</b> HM-6130	 <b>2/4L</b> HM-6240

## HAMMER HEAD TOOL



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

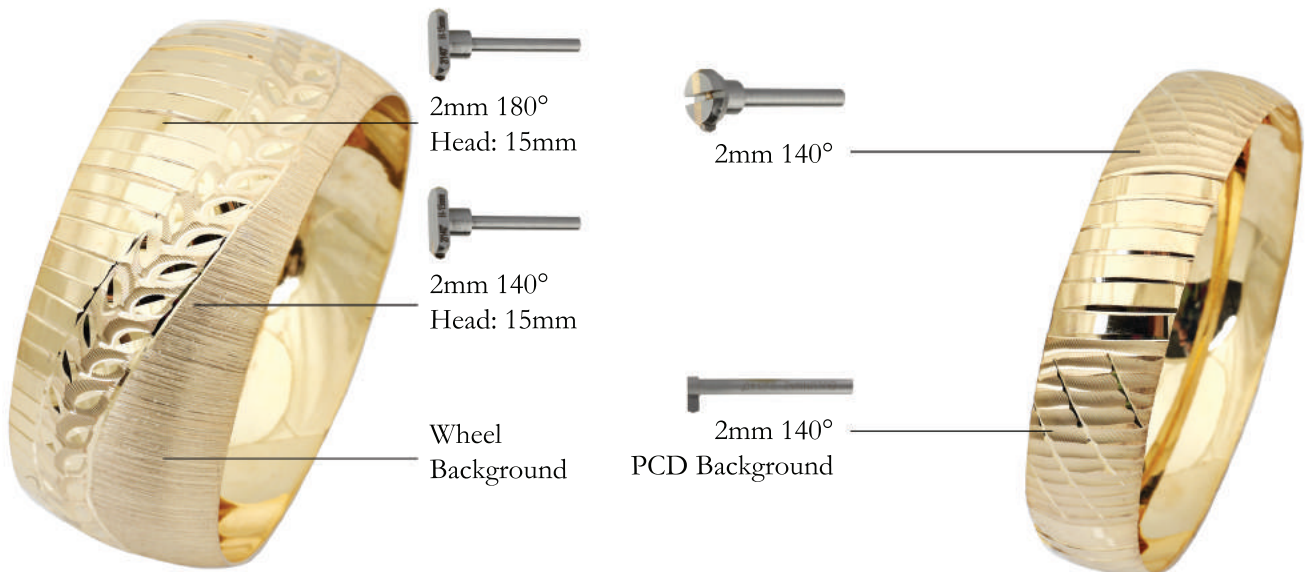
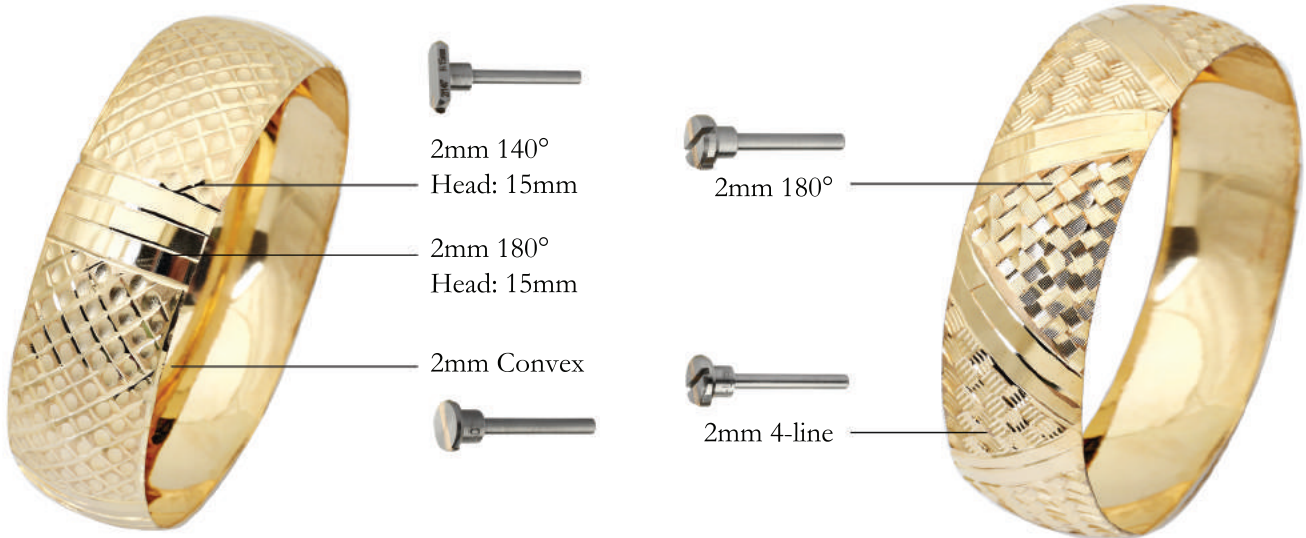
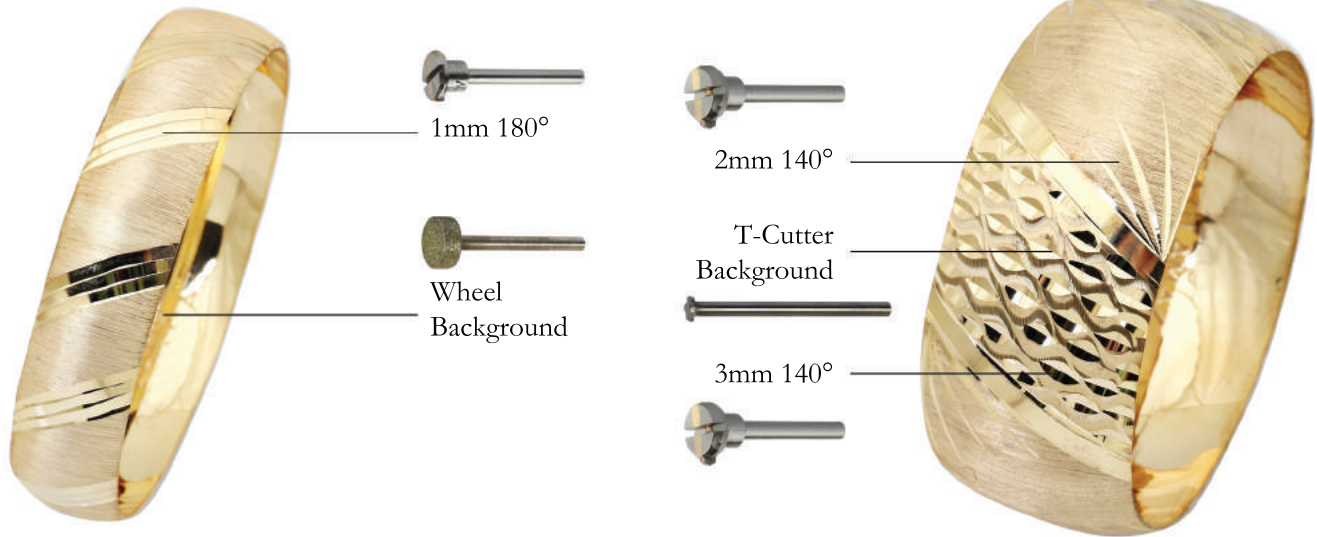
You can basically use hammer head tools in such conditions. They cut wide and pretty long thanks to its long head size. Basic head sizes are varied from 15 to 25mm but you can just place an order with even bigger sizes.



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

<p>1/180° H=15 HH-1181</p>	<p>1.5/180° H=15 HH-1581</p>	<p>2/130° H=15 HH-2131</p>	<p>2/140° H=15 HH-2141</p>	<p>2/150° H=15 HH-2151</p>
<p>2/180° H=15 HH-2181</p>	<p>2/180° H=20 HH-2182</p>	<p>3/130° H=15 HH-3131</p>	<p>3/140° H=15 HH-3141</p>	<p>3/140° H=20 HH-3142</p>
<p>3/140° H=25 HH-3143</p>	<p>3/150° H=15 HH-3151</p>	<p>3/160° H=15 HH-3161</p>	<p>3/180° H=20 HH-3182</p>	<p>3/180° H=25 HH-3183</p>

## HAND TOOLS FOR STRATCHING



# POINT TOOL

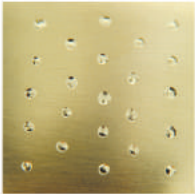
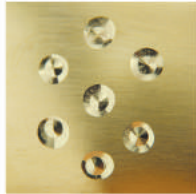
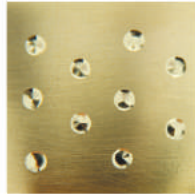

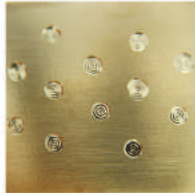

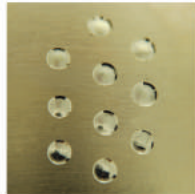
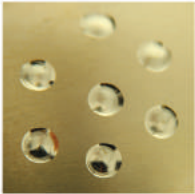
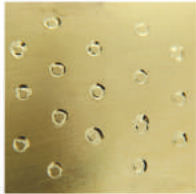
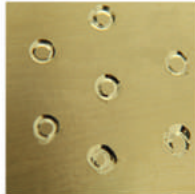


A few years ago, Bulunmaz brought a totally new idea to the industry. Why don't we use hand tools vertically, basically as CNC machines?



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



 <p><b>SMALL</b> HP-0001</p>	 <p><b>MEDIUM</b> HP-0002</p>	 <p><b>BIG</b> HP-0003</p>	 <p><b>0.75 CNC POINT</b> HP-0010</p>	 <p><b>1.0 CNC POINT</b> HP-0011</p>
 <p><b>1.5 CNC POINT</b> HP-0012</p>	 <p><b>2.0 CNC POINT</b> HP-0013</p>	 <p><b>1/3L</b> HP-0020</p>	 <p><b>1.5/3L</b> HP-0021</p>	 <p><b>2/2L</b> HP-0022</p>
 <p><b>2/4L</b> HP-0023</p>	 <p><b>2.5/3L</b> HP-0024</p>	 <p><b>3/3L</b> HP-0025</p>	 <p><b>1.0 BALL</b> HP-0030</p>	 <p><b>1.5 BALL</b> HP-0031</p>
 <p><b>2.0 BALL</b> HP-0032</p>	 <p><b>0.75 CIRCLE</b> HP-0040</p>	 <p><b>1.0 CIRCLE</b> HP-0041</p>	 <p><b>1.5 CIRCLE</b> HP-0042</p>	 <p><b>2.0 CIRCLE</b> HP-0043</p>

 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) HB-1242	 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	 EMERY FAN HB-3300	 0.20 LINE / SMALL HB-4201	 0.20 LINE / MEDIUM HB-4202	 0.20 LINE / BIG HB-4203
 0.50 LINE / SMALL HB-4501	 0.50 LINE / BIG HB-4503	 T1 HB-5100	 T4 HB-5200	 GRAND WHEEL HB-3400

## HAMMER PIN



American type

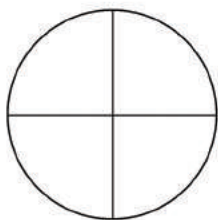


British type

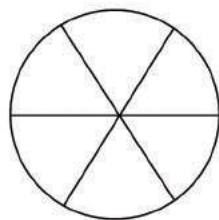
Hammering is an old way of texturing on metal in jewellery industry. Today, you can use the tools with high quality, precision and the variety with Bulunmaz hammering technology.

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

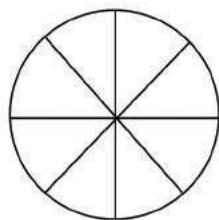
You can use the hammering machine manufactured with Bulunmaz quality. It comes with steel components and adjustable strenght of air.



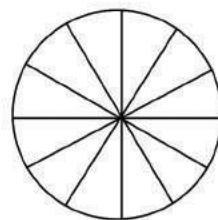
**4 facets**  
Rough cut with thick dots



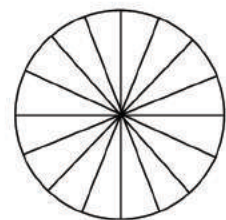
**6 facets**  
Medium cut



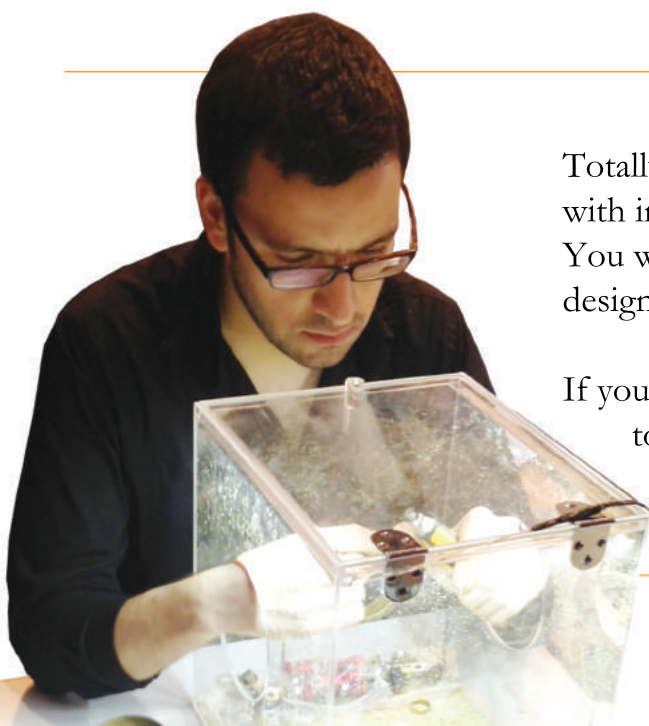
**8 facets**  
Standart cut (Regular size)



**12 facets**  
Thin cut



**16 facets**  
Smooth cut



## DIAMOND CUT BOX

Totally isolated 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 manufacturer.





 <p><b>2/75°</b> Available 60° to 110°</p>	 <p><b>120°</b> 1 to 5mm</p>
 <p><b>0.5/180°</b> Available 0.2 to 0.5mm</p>	 <p><b>1/180°</b> 1 to 1.9mm</p>





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.

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



PCD (poli-carbon) TOOLS

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

**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)








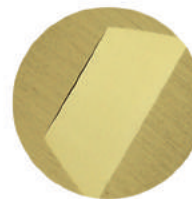
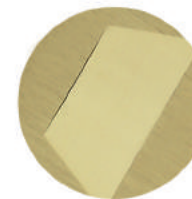
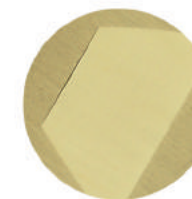


TOOLS FOR SPECIAL APPLICATIONS



CARBIDE TOOLS

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

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

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

## 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](http://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



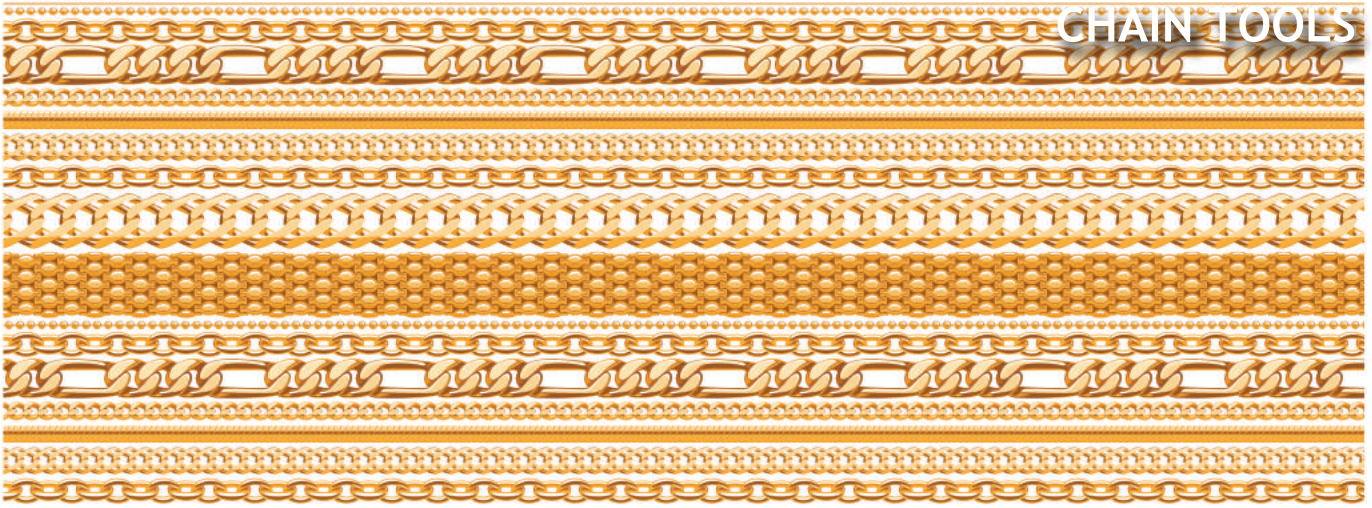
2/Type 62



4/Type 62



2/Type 63



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.





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.

## SPECIAL TOOLS

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 production 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.**





PLATED NANO DIAMONDS

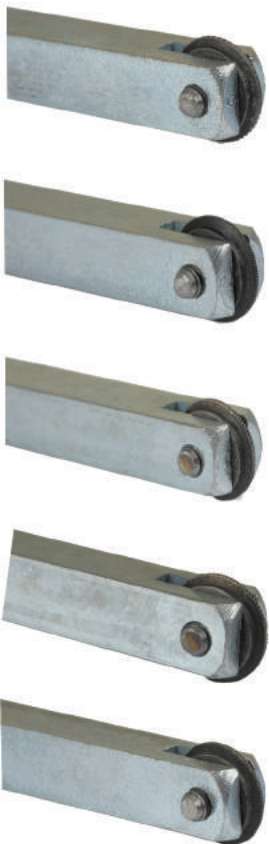
## MAGIC WHEEL

“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!**



PRECISELY GRINDED CARBIDE



## 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.

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



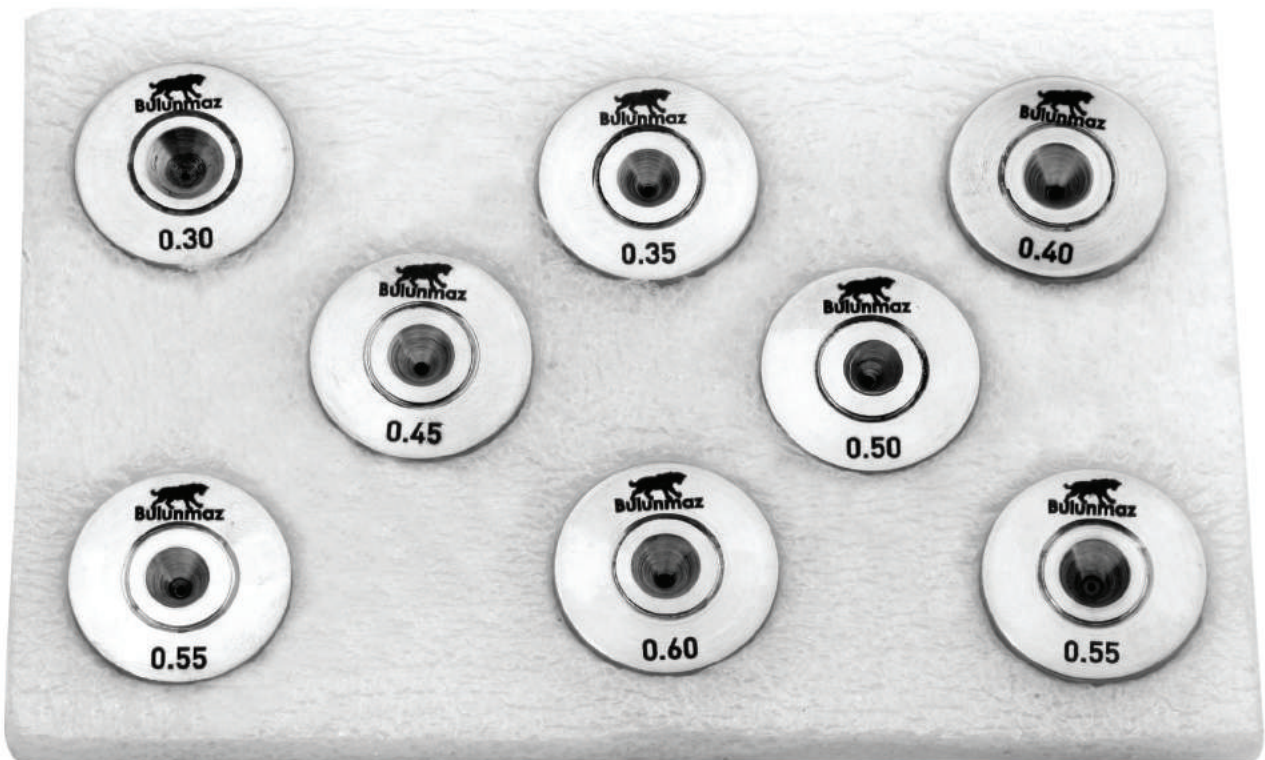




Natural diamond wire drawing dies are produced in our factory with the highest technology and precision machines.

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.





# COLLETS



THIN



STANDARD



WIDE



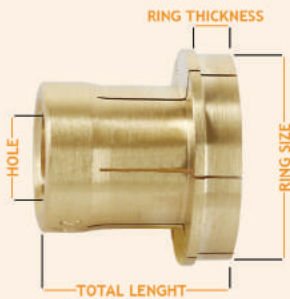
WITHOUT WALL



WAVE RINGS



HIGH WALL



You can place your orders just sending a drawing, indicating the collet sizes or informing about the model number of your diamond cutting machine.

We use soft brass as the raw material on collets.



COLLETS FOR INSIDE



# 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.

Mini 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

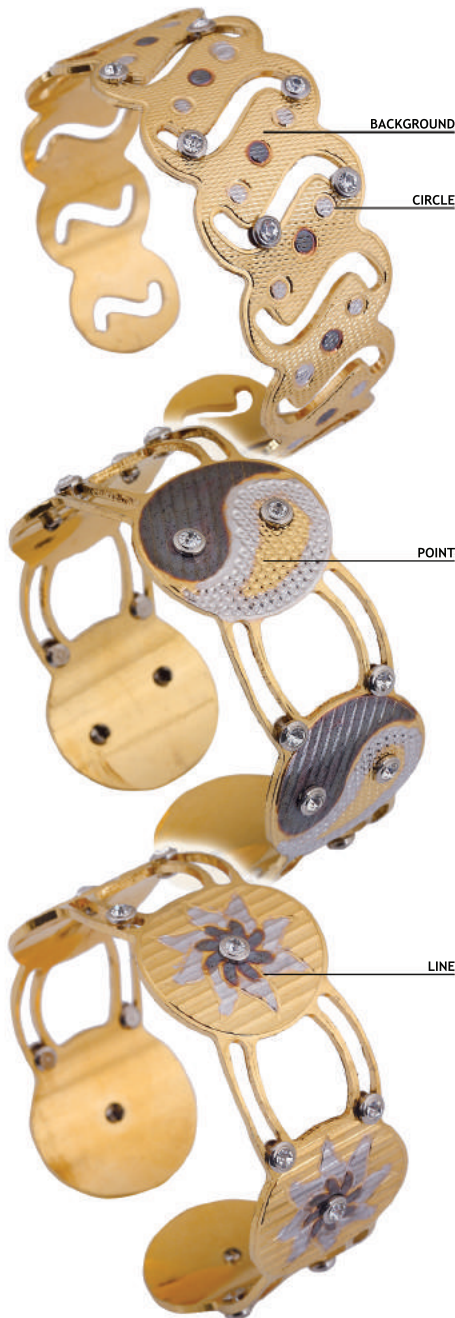


BALL

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.



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



0.10 POINT



0.20 POINT



0.30 POINT



0.40 POINT



0.5 POINT



1.0 POINT



1.5 POINT



2.0 POINT

Point



0.5 BALL



1.0 BALL



1.5 BALL



2.0 BALL

Ball



0.5 CIRCLE



1.0 CIRCLE



1.5 CIRCLE



2.0 CIRCLE

Circle



1/3 LINE



2/3 LINE



2/4 LINE



3/3 LINE

Lining



**T1 Mini**  
CB-1403



**T1 Thick**  
CB-1405



**T2**  
CB-2405



**T4 Mini**  
CB-4403



# CNC



**T4**  
CB-4405



**T4 Thick**  
CB-4406



# BACKGROUND



**T4 Double**  
CB-4445



**T4 160°**  
CB-4605



**T4 180°**  
CB-4805



**T4 V-Flat**  
CB-4455





**T4 CV**  
 CB-4905



**T4 90°/140°**  
 CB-4945



**T4 90°/160°**  
 CB-4965



**T6**  
 CB-6405



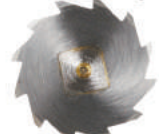
# TOOLS



**T8**  
 CB-8408



**T12**  
 CB-9409



**T1 0.50**  
 CB-1058



**T6 0.50**  
 CB-6055

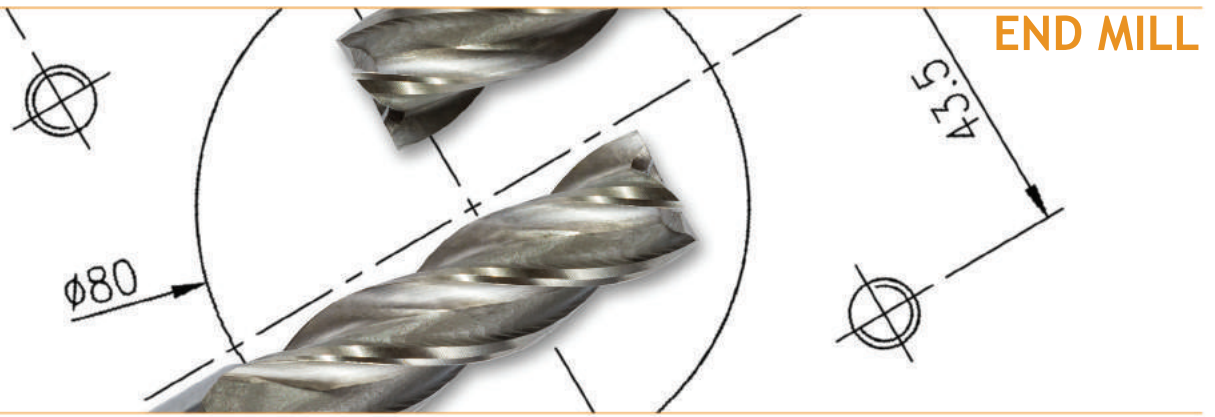


**PCD**  
 CB-1408



**PCD Big**  
 CB-1412





## 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.

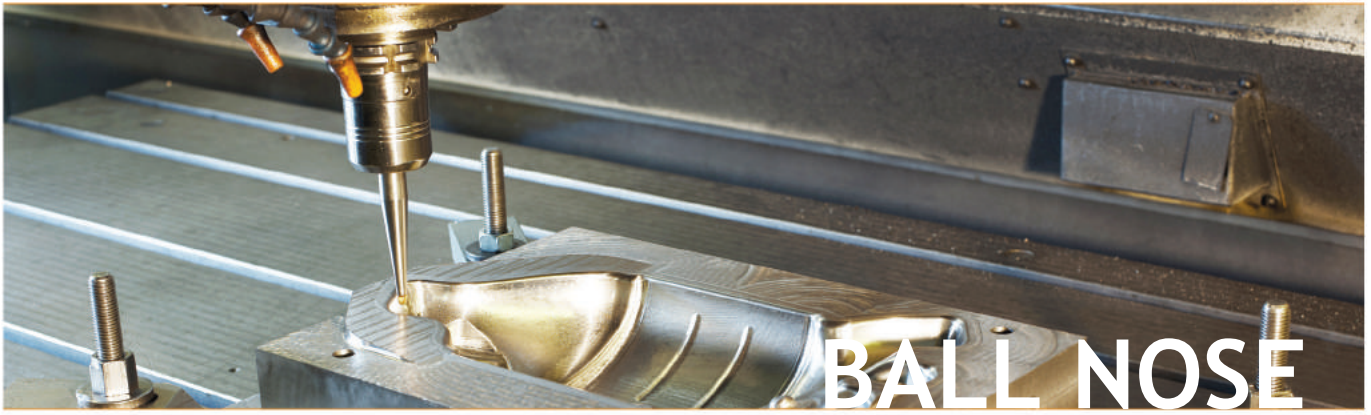
The end mills usually come with 2 blades (flutes) and a standard tip length of 1 or 1.2mm.

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 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.

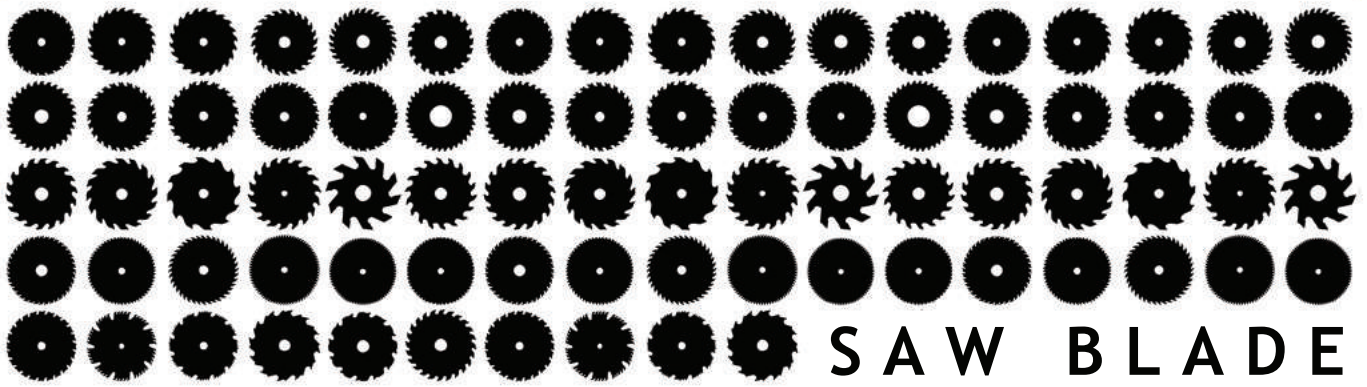
Our graver tools are manufactured with carbide as the raw material not like most of the gravers are made from basic steel.

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 spesific 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

# Ringmaker

## 3 AXIS CNC MACHINE FOR RING AND BANGLE PRODUCTION



- 40.000 rpm vertical (60.000 rpm optional) and 12.000 rpm horizontal spindles. Optional 3rd motor
- Additional attachments - hammering, diamond cutting (c axis), lathe option
- Panasonic servo motors
- PC based controller software. Easy to convert, track and process. Multi languages support
- Free training for controller software, support for design software
- Full dust collection



BACKGROUND, HAMMERING, ENGRAVE AND POINT IN CONTINUOUS PROCESS



VERTICAL AND HORIZONTAL MOTORS  
CONTINUOUS WORKING



ENGRAVING ON CONVEX RINGS  
AND BANGLES AT A LIMITED RADIUS



ENGRAVING FOR ENAMEL OR STONE PLACE



BACKGROUND DESIGN ON  
CONVEX RINGS AND BANGLES

# B30

## MACHINABLE PRODUCTS

Wedding rings, bangles, round objects

## TECHNICAL SPECIES

VERTICAL MOTOR 40.000 rpm, 1.2 kW, MTC  
(60.000 rpm spindle optional)  
(2nd vertical spindle optional)

HORIZONTAL MOTOR 12.000 rpm, 1.1 kW, MTC

EXTRA HEAD Hammering attachment

POWER 220V, 50/60 Hz, 3.5 kW

MOTORS Servo motors

(400W x 2, 750W x 1 Panasonic)

WORKING AREA X:150mm, Y: 360°, Z: 150mm

SIZE/WEIGHT 75x75x182cm (body) / 300 kg

PERIPHERALS 4 kW UPS, 100 lt. compressor

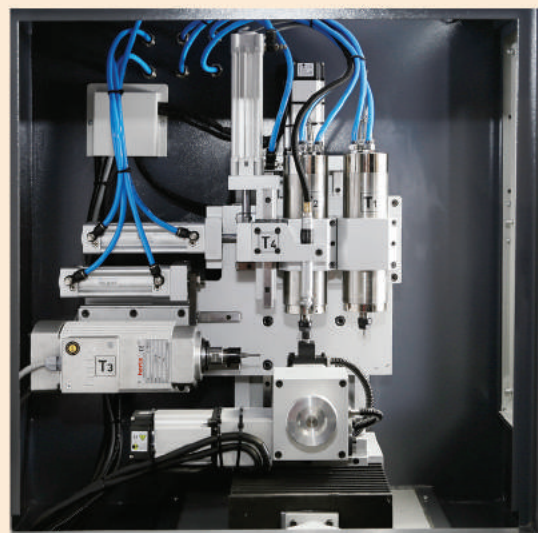
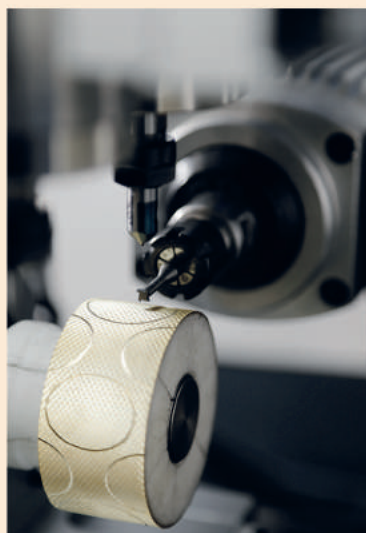
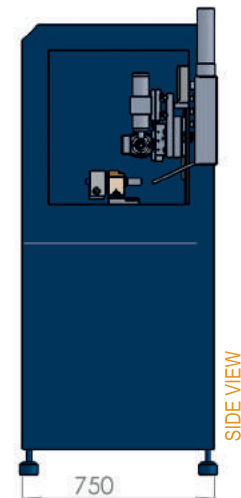
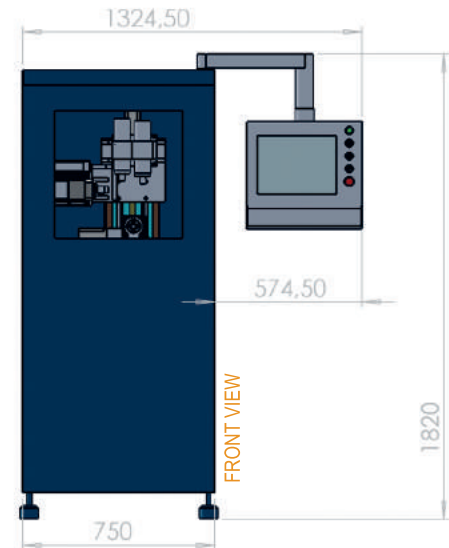
CONTROLLER PC Control / Ringmaker Software

## PACKING DETAILS

HORIZONTAL 190x115x100 cms.

VERTICAL 115x85x200 cms.

WEIGHT Net: 300 kg / Gross: 390 kg



# Excalibur

## CNC SHEET DECORATION MACHINE WITH MULTIPLE HEADS

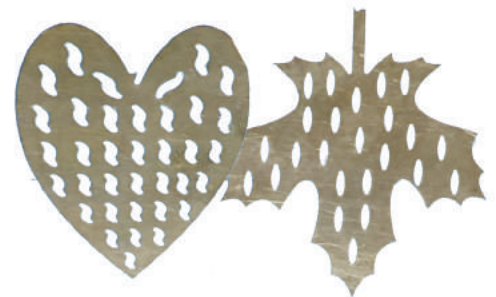


- 60.000 rpm Jager high precision spindle, optional low cost spindles
- Automatic tool changer with taper tool holder
- Panasonic servo motors
- Extra diamond cutting head and hammering attachment
- PC based controller software. Easy to convert, track and process. Multi languages support. Free training
- Full dust collection

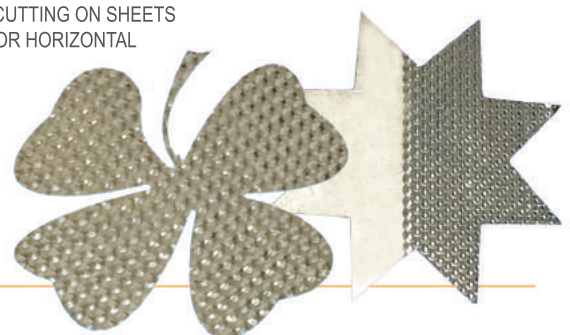


SHEET CUTTING AND DECORATION  
FROM 0.15mm THICKNESS

CUT OUT ANY FIGURES  
FROM 0.15mm THICKNESS  
PRECISE AS LASER CUTTING  
BUT ZERO GOLD LOSS



DIAMOND CUTTING ON SHEETS  
VERTICAL OR HORIZONTAL



# B40

## MACHINABLE PRODUCTS

Sheet materials from 0.15mm thickness

## TECHNICAL SPECIES

VERTICAL MOTOR 60.000 rpm, 1.2 kW - Jager (ATC)

40.000 rpm (MTC) low cost spindle option

TOOL CHANGER 5 tools

DIAMOND CUT HEAD 12.000 rpm / 360°

EXTRA HEAD Hammering attachment

POWER 220V, 50/60 Hz, 3.5 kW

MOTORS Servo motors (750W x 2, 400W x 2 Panasonic)

WORKING AREA X:300mm, Y: 150mm, Z: 80mm

SIZE/WEIGHT 100x70x148cm (body) / 600 kg

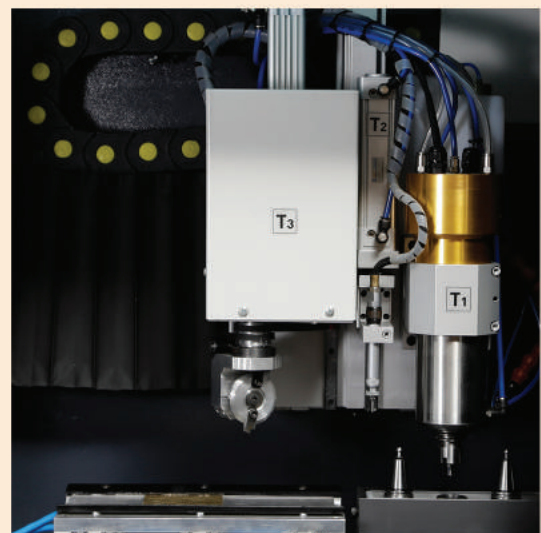
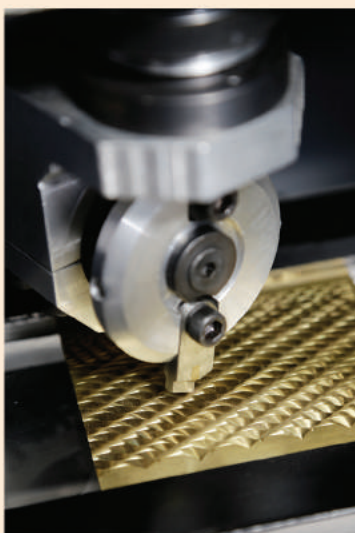
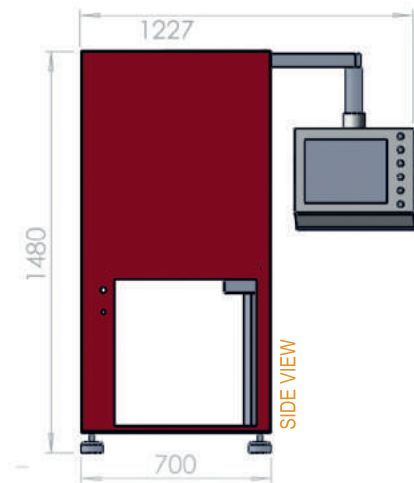
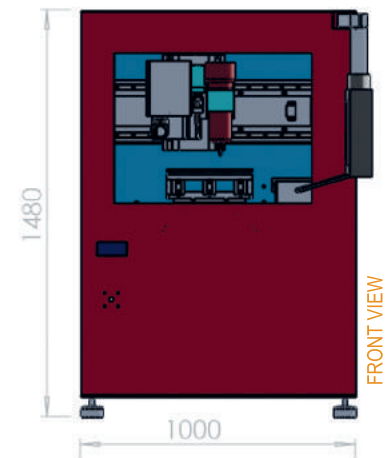
PERIPHERALS 4 kW UPS, 100 lt. compressor

CONTROLLER PC Control / Excalibur Software

## PACKING DETAILS

VERTICAL 140x80x170 cms.

WEIGHT Net: 410 kg / Gross: 520 kg



# Banglemaster

## MULTI AXIS CNC MACHINE FOR BANGLE AND RING PRODUCTION



- 60.000 rpm Jager high precision spindle
- Automatic tool changer with taper tool holder
- Panasonic servo motors - 10 servos for 10 independent moving axis
- Extra background motor, diamond cutting head, hammering attachment
- PC based controller software. Easy to convert, track and process. Multi languages support. Free training
- Full dust collection



FULL WORKING ABILITY  
ON RADIUS BANGLES AND RINGS



BACKGROUND, HAMMERING, ENGRAVE  
AND POINT IN CONTINUOUS PROCESS



ENGRAVING ON CONVEX BANGLES  
OR RINGS WITH ANY RADIUS



BACKGROUND DESIGN ON  
CONVEX BANGLES OR RINGS

# B50

## MACHINABLE PRODUCTS

Bangles, wedding rings, round objects

## TECHNICAL SPECIES

VERTICAL MOTOR 60.000 rpm, 1.2 kW - Jager  
ATC (Automatic Tool Changer)

TOOL CHANGER 5 tools standard, 10 tools optional

HORIZONTAL MOTOR 12.000 rpm, 0.75 kW, MTC

DIAMOND CUT HEAD 12.000 rpm, 0.75 kW / 360°

EXTRA HEAD Hammering attachment

POWER 220V, 50/60 Hz, 5.5 kW

MOTORS Servo motors

(750W x 2, 400W x 6, 200W x 2 Panasonic)

WORKING AREA X:500mm, Y: 360°, Z: 200mm

SIZE/WEIGHT 120x75x172cm (body) / 800 kg

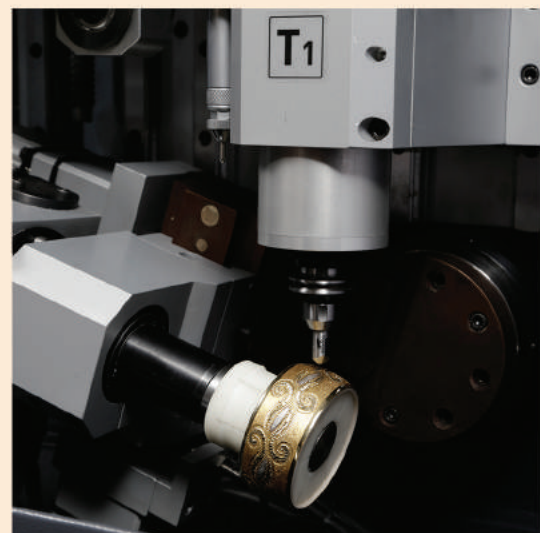
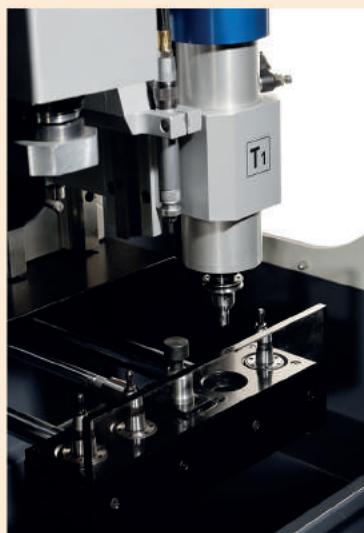
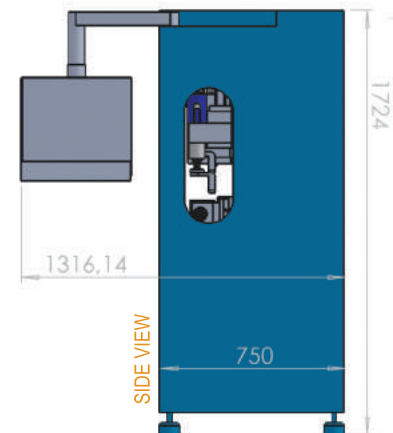
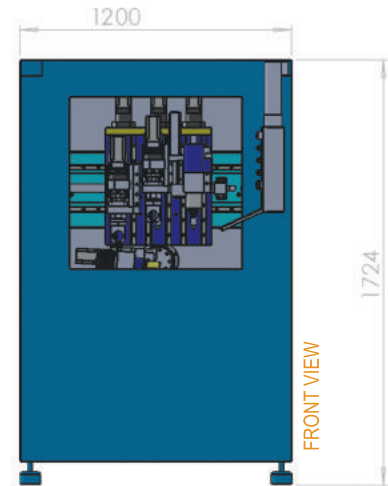
PERIPHERALS 6 kW UPS, 100 lt. compressor

CONTROLLER PC Control / Banglemaster Software

## PACKING DETAILS

VERTICAL 160x85x200 cms.

WEIGHT Net: 800 kg / Gross: 950 kg





Choosing diamonds for production

Antwerp, 2005



Practising in gold production  
(Cemal Bulunmaz, 7 years old)

Istanbul, 1989



Bulunmaz billboard in Russia since 2006

Kostroma, 2015



Hilmi Bulunmaz in Istanbul  
Jewellery Fair in early days

Istanbul, 1992



Diamond cut classes in jewellery university in Russia

Kostroma, 2018



With jewellery students

Kostroma, 2018



In jewellery capital of Germany

Pforzheim, 2003



Bulunmaz Showroom in Istanbul

Istanbul, 2017





Hong Kong, 2015



Ho Chi Minh City, 2015



Las Vegas, 2015



Istanbul, 2018



Vicenza, 2018



Surabaya, 2015



Mumbai, 2015



Penang, 2017




















Istanbul, 2015



The world-wide exhibitions you can meet us in 2019

## Exhibitions 2019

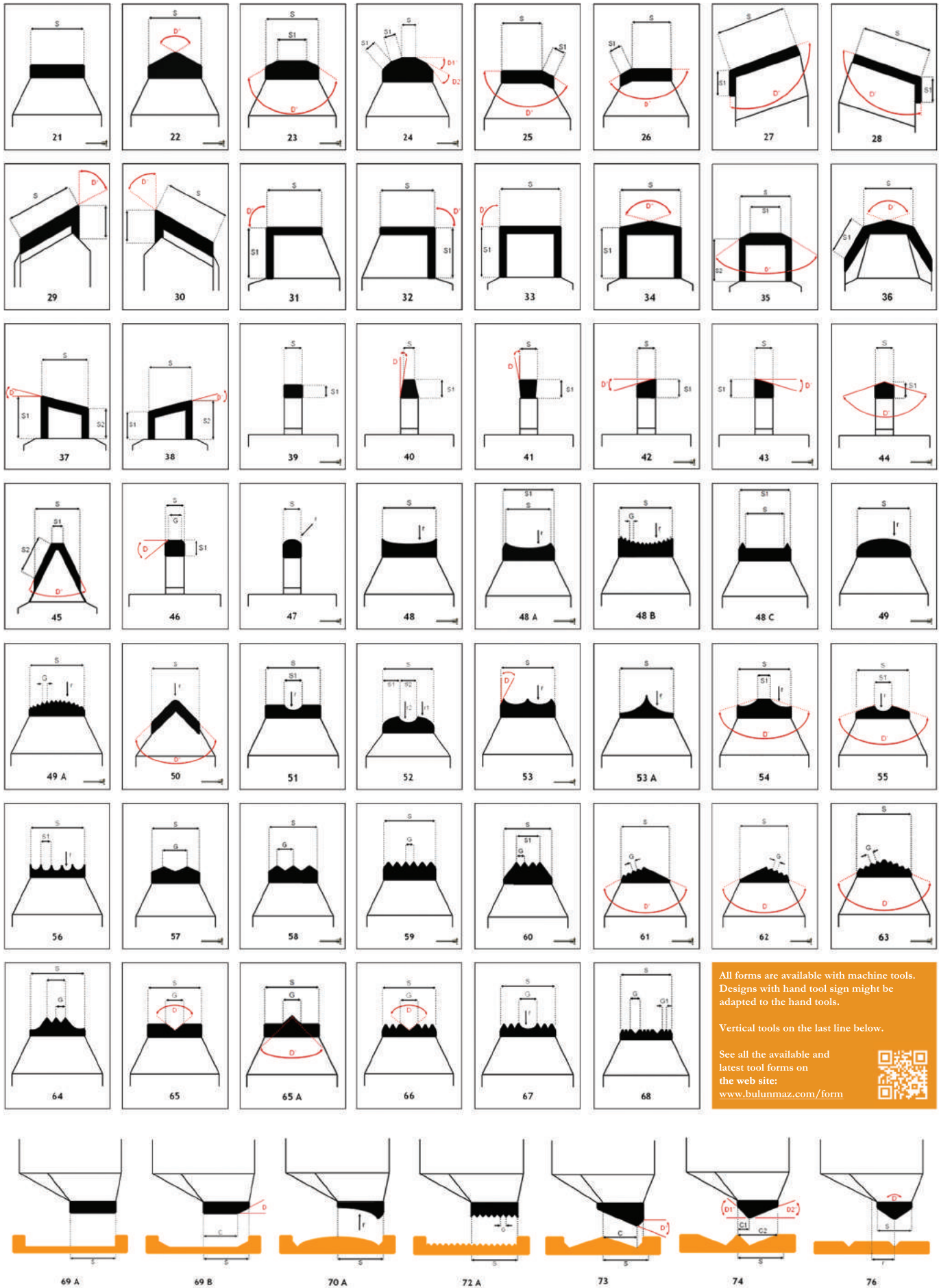
Exhibition	City & Country	Dates	Booth
 VicenzaOro First T-Gold	Vicenza, Italy	18-23 January 2019	Hall 9 / Booth 115
 Junwex St. Petersburg	Petersburg, Russia	6 - 10 February 2019	No booth information yet.
 Bangkok Jewellery Show	Bangkok, Thailand	February 2019	WW 20-22 / XX 19-21
 Hong Kong Jewellery Show (T-Gold)	Hong Kong	28 February - 4 March 2019	CEC 5B-D19
 Istanbul Jewellery Show	Istanbul, Turkey	21-24 March 2019	5R 52-56 / 5S 51-55
 Oro Arezzo	Arezzo, Italy	4-7 May 2019	320
 JCK Las Vegas	Las Vegas, U.S.A.	31 May - 3 June 2019	B-62066
 Hong Kong Jewellery Show (T-Gold)	Hong Kong	20 - 23 June 2019	5G906
 Isfahan Gold	Isfahan, Iran	July 2019	No booth information yet.
 Mumbai Jewellery Show	Mumbai, India	August 2019	No booth information yet.
 Penang Signature Gold Fair	Penang, Malaysia	August 2019	D 09-11
 Bangkok Jewellery Show	Bangkok, Thailand	September 2019	No booth information yet.
 Hong Kong Jewellery Show	Hong Kong	18 - 22 September 2019	5G724
 Junwex Moscow	Moscow, Russia	September 2019	No booth information yet.
 Istanbul Jewellery Show	Istanbul, Turkey	October 2019	Hall 3 / 3A 01-05
 Surabaya International Jewellery Fair	Surabaya, Indonesia	October 2019	Tooling D5
 Vietnam International Jewelry Fair	HCMC, Vietnam	November 2019	No booth information yet.



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

[www.bulunmaz.com](http://www.bulunmaz.com)

# TOOL FORMS



All forms are available with machine tools. Designs with hand tool sign might be adapted to the hand tools.

Vertical tools on the last line below.

See all the available and latest tool forms on the web site: [www.bulunmaz.com/form](http://www.bulunmaz.com/form)



[www.bulunmaz.com](http://www.bulunmaz.com)



[facebook.com/bulunmaztools](https://facebook.com/bulunmaztools)



[instagram.com/bulunmaztools](https://instagram.com/bulunmaztools)



**BULUNMAZ TURKEY**

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LOCAL AGENT

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