



# Navbharat Carbon Co

HOUSE OF JEWELLERY MAKING TOOLS



**Tools**

**3D Printer**

**Consumables**

**Electro Plating**

**New Age Technology**

**Alloys**

**2024 - Edition**

**Jewellery Catalogue - 27**

Welcome to the world of ultra modern jewellery making tools, consumables and machinery provided to you, by **Navbharat Carbon Company**. This organization has been your friendly tool provider for over 40 years. The extensive range & excellent quality of our products provide our esteemed customers with the best of the world right here in India. The unbelievably low prices and excellent service provided by over 7 sale outlets including our sale partners, our reach in the country is unmatched. Our organization employs over 100 employees all over India, engaged in manufacturing, marketing, testing and quality control. We are India's largest manufacturer of graphite crucibles used for melting metal and various uses. We are the official distributors of:

**Busch & Co. (Germany), Vallorbe (Switzerland), Ransom & Randolph (U.S.A.), GRS (U.K), Castaldo, United P.M.R (U.S.A), Ferris (U.S.A), Foredom (U.S.A.), Saeshin (Korea), & exclusive distributors for Brightboy / Cratex (U.S.A), Freeman (U.S.A), Wacker (Germany), Rekrow (Taiwan) & Berkem (Italy).**  
This catalogue consists of the extensive range of crucibles, tools & consumables in the following section.

### Graphite Crucibles

.. Melting	1/2
.. Casting	2
.. Stirrer	3

### Ceramic Crucibles

.. Melting	1
.. Platinum Melting	3

### Cupels

	3
--	---

### Karat Alloys for Gold

.. Yellow Gold	4
.. Pink Gold	5
.. Red Gold	5
.. Green Gold	5
.. White Gold	5
.. White Gold Ni Base	5
.. White Gold Pd Base	5

### Alloys for silver

	6
--	---

### Premixed Silver Alloy

	6
--	---

### Solders

	6
--	---

### .. For Gold / Silver

	6
--	---

### .. For Platinum

	6
--	---

### Brass & Bronze

	6
--	---

### Metals

	7
--	---

### Soldering Powers

	7
--	---

### Investment Powders

	8/9
--	-----

### Injection Waxes

	10
--	----

### Castaldo Rubbers

	11
--	----

### Wacker Liquid RTV Rubber

	11
--	----

### Indian Rubbers

	11
--	----

### Casting Accessories

	12/13
--	-------

### Koras Electro Polishing Machine

	14/16
--	-------

### B9 Core Series & Resins

	17
--	----

### Busch Burs

	18/24
--	-------

### Vallorbe Needle Files

	25
--	----

### GRS Graver Max G-8

	26
--	----

### GRS Handpiece QC-901

	26
--	----

### Foredom

	27
--	----

### Polishing Compounds

	28
--	----

### Hair Brushes & Buffs

	29
--	----

### Strong Micro Motor

	30
--	----

### Strong Micro Motor Spares

	30
--	----

### Edenta Abrasives

	31
--	----

### Reddish Stone Abrasives

	31
--	----

### Berkem Plating Solution

Plating Solution & Plating consumables	32/34
--	-------

### Machinery

.. Plating	35
------------	----

### Olympus Microscope

.. Microscopes & Optivisors	37
-----------------------------	----

## NEW in CATALOG



**ELECTRO POLISHING MACHINE**



**RSU ECO**



**Pre-Polishing Machine**



**Microscope**



**Compact Digital Microscope**

# Navbharat Carbon Co

## GRAPHITE CRUCIBLE FOR MELTING / CASTING

### Different Grades of Graphite Crucible

200L	ISO Moulded Graphite from Japan
2000	High Density Graphite Crucible used in vacuum / inert atmosphere furnaces
2001	High Density Graphite Crucible
2003	High Density Graphite Crucible priced lower than 2001
2007	Almost similar grade 2003 but cheaper by 40%
2011	Economical and good quality crucible preferred mostly by chain makers
2015	Low value graphite crucible used for economical melting



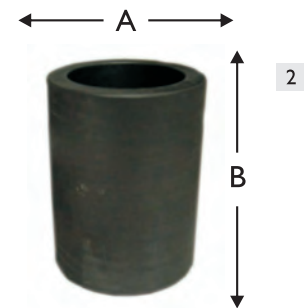
### 1 Collar Type Graphite Crucible

Description	Capacity (gms)	A (mm)	B (mm)
1 kg standard	1000	65	125
2 kg standard	2000	75	165
4kg standard	4000	100	135
1/2 kg standard	900	57	126
1/4 kg standard	250	56	100
Kerr Furnace	3000	101	126
Rajesh Furnace	1000	75	90
Rajesh Furnace	1500	75	100
Rajesh Furnace	1500	80	110



### 2 Cylindrical (Vati) Type Graphite Crucible

Capacity (gms)	A (mm)	B (mm)
10	25	25
25	30	30
50	35	35
100	40	40
200	45	45
300	50	50
300	50	70
500	60	65
1000	65	65
1250	65	75
1500	65	100
2000	75	100
4000	100	175
5000	100	225



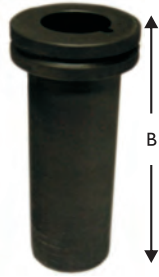
### 3 Induction Furnace Graphite Crucible with Ceramic Envelope

Furnace	A (mm)	B (mm)
Metro Standard	75	125
Metro 4 kg	95	112
Metro 10 kg/F9	131	162
Metro 20 kg	156	173
Metro 0.5 kg	85	73
Shapet 0.5 kg	65	85
Standard 10 kg	130	175
Special 1 kg	72	123
Manfredi ARG	83	110
F1	69	87
F3	83	130
F4	98	132
F6	118	158
F3 D	80	132
F5 D	120	138



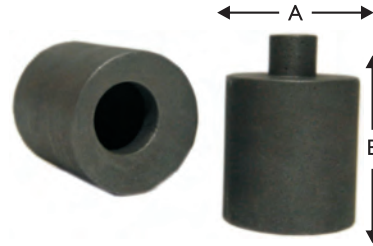
## CRUCIBLES

### 1 Graphite Crucible for Italin Furnace



Capacity (gms)	A (mm)	B (mm)
1000	65	130
1000	65	143

### 2 Centrifugal Casting Graphite Crucible



Capacity(gms)	A (mm)	B (mm)
200	65	90
400	65	100

### Bottom Pouring Crucible For Induction Casting & Graining



Name	Yasui KT - 17 /K2E
Crucible	φ70 X 128
Stopper Rod	φ23.5 X 149



Name	Yasui K3E
Crucible	φ70 X 90
Stopper Rod	φ24 X 136.5
Graining	φ70 X 124



Name	Yasui K5 - K2
Crucible	φ65 X 72
Stopper Rod	φ25 X 133



Name	Neutec JZ
Crucible	φ75 X 125
Stopper Rod	φ15 X 225
Graining	φ75 X 110



Name	Indutherm VC 600
Crucible	φ78 X 120
Stopper Rod	φ12.7 X 180



Name	Indutherm VC 450
Crucible	φ68 X 120
Stopper Rod	φ11.7 X 174



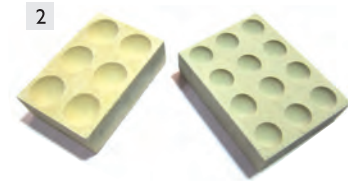
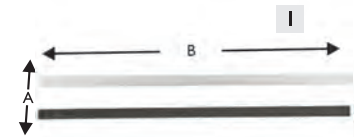
Name	Schultheiss
Crucible	φ76 X 130
Stopper Rod	φ14 X 165
Graining	φ76 X 130



Name	Indutherm Continuous Casting Crucible
Crucible	φ78 X 140
Stopper Rod	φ15 X 193
Die	φ35 X 100

**1 Stirring Rod in Carbon & Quartz**

A(mm)	B(mm)	Ordinary	Fine	Quartz
8	305	✓	✓	✓
10	305	✓	✓	✓
12	305	✓	✓	×
16	450	✓	✓	×
16	405	✓	✓	×



**2 Cupels**

Size

Bone ash assaying cupels available in 12HB, 6 HB and 1HB hole sizes

**Platinum Casting , Melting Crucibles & Ceramic Outers for Induction Casting**



**Indutherm MC Series**



**Seit Machine**



**Indutherm VTC Series Long**



**Indutherm VTC Series Short**



**Gallorini Ultra Flex Crucible**



**Casting Crucible for Yasui Machine**



**Platinum Crucible for Galloni Machine**



**Ceramic outer for Yasui machine**



**Ceramic outer for Yasui KT 17**



**Schultheiss Outer**



**Platinum Melting Bowl (Vati)**

## Alloys from United PMR

### Yellow Gold Alloys

C-Casting, H-Handmade, M-Machining

Code	Color	Carat	Characteristics	C	H	M
UA1	Standard Yellow	9-14 KT	High performance, high reusability	✓	×	×
VHF-10	Greenish Yellow	9-14 KT	High performance, high reusability, Stone-in-place	✓	×	×
278	Greenish Yellow	9-14 KT	High fluidity & tarnish resistant, Stone-in-place	✓	×	×
Na200	Bright Yellow	9-14 KT	For casting in automated casting machines	✓	✓	×
200	Bright Yellow	9-14 KT	Bright colour with silicon & boron deox	✓	×	×
320	Spring Hard	9-14 KT	Hard wire alloy	×	×	✓
805	Greenish Yellow	9-14 KT	Colour match #278	×	✓	✓
820	Standard Yellow	9-14 KT	Excellent rolling, wire & stamping	×	✓	✓
821	Light Yellow	9-14 KT	Grain-Refined, High Surface	✓	×	×
823	Light Yellow	9-14 KT	Excellent, user friendly for sheet, wire & stamping	✓	×	×
824	Rich Yellow	9-14 KT	Same color as UA1 & Chain & tubing	×	✓	✓
291	Rich Yellow	18 KT	Reverse Heat-treatable for fabrication & machining	×	✓	✓
315	Bright Yellow	18 KT	Excellent for Casting & Fabrication, 3N color	✓	✓	✓
720	Rich Yellow	18 KT	Smooth surface, high luster	✓	×	×
725	Rich Yellow	18 KT	Excellent fabrication, Wire and tube making	×	✓	✓
290	Rich Yellow	18 KT	High performance & reusability, stone in place casting	✓	×	×
760	Greenish Yellow	18 KT	Low Deox, 2N color	✓	×	×
765	Greenish Yellow	18 KT	Rolling version of 760	×	✓	✓
790	Dark Yellow	18 KT	Lower Deox than 792	✓	✓	✓
792	Dark Yellow	18 KT	Higher Deox	✓	×	×
795	Dark Yellow	18 KT	Rolling version of 792, Wire and tube making	×	✓	✓
NA200	Bright Yellow	18-22 KT	High performance & reusability, stone in place casting	✓	✓	×
389	Dark Yellow	18-22 KT	Excellent all purpose spring hard alloy	✓	✓	✓
392	Italian Yellow	18-22 KT	High reusability, Tarnish Resistant	✓	✓	✓
394	Dark Yellow	18-22 KT	Very popular for high karat jewelry production	✓	✓	✓
396	Reddish Yellow	18-22 KT	Low Silver, High reusability	✓	×	×
805	Standard Yellow	18-22 KT	Excellent Fabrication for sheet, wire & tube making	×	✓	✓
385	Dark Yellow	20-22 KT	Low silver for making chains	✓	✓	✓
387	Standard Yellow	20-22 KT	Hard with excellent surface luster	✓	✓	✓
390M	Dark Yellow	20-22 KT	All purpose	✓	✓	✓
Ua1	Rich Yellow	20-22 KT	High performance & reusability, stone in place casting	✓	×	×
823	Dark Yellow	20-24 KT	Cobalt based hard alloy	✓	✓	✓
377	Standard Yellow	22 KT	High surface luster, recommended for bangles	✓	✓	✓
854	Reddish Yellow	22 KT	Low silver, high fluidity	✓	✓	✓



## Coloured Alloy

C-Casting, H-Handmade, M-Machining

Code	Color	Carat	Characteristics	C	H	M
NA525	Premium Rus Red	9-18KT	User friendly, high reusability, 5N COLOUR	✓	×	×
520	Russian Red	9-18KT	User friendly, high reusability	✓	×	×
533	Pink	18KT	All purpose	✓	✓	✓
543	Deep pink	9-18KT	Low silver, high fluidity	✓	✓	✓
548	Light Pink	9-18KT	Low silver, Very user friendly, enameling	✓	✓	✓
544	Medium Pink	18KT	Casting and Hand making Alloy	✓	✓	×
534	Rose Pink	18KT	Grain refined, Work ability excellent	✓	✓	✓
536	Dark Pink	18KT	All purpose for dark pink colour. Less loss	✓	✓	✓
540	Premium Pink	9-14KT	High fluidity, for open melting systems	✓	×	×
Na540	Premium Pink	9-14KT	For Stone in place, high fluidity	✓	×	×
575	Green	9-18KT	All purpose, enameling & fabrication	✓	✓	✓
ROM2	Green	18KT	Fabrication	✓	✓	✓

## White Alloy Nickel & Silver based

Code	Color	Carat	Characteristics	C	H	M
980	Silver White	9-10KT	Ni & Pd free alloy, High fluidity & Reusable	✓	×	×
ROM2	Medium White	9-10KT	User - Friendly, Suitable for ear - posts	✓	✓	✓
952	Ultra White	9-14KT	Nickel Safe, Stone in place alloy	✓	×	×
943	White	9-14KT	Nickel Safe, High silver based stone in place	✓	×	×
F1	Natural White	9-14KT	Patented, high fluidity, Excellent colour in 14KT	✓	✓	✓
982	Ultra White	9-18KT	Excellent fluidity, stone in place	✓	×	×
974	Ultra White	9-18KT	Low silver, high fluidity, stone in place	✓	✓	✓
869	Medium White	9-18KT	Soft, user friendly	×	✓	✓
976	Hint of Yellow	18KT	New Economical PD and Nickel free Alloy	✓	×	×
983	Ultra White	18KT	High fluidity, stone in place	✓	✓	✓

## White Alloy Nickel based

Code	Color	Carat	Characteristics	C	H	M
M930	Premium White	9-18 KT	Good Silver free Alloy	✓	×	×
866	Medium White	9-18 KT	Excellent work ability, Soft & Flexible, Nickle safe	×	✓	✓
915	Premium White	14-18KT	High Reusability & Surface Luster	✓	×	×
907	Premium White	14-18KT	Excellent Whiteness, Rhodium plating optional	✓	×	×
860	Ultra White	14-18KT	Good Work ability	×	✓	✓
T5	Medium White	9-18 KT	Low cost, high fluidity	✓	×	×

## Palladium based White Alloys

Code	Color	Carat	Characteristics	C	H	M
PD1	White	9-14 KT	Sulphate bonded regular investment	✓	×	×
PD5	Silvery White	9-14 KT	Low PD content, Soft Alloy	✓	✓	✓
Pd2	VWhite	14-18KT	High Surface Luster	✓	×	×
PD20	Premium White	14-18KT	Excellent Work ability	✓	✓	✓
PD10	Ultra White	18KT	Hand Made	✓	×	×
PD11	Bright White	18KT	Especially for Casting	✓	×	×

## Gold Solder Alloys

Code	Color	Carat	Characteristics
2SA	Yellow	8-14KT	For minor & major repairs
3SA	Yellow	8-14KT	Darker than 2SA - Medium
5SA	White	8-14KT	Nickle & Palladium, free - All purpose
6SA	White	8-14KT	For minor repair - Easy
7SA	White	8-14KT	White medium Solder
18KYSAE	Yellow	18KT	For minor and major repairs - All purpose
18KWSAE	White	18KT	For minor and major repairs - All purpose
11SA	Pink	14-18KT	Light pink or yellow solder
12SA	Pink	8-14KT	All purpose pink solder alloy (darker)
14SA	Pink	18KT	Hard flow pink solder alloy
30SA	Yellow	19-22KT	For minor and major repairs - All purpose

**UNITED**  
PRECIOUS METAL REFINING, INC.

## Alloys for Silver

C-Casting, H-Handmade, M-Machining

Code	Color	Characteristics	C	H	M
S88	White	De-ox & high tarnish resistant, high fluidity			
S57NA	Ultra White	De-ox & tarnish resistant, improved hardness	✓	✓	✓
S95	White	Spring-hard, tarnish resistant	✓	✓	✓
S86	Ultra White	De-ox & high tarnish resistant, high fluidity	✓	✓	✓
S97NA	Super White	De-ox & high tarnish resistant, high fluidity	✓	✓	✓
S93	White	New age alloy with De-ox & cast without fire scale	✓	✓	✓

## Silver Solders

Code	Characteristics
SSA	Suitable for all flow characteristic
Silver Soft	Suitable for soldering delicate attachments like heads, findings, etc
Silver Medium	Suitable for small repairs jobs like porosity etc
Silver Hard	Hard Solder

## Platinum Solders

Code	Characteristics
1300 C Easy	90% Platinum
1000 C Easy	Repair Solder



## Premixed Silver Alloys - 925 Sterling Silver

Code	Color	Characteristics
Sterilium	Dazzling White	Sterling silver with hard & anti-tarnish property
Silvadium	Metallic White	PD based, High Performance & tarnish resistance with hardness
STAGCG 97NA	Super White	High Performance, high tarnish & improved hardness
STAGCG 86	Ultra White	High tarnish resistance & economical
Platilite	Brilliant White	Platinum based. User Friendly



## United PMR Brass & Bronze

Code	Color	Carat	Characteristics	C	H	M
338	Rich Yellow	Brass	Master, Models & Brass Products	✓	✓	✓
341	Antique Yellow	Bronze	Master, Models & Brass Products	✓	✓	✓
342	Std. Yellow	Bronze	Master, Models & Brass Products	✓	✓	✓
347	Std. Yellow	Brass	Master, Models & Brass Products	✓	✓	✓
371	White	Bronze	Master, Models & Brass Products	✓	✓	✓
372	Vanilla White	Brass	Master, Models & Brass Products	✓	x	x
650	Std. Yellow	Brass	Master, Models & Brass Products	✓	x	x



**PURE METALS**



**OXYGEN FREE COPPER**



**INDIUM**



**ZINC**



**CADMIUM**



**NICKEL**



**PALLADIUM**



**PLATINUM**



**BISMUTH ALLOY**



**GALLIUM**

**Generic Brass & Bronze**



**Brass**



**772**



**768**



**M810**

**Italian Soldering Powders For Gold Chains**

Name	Characteristics
SI03AG	Used to solder Gold & Metal chains
SI03AG Super Fine	Used to solder light weight chains



**Italim Pianti Soldering Powders**

Name	Characteristics
BI	Used to solder chains of 14-18-22 KT
BIAG	Used to solder chains that go under great mechanical stress



**BI**

**BIAG**

**Legor Soldering Powders**

Name	Metal	Characteristics
ZNPI	Gold	Used to solder Gold & Metal chains
ZNP	Gold, Silver	Used to solder Chains that go under great mechanical stress



**ZNP**

**Sand Glass Beads**

Code	Microns	Type
AB	180 - 300	Coarse
AD	106 - 212	Medium
AH	45 - 90	Fine
AI	PAN - 53	Fine



**Sand Glass Beads**



**SETTING THE STANDARD Investment Powders**

**SRS Classic**



Classic investment powder is very good for gold casting.

**SRS Stonecast**



Stonecast Investment Powder is very good for stone in place casting.

**SRS Silk**



Silk is the finest quality Investment Powder made by SRS for plain casting.

**SRS Eurovest**



Eurovest is an economical Investment Powder for large scale commercial casters, giving them excellent value for money.



**Investment Powders**

**Satin Cast 20**



This Premiere Casting Investment is often called the "most forgiving" & is a favourite among the world's elite jewellers.

**Satin Cast Diamante**



This investment is specially formulated for stone in place casting while offering the benefits of satin cast 20.

**Kerr Cast 2000**



A precision casting investment that exceeds most jewellery investments on the market today.

**SC RP**



SC-RP is an excellent investment powder, designed specially for resin and RTP Casting



**Investment Powder**

**R&R Platinum Plus**



R&R Platinum Plus produces Superior Platinum Investment The Investment is capable of same day or overnight burnout decreasing process time

**Resin casting powders**

**SRS Cadcast**



Cadcast is used for resin casting.

**GRS procad**



Cad Cast Best used with GRS procad Barrier liquid.

**PT - 900**



PT - 900 Produces high quality platinum casting



**HYDRACAST**  
CASTING PLASTERS

## GRS Casting Plaster Made In Staffordshire, England

### Stoneset



Stoneset Investment powder is very good for stone in place casting.

### Apollo



Apollo Investment powder is very good for gold casting.

### Maximus



Maximus is the finest quality investment made by GRS, Also used for resin casting.

### Quantum



Quantum is the finest quality investment made by Hydracast

### Duracast



Duracast Investment powder is very good for yellow & gold casting

### PRO HT



Pro Ht Investment powder is for platinum casting

### Maximus PLUS



Maximus + Investment powder is for high end gold casting

### Argento



Investment powder for Gold , Silver & Brass

### Ottone



Investment powder for Silver & Brass

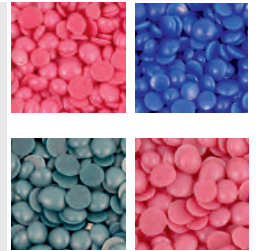


Name	Injection Temp	Flow	Flexibility	Carvability	Shrinkage	Memory	Shelf Life	Readability	Solidification Time	Application
<b>FREEMAN</b>										
Filligree Pink	68	High	Med	Low	Low	Med	High	Med	Med	Easy Removal from Mould W/o Breakage
Turquoise Blue	65	High	Med	Low	Low	Med	High	High	Med	Best for "stone in place casting"
Aqua Green	65	High	Med	Low	Low	Med	High	High	Med	Best for "stone in place casting"
Tuff Guy Green	73	Med	High	Med	Low	Med	High	High	Med	Toughest
Flexible Blue	68	Med	High	Med	Med	High	High	Med	Med	Long Shelf life, Highest Flexibility



**FERRIS Waxes beads**

Magna Pink 2364 PK	68	High	Med	Med	Low	Med	Med	High	Med	Extremely Fluid, good For Filligree work
Magna Blue 2364 B	68	High	High	High	Low	Med	High	High	Med	Extremely Fluid, good For Filligree work
Ultra-ject Turquoise	66	High	Med	Low	Low	Med	High	High	Med	Super Tough
Dark Blue 4626 DB	68	High	Med	Low	Low	Med	High	High	Med	Specially for stone setting
Royal Pink 3250 B	68	Med	Med	Med	Low	Med	Med	High	Med	All purpose and fine detailing



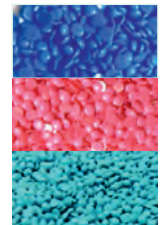
**JWL Wax**

Standard Pink	74	High	High	Med	Low	Med	High	Med	Med	High quality All Purpose Wax
Standard Green	74	High	High	Med	Low	Med	High	Med	Med	High quality All Purpose Wax
Standard Blue	74	High	High	Med	Low	Med	High	Med	Med	High quality All Purpose Wax



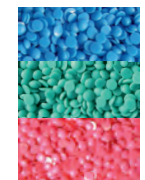
**GRS Wax**

Aurum	74	High	High	Med	Low	Med	High	Med	Med	High quality All Purpose Wax
Argento	74	High	High	Med	Low	Med	High	Med	Med	Good quality All Purpose Wax
Ottone	68	High	Med	Med	Low	Med	Med	High	Med	Economical All Purpose Wax



**Chinese Wax**

Sterling bronze	68	High	Med	Med	Low	Med	Med	High	Med	High quality All Purpose Wax
Auro gold	74	High	High	Med	Low	Med	High	Med	Med	Economical All Purpose Wax



**Speciality Waxes**



Plast-o-Wax : Very high memory and pattern life



Golden River Wax Additive to increase fluidity



Optical Soluble Wax for hollow jewellery

**Ring Tubes Blocks**



**Ferris Blocks**



**Ferris Slices**





## Castaldo Natural Rubber

Vulcanizes at 152°C for 7.5 minutes for every thickness ( 3.2mm )

### Castaldo White Label

Has a very high concentration of pure natural gum rubber which makes it resilient and pliable, qualities valued by the mould cutter. These moulds are made best from white label strip. It's a more firmer rubber than gold label.



### Castaldo Gold Label

Has a very high concentration of pure natural gum rubber which makes it very soft and pliable. The superior quality saves the mould cutter on labour costs when used on difficult moulds containing undercuts. More beneficial for thicker moulds

### Castaldo Silicon Rubber

Vulcanizes at 165 C - 177 C for 15 minutes per 6mm



### Super High Strength

### Econosil

Econosil is putty material, harder, firmer and an affordable version of Castaldo Super High Strength. It makes Stronger rubber mould and gives waxes a high shine finish for early release from mould. Sold in 5 lbs Box. Brick Red in colour.

Silicone rubber which cuts like butter. It produces a firm mould with excellent flexibility and tear strength strong enough to make complex moulds. Available in standard yellow and gelato rainbow colours. Sold in 5 lbs pack.



### Rapido

Castaldo Rapido is a soft clay or putty like material that is easy to work with. It produces highly detailed wax injections with an excellent shiny surface that requires less finishing. Self releasing and need no release spray or messy powder. Moulds are easy to pack and cut like butter. Rubber shrinkage is only 1.4%.

## RTV Rubbers

### Castaldo Quicksil



A no shrinkage moulding rubber that makes tough, long lasting production moulds. It gives a high shine finish. No vulcanizer needed. It is self lubricating so no release spray needed.

The moulds made from this can be used for a long time. Quicksil can be used for making wax pattern or direct casting of low cast metals such as tin etc. Moulds are made almost instantly



### Zhermack RTV HT33 & HT45

Mixing Ratio	Form	Colours	Working Time	Setting Time	Hardness (ShA)
1:1	Liquid	Translucent	20-22 Min.	3 hours	33
1:1	Liquid	Translucent	20-22 Min.	3 hours	45



### Wacker Silicon Liquid RTV Rubbers



0% Shrinkage RTV Rubber.  
 -Transparent Rubber.  
 -Easy to use and pour.  
 -Excellent Finish to wax piece and long life  
 -Dies are like production moulds  
**Grades available**  
**M464I A & B - Lower Viscosity**

### Wacker Silicon Rubber



Firm mold rubber with excellent flexibility and tear strength strong enough to make complex molds. Available in strips.



### Indian Silicon Rubber

Available in roll and strip  
 In yellow, pink, blue & Orange/  
 Blue silicon Strip

## Casting Accessories



### AND Digital Caliper



AND Co Ltd, Japan produced budget price Digital Caliper. Smooth movement and constant repeatable readings. Made in China. Designed, controlled QC in Japan

Model	AD-5764A-100	AD-5764A-150
Measuring Range	0.01-100mm	0.01-150mm
	0.01mm / + -0.03mm	
Weight/Dimensions	95g/167 mm	165g/235mm
Battery	SR44 battery x 1	Cr2032 battery x 1

### Mitutoyo Mitutoyo Digital Caliper



Mitutoyo's worldwide popular high performance digital calipers.

Model	CD-10APX	CD-15APX
Measuring Range	0.01-100mm	0.01-150mm
Resolution/Instrumental Error	0.01mm / + -0.02mm	
Weight/Dimensions	143g / 182mm	168g/233mm
Battery	SR44 battery x 1	

### REKROW Micro Torch



REKROW 2050

They are best suited for soldering , with a maximum temperature of 1300 C & adjustable flame. A whole range of spares are also available.



### Bergeon Ring Sticks

Quality & great precision for ring measurement available in aluminum anodized, natural grey & in pellerin high quality plastic . Length = 250 mm

#### Grades Available

**5235** - I,2,3,4 ...FR: I-36 / L 41 - 76 mm **5235-4** -I,2,3,4 ...FR: I-36 / L 41 - 76 mm  
I,2,3,4 ...US: I-15/ 13.0 - 24.2 I,2,3,4 ...US: I-15/ UK: D-Z



Aluminum



Pellerin White



Pellerin Black



Digital Ring Stick

### Silicon Gasket



Dia of rings available 1.5" .2" .2.5" 3.5 ,4",5". We also make as per customers requirement. The rubber used are the finest and long lasting.

### Mould Cutting Blade



Blades available in sizes 11/12 of SURGEON brand. Long lasting. In packs of 100 blades

### Silicone Spray



Used for mould release. Content 310 gm (550ml)  
a) Silkot Silicon Spray  
Economical Silicon spray for mould release.

### S S Flask



Available in dia of 1.5" ,2.0" , 2.5" 3.0" , 3.5" ,4.0" and in length of 2".3",4",5", 6"7",8". Ready stock with 3 mm thickness and in SS 304 Grade. Also made in SS 316 Grade

### Rubber Sprue Base



Dia of base available with us 2",2.5",3",4". With 1/2/3 cavity in various sizes. We also have some of the odd sizes and also make as per customer requirement. The rubber used are the finest and long

### Aluminium Die for Sprue



### Asbestos Hand Glove



Available in sizes of 14" and 18". Made out of finest asbestos, protects from heat and fits best.

### Wax Solder



Best soldering iron with temperature control and separate control unit and tip

## Casting Accessories



**Lindstorm Cutter 8140**

High quality European prong cutter



**LindStorm Cutter 8160**

High quality European prong cutter with bigger jaw.



**Bergeon Cutter & jaws**

Highest quality, Sturdy, double reduction sprue cutter blades from Switzerland. Especially useful for cutting pieces of casting.  
Cutting width: 22mm. Total length : 260

## Japanese Sprue Cutters



**Gn200**



**GN200J**



**NP-125**



**Yamato Cutter**



**PNP-125G-S**



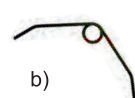
**MTC 2D Chinese Prong Cutter**

Sturdy red prong cutter

## Spares for Bergeon Sprue cutter

Jaws

Spring



**Taiyo Bolt Cutter**

Available in sizes of 12" - 14" - 18" - 24" - 30" - 36"  
Cutters are imported from Japan they are of high quality and are long lasting.

**HIT Bolt Cutter**



Available in sizes of 12" - 14" - 18" - 24" - 30" - 36"  
Cutters are imported from Taiwan, they are of high quality and are long lasting.



## Nile Sprue Cutter

Nile Sprue Cutter cuts through any hard metal effortlessly. The MP35A Cutter is available with Z8P jaw, Hose UH2 & Foot pedal FB70S.

Product Name Nile Sprue Cutter

Model MP35A

Overall length 268mm

Diameter 56mm

Power/midway on blade 450kg

Air pressure 5-6kg/cm<sup>2</sup>

### Spares for Nile Sprue cutter

a) Z8P blades Foot Pedal FB70S

b) S7P blades Stand for MP35A

Foot Pedal FB70S

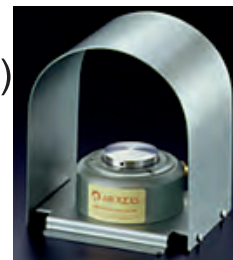
Stand for MP35A



a)



c)



d)



## Koras® Aqua-Pol 100

Electro-polishing is the most gentle and cleanest way to give jewellery pieces a smooth, ultra-pure surface which can then be further processed.

The new Aqua-Pol® compact system achieves this quickly and economically with precision and only requires a small amount of space. This is made possible by its ingenious design with internal running rotors.

**New innovation for greater durability: all housings in powder-coated steel.**

### Applications:

Polishes gold, silver, brass, bronze and stainless steel

- polishing of cast, 3D-printing, electroforming pieces
- polishing of filigree parts without changing the shape
- cleaning of tarnished pieces



Koras® GmbH has developed process liquids whose qualities are considerably superior to standard electrolyte. Effectiveness in a wide range of applications, easy handling and a long service life – the electrolyte from Koras® GmbH achieves measurable advantages

## Koras® Aqua-Pol Picco

Aqua-Pol® Picco-Vario suitable especially for small quantities up to 16 Jewellery pieces.

Software upgrade and alternative top available to increase performance for 24 or 32 parts



Practical new feature: The interchangeable tank. The electrolyte remains in the tank and as a result does not have to be replaced to process a different metal. The tank is easy and quick to replace

### Specifications of Aqua-Pol®

	Aqua-Pol® 200	Aqua-Pol® 100	Aqua-Pol® Picco-Vario	Aqua-Pol® Picco-Vario
Dimensions (L x D x H)	1406 x 870 x 1462 mm	730 x 470 x 520 mm	580 x 400 x 410 mm	580 x 400 x 410 mm
Weight	266 kg	58.3 kg	32.6 kg	32.6 kg
Capacity	192 rings	96 rings	16 rings	32 rings
Power supply	220 - 240 V	220 - 240 V	220 - 240 V	220 - 240 V
Power consumption	2.3 kW	1.1 kW	0.3 kW	0.3 kW



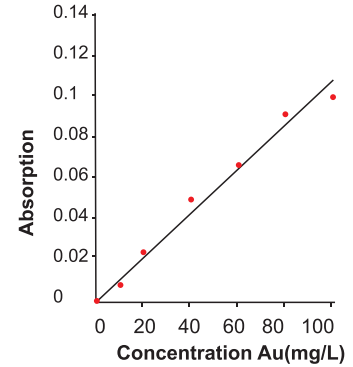




## Photometric Determination of Gold and Silver in RSU Solutions

### Simple Procedure

- Fill 2 ml sample into test tube
  - Add subsequently 5 reagents
  - Transfer organic phase into photometric cell
  - Wait 30 min
  - Measure absorption/concentration
- Analysis Kit cpl including photometer and chemicals for 75 analyzes



## Resin Recovery System to recover trace precious metals RSU 100

### Resin Unit

The unit contains a series of selective resins to recover precious PGM & AU metals from the incoming solution. Non precious metals (Cu, Zn etc) pass through to the pre treatment storage tank with the waste solution before proceeding to the neutralization tank. This unit can filter up to 200 liters per hour.  
 Fitted with : 3 Columns, 2 round bottoms Dn300, 3 Dn25 flanges  
 1 Column resting base  
 PP nozzles

### Storage tank

500 l capacity, with containment tank.  
 Fitted with:  
 1 magnetic pump  
 PP body with flow regulator Valves  
 1 Non-return valve  
 1 Level control



## Pre-Polishing Machine

This is a universal machine used for all the wet processes of finishing –Roughing, Sanding and Polishing on jewelry parts, all ferrous alloys especially stainless steel. The machine uses vibration effect that is transmitted to a polyurethane tank by an adjustable masses vibrator. Thus, the materials placed inside the tank gets three kinds of motion: centrifugal, helical and vibrant. Their combined action, together with water and abrasive materials (with liquid compounds or paste) makes it possible to achieve superior levels of finishing



## Spare parts for koras



Hanger jig for bangles & bracelets. Aqua pol 100



Hanger jig for long chain. Aqua pol 100



Hanger jig Aqua pol picco



Hanger jig for long chain & necklace Aqua pol 100

**RESIN RECOVERY SYSTEM TO RECOVER PRECIOUS METAL  
ION EXCHANGER SYSTEMS RSU ECO**

These ion exchanger systems are the economic alternative for all those who prioritise quality and functionality. The RSU ECO recovers the last gram of precious metal remaining in the process. The resulting ion exchanger resin with the precious metal bound in it is then returned to the recycling process after the refining process. This enables a loss free recycling process.

System components:

- > glass-fibre epoxide resin cartridges
- > compressed air membrane pumps
- > flow meter
- > storage tank



**Gold Recovery  
from any spent solution**

Technical Data:	RSU 5 ECO	RSU 10 ECO	RSU 25 ECO
Capacity	5 l/h	10 l/h	25 l/h
Containers	120 l	200 l	400 l
Dimensions(mm)	700 x 400 x 1000	800 x 400 x 1000	800 x 500 x 1400
Weight	50 kg	70 kg	100 kg

**GOLD REFINING TUMBLER TB 07**

**Technological leader in the field of recycling systems**

- > Compact, space-saving, modular recycling series
- > Capacity: 2.5 -120 kg precious metal within 8 hours
- > Easily extendable through modular design
- > The dissolving tank angled at 30° rotates. This realises an excellent mixing process with the precious metal granules continually grinding against each other. This process serves to remove the silver chloride from the alloy surface and then finally dissolves it.
- > Heating is not required
- > Condenser in SCHOTT glass
- > Dissolving medium aqua regia ( HNO3 +HCL)
- > The complete unit is located under an exhaust hood and in a drain tray
- > Acids and solvents are not conveyed through pressing but by suction (vacuum)



Technical Data:	NEW TB 2	TB 7	TB 15	TB 30	TB 60	TB 120
Power supply	400 V three phase	400 V three phase	400 V three phase	400 V three phase	400 V three phase	400 V three phase
Power	0.3 kW	0.8 kW	0.8 kW	0.8 kW	2 kW	5 kW
Quantity refinable every 8hrs	2-2,5 kg	7 kg	15 kg	30 kg	60 kg	120 kg
Dimensions (mm)	1200 x 670 x 1120	1400 x 1040 x 2060	1950 x 1080 x 2340	1950 x 1080 x 2340	3200 x 2000 x 3200	3600 x 2200 x 3600
Weight (approx.)	80 kg	250 kg	350 kg	400 kg	550 kg	650 kg



## B9 CORE SERIES 3D Printer



The new **B9 Core 5 Series XL** has a build volume nearly 5 times the B9 Core 530 and 2 times the B9 Core 550, the B9 Core 5 Series XL offers a digital manufacturing solution that eliminates the need to choose between a larger build area and high-precision. Enabled with patent-pending FAST™ □ technology, it delivers volume production and effective resolution finer than 25µm.



B9 Core Series			
Technical Data	B9 Core 530	B9 Core 550	B9 Core XL
PIXEL SIZE X,Y	30 µm	50 µm	<25 µm
BUILD SIZE X,Y,Z	57.6 x 32.4 x 127 mm	96 x 54 x 127 mm	124.8 x 70.2 x 127
BUILD SPEED*	40-120+ mm/hr	25-100+ mm/hr	25-100+ mm/hr
Z RESOLUTION	10 µm*		
LIGHT SOURCE	Industrial HD UV LED Light Engine - 405nm		
SOFTWARE	Included with lifetime updates		
CONNECTIVITY	Wi-Fi, Ethernet & USB drive		
SYSTEM SIZE	597 x 419 x 267mm (23.5 x 16.5 x 10.5")		
SYSTEM WEIGHT	19.5 Kg (43 lbs)		
POWER	12VDC 5A		
SUPPORT	1-year warranty with factory start-up assistance		

\*Material, model geometry, and slice thickness dependent

## B9 Scan - 500

The most intuitive 3D scanner for speed, accuracy & simplicity.



Technical Data	
TECHNOLOGY	Structured LED Light
CAMERA RESOLUTION	1.3 Megapixels
3D ACQUISITION VOLUME	90 x 80 x 55mm
ACCURACY	5µm
OUTPUT FORMATS	STL, PLY, OBJ, ASC
SUPPORT	Free lifetime support & start-up assistance

### Perfect Fit For

- Shadow Bands
- 3D Heirloom Reproduction
- Gemstone Scanning
- Jewelry Repair
- Necklace & Bracelet Link Replication

### How Does it Work?

- Scan pieces in under 5 minutes
- Capture a perfect replica
- Design a complimentary piece



## Curing Box

The B9 Model Cure is a compact, high-intensity UV post-curing solution for resin models in applications such as jewelry, prototyping, model making, and more. The B9 Model Cure's powerful design dramatically reduces curing times compared to other curing units.



## B9 Wash

Automate your post-processing with thorough, no-mess cleaning. Parts can be transferred directly from the printer to the B9Clean while still on the build platform or as loose models on the part tray.

10 minutes

Approximate clean time with fresh isopropyl alcohol (IPA)

1.3 liters IPA volume for B9Clean container

Uses 75% less cleaning solution than other wash units

Can hold up to 2 liters for larger parts

Amount of uses per IPA refill regular use: 50 uses

## Resins



### B9R-1-RED

1 KG (2.2 lbs) bottle. A castable resin pigmented for thicker slicing & faster printing

### B9R-3-EMERALD

Emerald provides clean burnout without staining the Investment, It enables casting of thicker objects & prints with excellent details.

### B9R-4-YELLOW

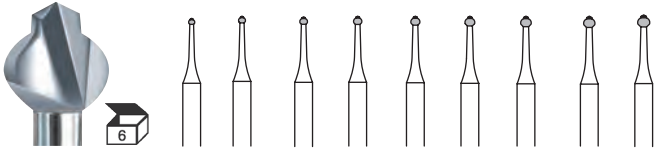
Leaves no ash & prints with excellent detail to show the finest features of any design. For jewellers looking at attaining complete burnout & castability

### B9R-1-CHERRY

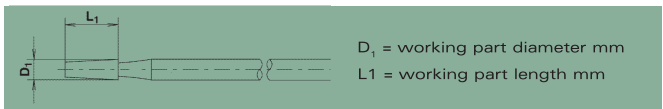
1 KG (2.2 lbs) bottle. A castable resin pigmented for thin slicing and sharp details

**PavéCut 447 steel**

**NEW**

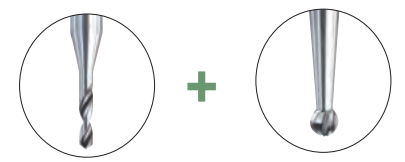


447	008	009	010	011	012	013	014	015	016
D1	0,80	0,90	1,00	1,10	1,20	1,30	1,40	1,50	1,60
L1	0,80	0,90	1,00	1,10	1,20	1,30	1,40	1,50	1,60



PavéCut Set 447 008-016

**2 in 1**

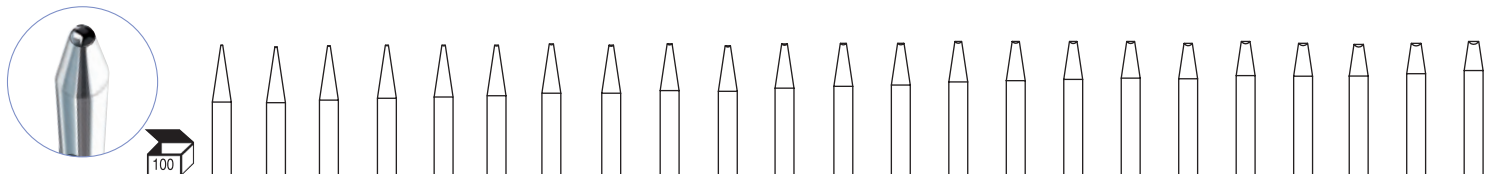


Step 1                      Step 2



From now on you only need one tool for pre-drilling, shaping and enlarging when creating pavé setting.

**Beading Tools 2.0**



BT	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22
Ø 1/100 mm	025	030	035	040	045	050	055	060	065	070	075	080	085	090	095	100	105	110	115	120	125	130	135

**Also sets available!**



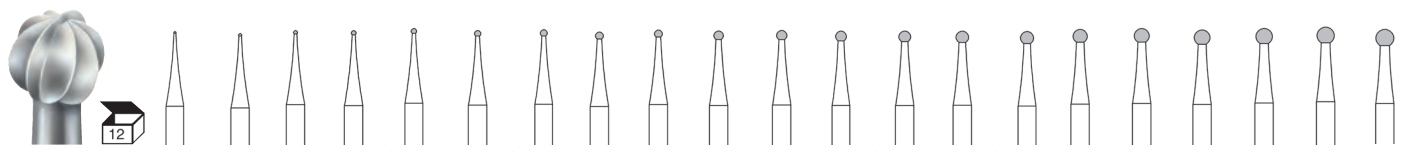
BT TOOL-Set 03-08      BT TOOL-Set 09-14

With our beading tools 2.0 you will achieve even better results. Please observe the optimum formed high-gloss calotte and the filigree circumferential edge on the working part.

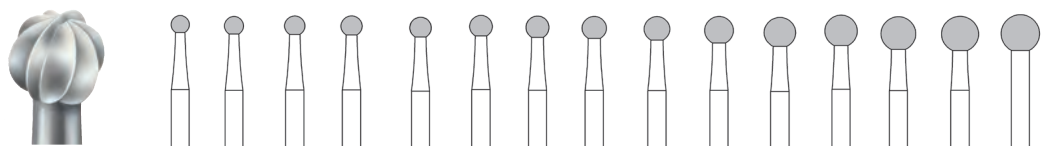


The shank can easily be shortened at the predetermined breaking point if required. The clearly legible laser marking shows our logo and the BT size.

**Round**



BUSCH 1*	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023
D1	0,30	0,40	0,50	0,60	0,70	0,80	0,90	1,00	1,10	1,20	1,30	1,40	1,50	1,60	1,70	1,80	1,90	2,00	2,10	2,20	2,30



BUSCH 1*	024	025	026	027	028	029	030	031	033	037	040	042	045	047	050
D1	2,40	2,50	2,60	2,70	2,80	2,90	3,00	3,10	3,30	3,70	4,00	4,20	4,50	4,70	5,00

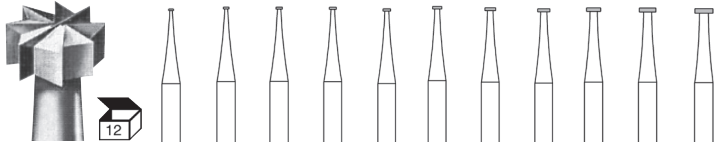
 = packaging unit

\*also further sizes available



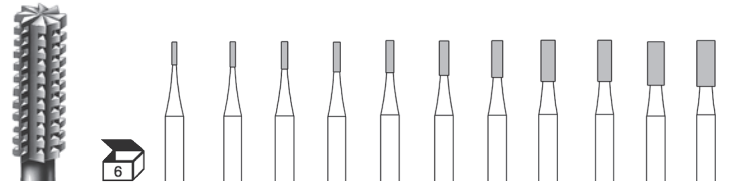
There is no substitute for quality

**Wheel**



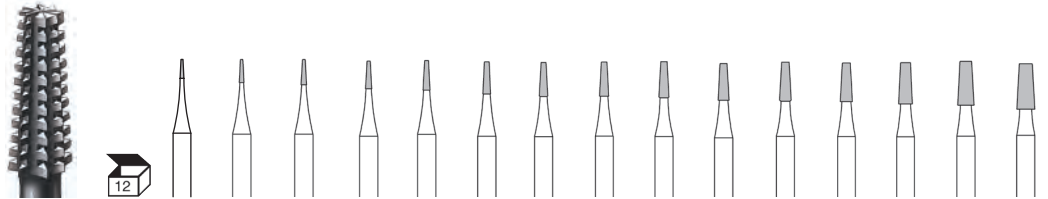
BUSCH 3*	006	007	008	009	010	012	014	016	018	021	023
D1	0,60	0,70	0,80	0,90	1,00	1,20	1,40	1,60	1,80	2,10	2,30
L1	0,21	0,23	0,25	0,27	0,30	0,33	0,36	0,40	0,45	0,53	0,58

**Cylinder**

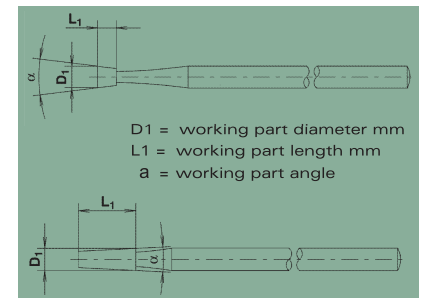


BUSCH 36*	006	007	008	009	010	012	014	016	018	021	023
D1	0,60	0,70	0,80	0,90	1,00	1,20	1,40	1,60	1,80	2,10	2,30
L1	3,00	3,30	3,60	3,90	4,20	4,50	4,80	5,10	5,40	5,70	6,00

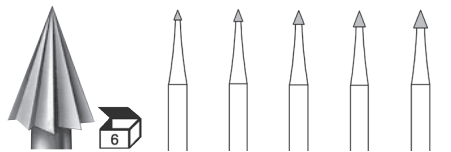
**Cone**



BUSCH 38*	005	006	007	008	009	010	011	012	013	014	015	016	018	021	023
D1	0,50	0,60	0,70	0,80	0,90	1,00	1,10	1,20	1,30	1,40	1,50	1,60	1,80	2,10	2,30
L1	2,50	3,00	3,30	3,60	3,90	4,20	4,40	4,50	4,60	4,80	5,00	5,10	5,40	5,70	6,00
a	5,5°	5,5°	5,5°	5,5°	5,5°	6,0°	6,0°	6,0°	6,0°	6,0°	6,0°	6,0°	6,0°	6,0°	6,0°

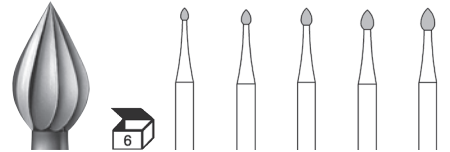


**Pointed**



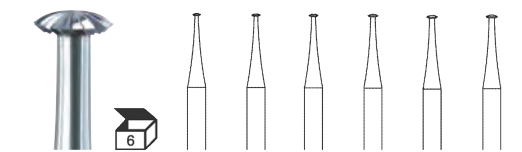
BUSCH 5*	010	012	014	016	018
D1	1,00	1,20	1,40	1,60	1,80
L1	1,30	1,56	1,82	2,08	2,34
a	42,0°	42,0°	42,0°	42,0°	42,0°

**Bud**



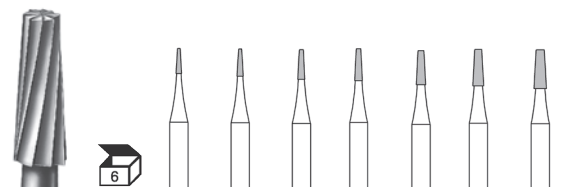
BUSCH 6*	010	012	014	016	018
D1	1,00	1,20	1,40	1,60	1,80
L1	1,60	1,92	2,24	2,56	2,88

**Lens**



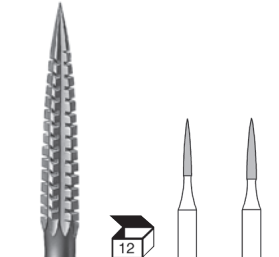
BUSCH 415*	010	011	012	013	014	015
D1	1,00	1,00	1,20	1,30	1,40	1,50
L1	0,26	0,29	0,31	0,35	0,36	0,38
a	55°	55°	55°	55°	55°	55°

**Cone**



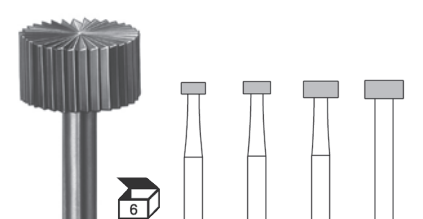
BUSCH 23*	007	008	009	010	012	014	016
D1	0,70	0,80	0,90	1,00	1,20	1,40	1,60
L1	3,30	3,60	3,90	4,20	4,50	4,80	5,10
a	5,0°	5,0°	5,0°	6,0°	6,0°	6,0°	6,0°

**Flame**



BUSCH 194	010	012
D1	1,00	1,20
L1	7,50	8,00

**Wheel**

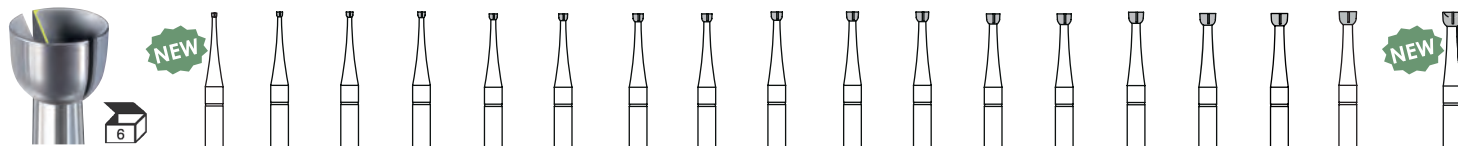


BUSCH 412	031	035	045	050
D1	3,10	3,50	4,50	5,00
L1	1,50	1,60	2,15	2,40

\*also further sizes available

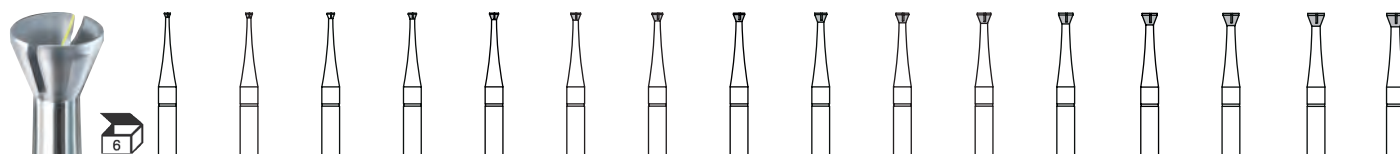
**Cup bur 411T TWINCUT**

The concave cutter with outstanding TWINCUT blade geometry for quick and precise working. The TOP tool for your chatons.



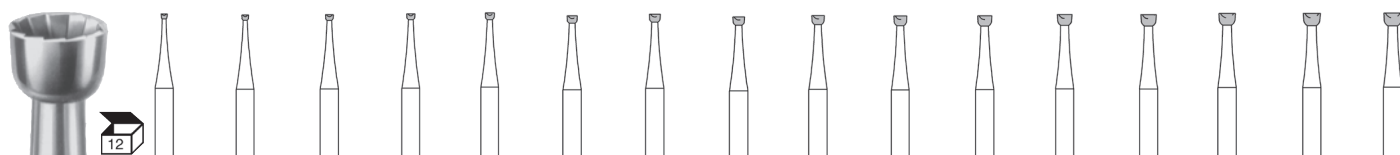
BUSCH 411T	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	025
D1	0,40	0,80	0,90	1,00	1,10	1,20	1,30	1,40	1,50	1,60	1,70	1,80	1,90	2,00	2,10	2,20	2,30	2,50
D3	0,55	0,65	0,75	0,85	0,95	1,04	1,14	1,24	1,34	1,43	1,53	1,62	1,72	1,81	1,91	2,01	2,10	2,34
L1	0,55	0,65	0,70	0,75	0,78	0,90	0,98	1,05	1,10	1,20	1,28	1,35	1,42	1,48	1,55	1,63	1,72	1,87

**Cup bur 411CT TWINCUT**



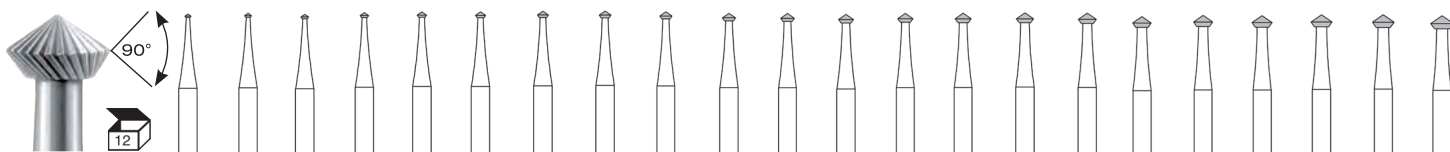
BUSCH 411CT	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023
D1	0,80	0,90	1,00	1,10	1,20	1,30	1,40	1,50	1,60	1,70	1,80	1,90	2,00	2,10	2,20	2,30
D3	0,65	0,75	0,85	0,95	1,04	1,14	1,24	1,34	1,43	1,53	1,62	1,72	1,81	1,91	2,01	2,10
L1	0,49	0,57	0,64	0,72	0,79	0,87	0,96	1,05	1,13	1,21	1,29	1,37	1,45	1,54	1,60	1,69

**Cup bur**



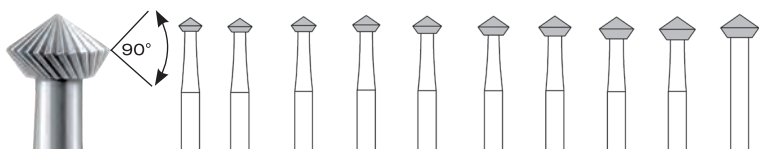
BUSCH 411*	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023
D1	0,80	0,90	1,00	1,10	1,20	1,30	1,40	1,50	1,60	1,70	1,80	1,90	2,00	2,10	2,20	2,30
D3	0,56	0,63	0,72	0,80	0,88	0,96	1,05	1,15	1,25	1,33	1,40	1,48	1,55	1,65	1,75	1,85
L1	0,65	0,70	0,75	0,78	0,90	0,98	1,05	1,10	1,20	1,28	1,35	1,42	1,48	1,55	1,62	1,70

**Bearing cutter**



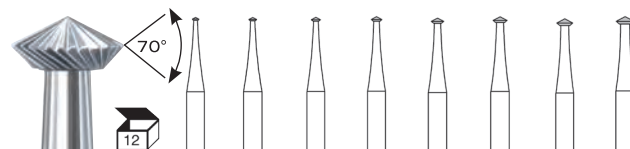
BUSCH 414*	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025	026	027	028	029
D1	0,80	0,90	1,00	1,10	1,20	1,30	1,40	1,50	1,60	1,70	1,80	1,90	2,00	2,10	2,20	2,30	2,40	2,50	2,60	2,70	2,80	2,90
L1	0,46	0,52	0,58	0,64	0,69	0,76	0,81	0,88	0,93	0,99	1,04	1,11	1,16	1,24	1,29	1,34	1,40	1,46	1,51	1,57	1,65	1,70
a	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°

**Bearing cutter**



BUSCH 414*	030	031	033	035	037	040	042	045	047	050
D1	3,00	3,10	3,30	3,50	3,70	4,00	4,20	4,50	4,70	5,00
L1	1,75	1,80	1,95	2,10	2,25	2,45	2,60	2,85	3,00	3,00
a	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°

**Bearing cutter, flat**



BUSCH 446*	009	010	012	014	016	018	021	023
D1	0,90	1,00	1,20	1,40	1,60	1,80	2,10	2,30
L1	0,39	0,43	0,51	0,59	0,68	0,76	0,89	0,97
a	70°	70°	70°	70°	70°	70°	70°	70°



There is no substitute for quality

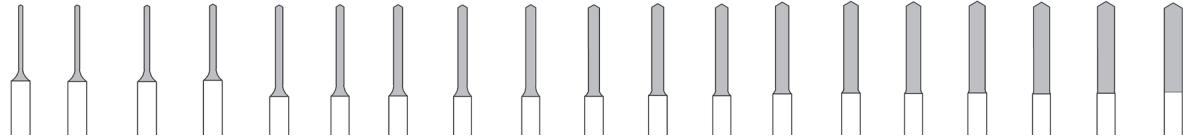


Top View  
2 grooves  
+ bevel



### Twist drill

Range of application: gold, silver



BUSCH 203	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023
D1	0,50	0,60	0,70	0,80	0,90	1,00	1,10	1,20	1,30	1,40	1,50	1,60	1,70	1,80	1,90	2,00	2,10	2,20	2,30
L1	10,0	10,0	10,0	10,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0

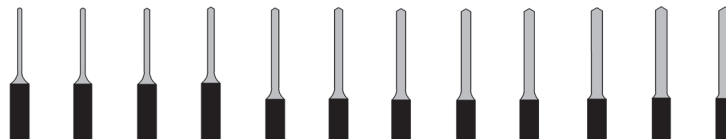


Top View  
2 grooves  
+ bevel



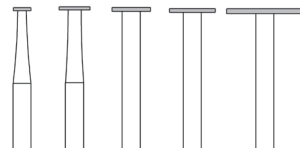
### HSS twist drill

Range of application: hard metal alloys, gold, silver



BUSCH 203HSS	005	006	007	008	009	010	011	012	013	014	015	016
D1	0,50	0,60	0,70	0,80	0,90	1,00	1,10	1,20	1,30	1,40	1,50	1,60
L1	10,0	10,0	10,0	10,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0

### Steel saws



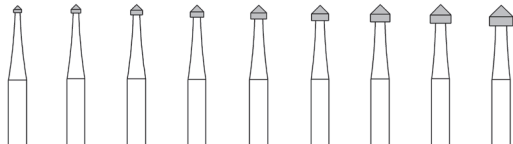
BUSCH 231	023	040	050	060	100
D1	2,30	4,00	5,00	6,00	10,0
L1	0,40	0,40	0,50	0,50	0,60

### Steel saws



BUSCH 45	010
D1	2,3
L1	0,15

### Stone setting bur

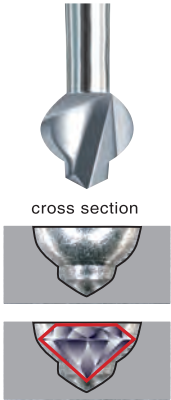


BUSCH 413*	1,00	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00
D1	1,00	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00
L1	0,90	1,12	1,35	1,57	1,80	2,02	2,25	2,47	2,70
a	90°	90°	90°	90°	90°	90°	90°	90°	90°

# Carbide HighTech-TOOLS Carbide cutters - AU-Version



AU-Version, the new power cut made of durable carbide for efficient working on harder gold and silver, alloys, platinum, titanium as well as jewelry steel.



patent pending DE 10 2019 200 495-4

## PavéCut 447AU

From now on you only need one tool for pre-drilling, shaping and enlarging when creating pavé frames.

BUSCH 447AU	008	009	010	011	012	013	014	015	016
D1	0,80	0,90	1,00	1,10	1,20	1,30	1,40	1,50	1,60
L1	0,80	0,90	1,00	1,10	1,20	1,30	1,40	1,50	1,60



PavéCut Set 447AU  
008-016

**Payback Period: 1 day**

**Min. 50% faster!**

This new developed bur made of carbide is a unique combination of a twist drill and a round bur: **one step instead of two !**

BUSCH 1AU	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	025	027	029	030	031
D1	0,30	0,40	0,50	0,60	0,70	0,80	0,90	1,00	1,10	1,20	1,30	1,40	1,50	1,60	1,70	1,80	1,90	2,00	2,10	2,20	2,30	2,50	2,70	2,90	3,00	3,10

**NEW**

BUSCH 1Z-AU	002	003	004
D1	0,2	0,3	0,4
L1	0,4	0,6	0,8

**NEW**

### Krause flame

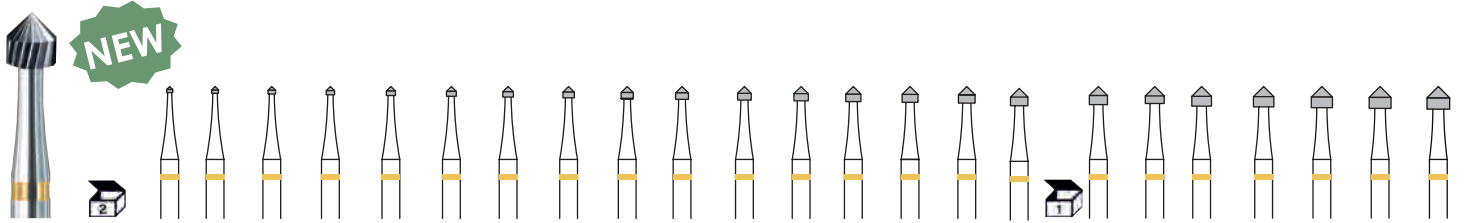
BUSCH 194AU	010	012
D1	1,00	1,20
L1	7,50	8,00

BUSCH 38AU	006	007	008	009	010
D1	0,60	0,70	0,80	0,90	1,00
L1	3,0	3,3	3,5	4,0	4,0
a	4,8	4,7	4,9	4,3	4,3

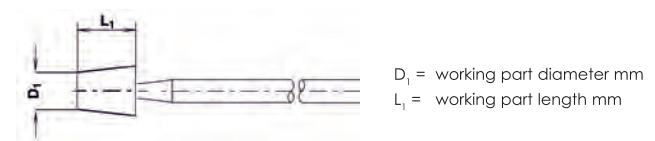
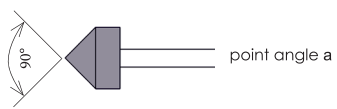
BUSCH 414AU	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023
D1	0,70	0,80	0,90	1,00	1,10	1,20	1,30	1,40	1,50	1,60	1,70	1,80	1,90	2,00	2,10	2,20	2,30
L1	0,41	0,46	0,52	0,58	0,64	0,69	0,76	0,81	0,88	0,93	0,99	1,04	1,11	1,16	1,24	1,29	1,34
a	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°

BUSCH 446AU	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023
D1	0,90	1,00	1,10	1,20	1,30	1,40	1,50	1,60	1,70	1,80	1,90	2,00	2,10	2,20	2,30
L1	0,39	0,43	0,47	0,51	0,55	0,59	0,64	0,68	0,72	0,76	0,80	0,84	0,89	0,93	0,97
a	70°	70°	70°	70°	70°	70°	70°	70°	70°	70°	70°	70°	70°	70°	70°



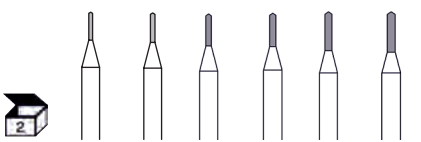
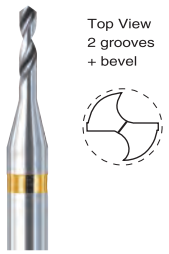


BUSCH 231	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025	026	027	028	029	030
D1	0,80	0,90	1,00	1,10	1,20	1,30	1,40	1,50	1,60	1,70	1,80	1,90	2,00	2,10	2,20	2,30	2,40	2,50	2,60	2,70	2,80	2,90	3,00
L1	0,80	0,90	1,00	1,10	1,20	1,30	1,40	1,50	1,60	1,70	1,80	1,90	2,00	2,10	2,20	2,30	2,40	2,50	2,60	2,70	2,80	2,90	3,00
a	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°



**Carbide twist drill**

Range of application:  
steel, platinum, titanium, hard metal alloys,  
gold, silver (pavé settings)



BUSCH 4205S	005	006	007	008	009	010
D1	0,50	0,60	0,70	0,80	0,90	1,00
L1	3,7	3,9	7,50	7,50	8,0	8,0

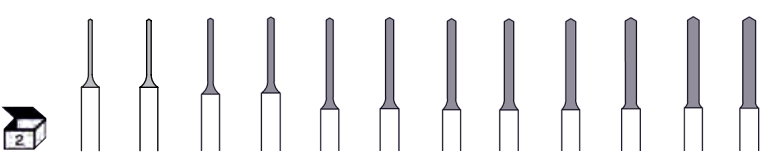
**Carbide saws**



BUSCH 231	023	F 023	FL 023	FXL 023	FXXL 023
D1	2,3	2,30	2,30	2,30	2,30
L1	0,1	0,2	0,3	0,4	0,8

**Carbide twist drill**

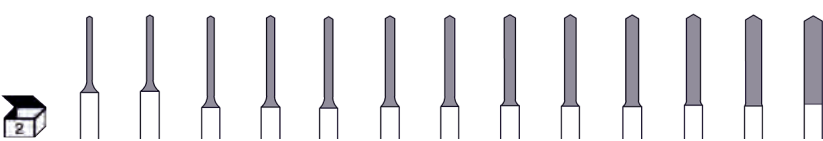
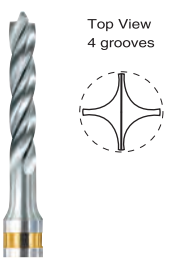
Range of application:  
steel, platinum, titanium, hard metal alloys, gold, silver



BUSCH 4203S	005	006	007	008	009	010	011	012	013	014	015	016
D1	0,60	0,70	0,70	0,80	0,90	1,00	1,10	1,20	1,30	1,40	1,50	1,60
L1	9,0	9,0	10,0	10,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0

**Carbide twist drill**








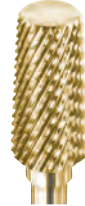

Range of application: corals, pearls



BUSCH 4203	007	008	009	010	011	012	013	014	015	016	018	021	023
D1	0,70	0,80	0,90	1,00	1,10	1,20	1,30	1,40	1,50	1,60	1,80	2,1	2,30
L1	10,0	10,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0	12,0

### Carbide cutters - SPEED









The carbide cutter range SPEED is suitable for all usual precious metal alloys for cutting and contouring of the insides of rings, e.g. after soldering settings. In the scope of the coating technique you can also clean gate marks and/or casting burs. The TiN coating optimizes the service life of the cutter.

								
BUSCH T426SPEED	060	BUSCH T429SPEED	060	BUSCH T431SPEED	031	065	BUSCH T434SPEED	050
D1	6,00	D1	6,00	D1	3,10	6,50	D1	5,00
L1	13,0	L1	13,0	L1	7,0	13,0	L1	13,0


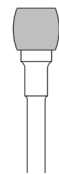






### Carbide ramroller - For embossed working on all ductile jewellery materials.

safe end

smooth, flat front


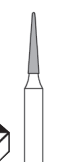











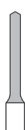


							
BUSCH RR426M	060	BUSCH RR426F	060	BUSCH RR431M	065	BUSCH RR431F	065
D1	6,00	D1	6,00	D1	6,5	D1	6,5
L1	13,0	L1	13,0	L1	13,0	L1	13,0

### Carbide STARLIGHT-polishers - High polish for platinum and gold.

							
BUSCH 550	060	BUSCH 552	023	BUSCH 553	023	BUSCH 554	060
D1	6,00	D1	2,30	D1	2,30	D1	6,00
L1	5,50	L1	4,00	L1	6,50	L1	13,0

### DIAMOND coated tools


medium grit


															
BUSCH 858	014	BUSCH 859	014	018	023	BUSCH 8203	008	009	010	011	012	013	014	015	
D1	1,40	D1	1,40	1,80	2,30	D1	0,80	0,90	1,00	1,10	1,20	1,30	1,40	1,50	
L1	8,0	L1	10,0	10,0	10,0	L1	10,0	10,0	10,0	10,0	12,0	12,0	12,0	12,0	
a	6,6°	a	5,3°	7,6°	10,5°										


Top View  
2 grooves  
+ bevel

**VALLORBE Needle Files**


Ref.	Cut	L=mm	A x B mm
------	-----	------	----------


1	LA 2401 Pillar		
LA2401-100	4	100	3.5 x 0.9
LA2401-140	4	140	4.8 x 1.1
LA2401-160	4	160	5.4 x 1.1
LA2401-180	4	180	6.0 x 1.3
LA2401-200	4	200	6.5 x 1.3


2	LA 2402 Halfround		
LA2402-100	4	100	3.8 x 1.1
LA2402-140	4	140	5.1 x 1.5
LA2402-160	4	160	5.6 x 1.7
LA2402-180	4	180	5.9 x 2.0
LA2402-200	4	200	6.3 x 2.0

3	LA 2403 Crossing		
LA2403-100	4	100	3.5 x 1.4
LA2403-140	4	140	4.4 x 1.8
LA2403-160	4	160	5.1 x 2.0
LA2403-180	4	180	5.8 x 2.2
LA2403-200	4	200	6.0 x 2.4




Ref.	Cut	L=mm	A x B mm
------	-----	------	----------

4	LA 2407 Three Square		
LA2407-100	4	100	A = 2.8
LA2407-140	4	140	A = 3.5
LA2407-160	4	160	A = 3.8
LA2407-180	4	180	A = 4.2
LA2407-200	4	200	A = 4.4

5	LA 2408 Square		
LA2408-100	4	100	A = 1.7
LA2408-140	4	140	A = 2.2
LA2408-160	4	160	A = 2.4
LA2408-180	4	180	A = 2.6
LA2408-200	4	200	A = 2.8

6	LA 2410 Round		
LA2410-100	4	100	A = 2.1
LA2410-140	4	140	A = 2.8
LA2410-160	4	160	A = 2.9
LA2410-180	4	180	A = 3.2
LA2410-200	4	200	A = 3.5

**VALLORBE Precision Files**

1		Lp1163 Pottance or Hard	1
			LP1163-6-
2		Lp1560 Ordinary halfround	2
			LP 1560-6- LP1560-6-
3		LP1566 Halfround slim	3
			LP1566-6-




**VALLORBE Gravers**

LO 0401  
Flat Edge 

A=1/10 mm(Size)	2	4	6	8	10	12	14
LO0401/HSS	•	•	•	•	•	•	•

LO 0403  
Onglette 

N o (Size)	0	1	2	3	4	5	6	7	8
A=1/10 mm	1.58	1.78	1.94	2.16	2.54	2.74	2.94	3.14	3.36
LO0403/HSS	•	•	•	•	•	•	•	•	•

LO 0406  
Knife 



A=1/10 mm(Size)	18	20	22	24
LO0406/HSS	•	•	•	•



**VALLORBE**  
Beading tool

Available in Sizes 0 to 16

**Air Systems** *connect 2 handpieces!*



**GraverMax G8**

*Upgraded Motor*



**GraverSmith**



**Val-Air Compressor**



**GraverHone**



**MicroBlock**



**Standard Block**



**Low Profile Vise**



**QC 901 Handpiece**



1 set screw

**Round Tool Holder**

**Flexible Shaft Motors & Micro Motors**

**SR-30-FCT**



Foredom's most famous unit in a complete package inclusive of 1/10 hp motor 39" Flexible Shaft. CFL or FCT rheostat and # 30 hand piece. 18000rpm

**L-30-FCT**



Low speed / high torque motor for stone setting, wax modeling and pearl drilling comes. Comes with # 30 hand piece, CFL or FCT rheostat. Upto 5000 RPM Hand pieces

**Foredom Asia**



Economical foredom motor from foredom in asia. 20000 RPM like CC motor. Set comes with Hand piece and FCT rheostat.

**Foredom FA-M35**



It's a high speed rotary micromotor. Its dial control provides variable speed up to 35000 rpm

**Foredom KI070**



Foredom Micromotor 1070 High Speed Rotary Micro-Motor Kit K.1070 110 Volt

**Foredom Hand piece**

**Foredom #30**



Most popular hand piece for multi purpose use, lubricated ball bearing requiring no maintenance complete with chuck key.

**Foredom #18**



Quick Change hand piece useful for users requiring faster but changing. Lubricated ball bearing for silent, cool and continuous duty operation.

**Foredom #15**



Precision hammer hand piece and is used by jewelers at low speed (5000 rpm) For stone setting and decorative purpose.

**Faro**



Very cool running for 3/32" shank only, fast lever allows rapid tool changing.

**Maintenance Supplies and Replacements for Foredom Flex Shaft Machine & Foredom Spares**

**Foot Rheostat**



**Flex Shaft Grease**



**Inner Shaft**



**Outer Sheath**



**Armature**



**Bearing**



**Motor Brushes, pair**



**Trigger Switch**



**Chicago Pneumatic Air Scribe 936I HP**

It is used for hammering purpose





## Polishing Compound

### Red Rouge



Premium water soluble rouge for general work on Gold & Silver. Available in bars of 1lb and 1/4 lb.

### Green Rouge



It produces a high lustre on chrome, stainless steel, silver, platinum, white gold. Available in 1lb & 1/4 lb

### Grey Star WS



Same as Grey Star and having added advantage of being water soluble. Available in 13.5 Ounce bar

### White Lustre 4XXXX



An excellent medium dry "cut and colour" composition for large parts Available in 12 oz bar

New Pack



### Bobbing Compound



Fast cutting compounds for soft metals such as gold, silver. Often used in place of tripoli Available in 11 OZ

### Canning Lustre



Pre-polishing composition to achieve a high quality finish on all jewellery. Parts are easily cleaned prior to plating or lacquering.

### AA Rouge



AA Compound is a dry ultra-fine jewellers rouge used for the final polishing of soft metals including silver and gold, it is however more greasy than pure rouge.

### Osborn Lusture



Economical luster made especially for Indian market

## Dialux



RED (140gms)super finishing composition for gold.  
 BLUE(140gms)Super finishing composition for all metals.  
 GREEN(140gms)Super finishing composition for hard metals.  
 WHITE(140gms)Super finishing composition for all metals.

## Japanese Polishing Compound NW Platinum Series



The finest compounds for ultra bright finishing of platinum. NW series are manufactured under strict quality control.

Model No.	Weight	Application
800	400gm	First cut
1500	400gm	Medium cut
4000	250gm	Fine
6000	250gm	Final
8000	250gm	Super shine
Blue Polishing	250gm	Final Lustre mirror finish



PEARL



### PEARL Silicon Polishers

Pin polishers for non precious metals and gold, ideal for areas with difficult access

RPM : 10000 - Max15000 Min  
 Pack : 10100 pieces  
 \*100-Pack. including one mandrel

MADE IN GERMANY

Item :	42/43	52/53	62/63	72/73	82/83	92/93
ISO-No.:	653 000 114 525 020	653 000 114 534 020	653 000 114 523 020	653 000 114 513 020	653 000 114 503 020	653 000 114 494 020
Sizes (mm):		2 X 20	3 X 20			
Grit:	Medium	Coarse	Medium	Fine	x-Fine	xx-Fine
Bond:	x-Hard	Hard	Medium	Medium	Medium	Medium

### Intercept Anti-Tarnish Products



### Intercept Anti-Tarnish Strips

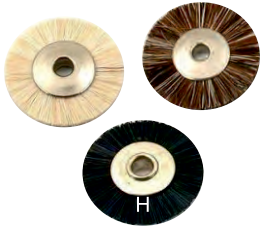
Anti tarnish strips are the perfectly safe and economical way to protect silver, gold, and other metals used in jewelry, from tarnish and corrosion during shipping and storage, without scratching. They will not harm any metals or gemstones even when in direct contact (including opals, emeralds, amber, or pearls).

### Intercept Anti-Tarnish Bags



Perfect for medium to larger items that require affordable long term storage solution for any product that may tarnish. Protects items from tarnish from to 3 years

1



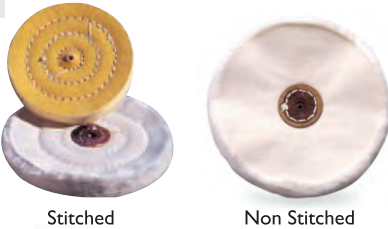
2



3



4



5



6



7



8



## POLISHING HAIR BRUSHES

### 1 Unmounted Bristle Brushes 1/8 " Hole

Type	Diameter	Color
Soft	3/4 "	White
Soft	3/4 "	Brown White
Medium	3/4 "	Black/White
Medium	3/4 "	Black/Brown
Hard	3/4 "	Black

### 2 End Bristle Brushes

Code	Length of hair brush	Brush
Black	1/2"	Hard
White	1/2"	Soft

### 3 Wood Hub Chung King Bristle Brushes

Type	Trim Length	Row of Bristles	Hub Dia
1C	3/8"	1	2 5/8"
2C	3/8"	2	2 5/8"

### 4 Cotton Buffs

No	Dia	Ply
1	4"	30/40/50/60
2	5"	30/40/50/60
3	6"	30/40/50/60

Available in White, Yellow, Green, Pink Colour & in stitched & non stitched  
W-White, Y-Yellow, G-Green, P- Pink Colour

### 5 Knife Edge

No	Dia X Ply
12	6x12
13	6x6

Available in White, Yellow, Green & Pink Colour

### 6 Paramount Split and Beveled laps

Outerperforms ordinary wheels by 2 to 1

Size (DIA.)	Soft	Med	Hard	RockHard
6"	✓	✓	✓	✓

Note : Standard Laps are supplied with pinhole for tapered spindle. If larger hole is required. Please specify.

### 7 Paramount Ring Buff

Size of Felt	Diameter of Felt	Length	Regular Density
3"	3/4" - 9/16	" 3"	✓
4"	7/8" - 5/8	" 4"	✓

### 8 Finger Guards

A) Cotton : Available in two types .  
Machine Stitched and Pointed

B) Leather : Available in two types  
Economical Grade and soft high quality grade.



## STRONG MICRO MOTORS

### Strong 204 - C



Basic model, Mini-compact design  
Less-vibration standard carbon  
brush motor

RPM : MAX 35,000 rpm  
Torque : 280 gf.cm  
Input : 100V, 110V, 220-230~, 240V(50/60Hz)  
Output : DC0-32V  
Weight : Control box 1.7 kg  
Handpiece 200g  
Right & Left turning ability  
Non stage speed system  
Foot On/off control

#### Hand pieces

No.	HP No.	RPM	WEIGHT	Dimension				
				L	L1	L2	D	D1
A	102L	35000	200g	150	77	73	29	17

### Strong B350/105L (blue)



Rotate Speed: Max 40,000 RPM  
Colour: Blue  
Handpiece weight (without cord): 190g  
Size: L153mm x 29mm  
Torque: 3.0 N.cm  
Control Unit B350 Specification:

Rotate Speed: Max 40,000RPM  
Input Voltage: 100V, 110V/230V, 240V(50/60 Hz)  
Output: DC 0-32V  
Power: 50W  
Size: W107mm x L152mm x H72mm  
Weight: 1.05kg  
8 Drill bits holder on control unit

## Strong Micro Motor Spares



Armature



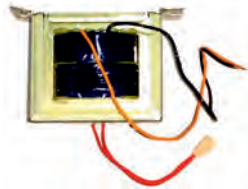
Carbon Brush



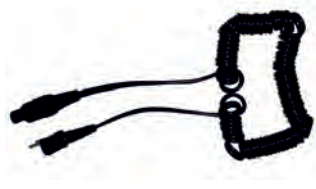
Ball Bearing



PCB Card



Transformers



102L HP Cord



102L HP Collet



Transistor

## BRUSHLESS MICRO MOTORS

### Prime 926



Ergonomic and compact design  
Automatic stop system for overload

High Torque : 9.2N.cm  
Max Watts output : 250  
Speed : 1,000 to 60,000 RPM  
Electricity Volt : 220 to 240(50-60Hz)  
Handpiece Std. Collet : 2.35mm(3.00mm open request)  
Input : 220-240v (50-60Hz)

### Prime 202



Ergonomic and compact design  
Automatic stop system for overload

High Torque : 4.8N.cm  
Max Watts output : 100  
Speed : 1,000 to 50,000 RPM  
Electricity Volt : 220 to 240(50-60Hz)  
Handpiece Std. Collet : 2.35mm (3.00mm open request)  
Input : 220-240v (50-60Hz)

### Prime 115



Ergonomic and compact design  
Strong Torque at low speed.  
Minimal vibration

High Torque : 7.2N.cm  
Max Watts output 210W  
Speed : 0-50000RPM  
Electricity Volt : 100V-120V/220V-240V  
Handpiece Std. Collet : 2.35mm  
Input : 100V-120V/220V-240V



# REDDISH STONE

ITALIA

## White

Coarse grit, flexible for hard reducing



**Wheels**  
Max Speed 20000 rpm

**R46SDB**  
Ø 22x3mm

## Light Green

Fine grit for finishing



**Wheels**  
Max Speed 20000 rpm

**R46S1F**  
Ø 22x3mm

## MINIPUNTE

Max Speed 15000 rpm



**Black**

**N11CMD** - Ø 3x24mm

Coarse for reducing



**Brown**

**N11CMM** - Ø 3x24mm

Medium for smoothing



**Green**

**N11CMV** - Ø 3x24mm

Extrafine for high shine



**Pink**

**N11PVL** - Ø 3x24mm

Extrafine for high shine



## Rubber Polishers

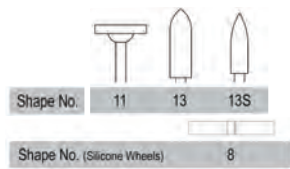
Square-Edge



5029



5009



Shape No.

11

13

13S

Shape No. (Silicone Wheels)

8

edenta e

## Edenta Polishers

TopStar

**Brown**

20.000



L mm	3,0	1,0	22,0
Size 1/10mm	220	220	060
Order No.	TB01	TB05	TB23
ISO No. 658 900	372 513 220	371 513 220	114 513 060



3,0	3,0	3,0	3,0	22,0
22060	170	220	170	
PM01	PM02	PM10	PM11	PM23
372 515 220	372 515 170	303 515 220	303 515 170	114 515 060

## UNIVERSAL

### Light Grey

Coarse grit for hard reducing



**Knife Edge**  
Max Speed 20000 rpm

**L41S1D**  
Ø 22x3,7mm

### Grey

Standard grit for smoothing



**Knife Edge**  
Max Speed 20000 rpm

**L41S1U**  
Ø 22x3,7mm

### White

Standard and flexible grit for smoothing



**Knife Edge**  
Max Speed 20000 rpm

**L41S1B**  
Ø 22x3,7mm



## BERKEM : Gold , Rhodium & other Precious Metal Plating Solutions

### 1 AURICOR 100 series

#### GOLD FLASH PLATING SOLUTIONS FOR BATH

- AURICOR 101N ( plating sol. 1N-14Kt ;Au 0.8g/l )
- AURICOR 102N ( plating sol. 2N-18Kt ;Au 0.8g/l )
- AURICOR 103N ( plating sol. 3N ;Au 0.8g/l )
- AURICOR 124 ( plating sol. 24Kt ;Au 0.8g/l )
- AURICOR 104N ( plating sol. 4N ;Au 0.8g/l )
- AURICOR 105N ( plating sol. 5N ;Au 0.8g/l )
- AURICOR 106N ( plating sol 6N ;Au 0.8g/l )



### 2 AURICOR 200 series

#### Titanium & Stainless Steel Plating

- AURICOR 201 (acid gold flash solutions for bath plating on stainless steel and titanium alloys)
- Au 1.0 g/l Colour - yellow 24K

### 3 AURICOR 300 series

#### GOLD FOR PEN PLATING (Ready to use)

- AURICOR 301N ( pen plating ; Au 1.0 g/100ml )
- AURICOR 302N ( pen plating ; Au 1.0 g/100ml )
- AURICOR 324 ( pen plating ; Au 1.0 g/100ml )
- AURICOR 303N ( pen plating ; Au 1.0 g/100ml )
- AURICOR 306N ( pen plating ; Au 0.3 g/100ml )



### 4 AURICOR 400 series

#### FASHION FLASH BATH COLOUR PLATING SOLUTIONS (Ready to use)

- AURICOR 401 ( Green gold ; Au 1.0 g/l )
- AURICOR 402 ( Champagne gold ; Au 0.5 g/l )
- AURICOR 404 ( Hamilton gold ; Au 1.0 g/l )
- AURICOR 406 ( Brown gold ; Au 1.0 g/l )



### 5 RODINOR 100 series

#### WHITE RHODIUM FOR PLATING BATH

- RODINOR 102 ( rhodium for bath ready to use 2 g/l )
- RODINOR 120 ( rhodium concentrated for bath 2g/100ml )
- RODINOR 110 ( rhodium concentrated for bath 2g/200ml ) Very high Brightness
- RODINOR 140 ( rhodium concentrated for bath 2g/100ml ) Highly Economical
- RODINOR 152 ( rhodium concentrated for bath 2g/100ml + 100ml )
- RODINOR 115R ( replenisher for Rodinor 110 5g/200ml ) For Industrial Plants
- RODINOR 402 Rhodium plating solution ready to use (Rh 2g/l) Blue



### 6 RODINOR 300 series

#### RHODIUM FOR PEN PLATING

- RODINOR 310 ( white rhodium for pen plating ready to use 1g/100ml )
- RODINOR 320 ( white rhodium for pen plating ready to use 2g/100ml )
- RODINOR 321 ( white rhodium for pen plating ready to use 2g/100ml )
- RODINOR 322 ( black rhodium for pen plating ready to use 2g/100ml )



### 7 AURICOR GOLD SALTS series

Auricor 1683 RGS, Purity 68.3%. For micron plating of gold.

### 8 SILCOR SILVER SALTS series

Silcor 293 OS - silver (I)oxide (powder) Purity 93%. For micron plating of Silver.



### Platinum Plating Solution

- PLATINOR 102C (white platinum solutions for bath plating)
- PLATINOR 202C (white platinum solutions for bath plating at room temperature)
- WHITENOR 102 (white platinum ruthenium solutions for bath plating)



### Other Precious Metal Plating Solution

- PALLADOR 102C (white platinum solutions for bath plating)
- RUTENOR 205C (black ruthenium for bath concentrated 5 g/300ml)



## WHITENOR

the aesthetics of white



WHITENOR® is the surprising Berkem's process for platinum-ruthenium-based decorative and thickness galvanic baths that guarantees extremely white and shiny deposits perfect alternative to rhodium, pure platinum and palladium solutions.

WHITENOR® is the evolution of pure platinum formulations, a contemporary and innovative approach to electroplating, result of research and tests carried out by Berkem R&D Team in order to meet the current needs of the jewelry and fashion market.




### Cold Enamels : ENALOR

ENALOR is a series of cold enamels with high technical grade because obtained using exclusively high quality epoxy resins that, once hardened they can be post-workable or rather, they can be polished/lapped or laser marked. The ENALOR enamels even if considered "cold type", in order to become hard, as well as the dedicated catalyst in relation to the desired application, they require a baking in a ventilated oven with precise temperature control. All ENALOR enamels are free of heavy metals.

Plain cold enamels

Product	Color	Packaging													
ENALOR 100	Various 	250 g - 1 Kg													
101 B	102	103	104	105	106 B	107 B	108	109 B	110	111	112 B	113 B	114	115	116
117 B	118	119	120	121 B	122	123	124 B	125	126	127	128	129	130 B	131	132
133	134	135	136	137	138 B	139 B	140	141	142 B	143	144 B	145	146 B	147	148
149	150	151	152	153	154	155	156	157 B	158						

Transparent cold enamels







Product	Color	Packaging	Code													
ENALOR 200	Various 	250 g - 1 Kg	SM020100 - SM029901													
215	201	202	203	204	205	206	207	208	209	210 B	211	212	213 B	214	216 B	217
218	219	220	221	222	223	224	225	226	227 B	228 B	229 B	230	231	232	233 B	234 B

### Hardners

Product	Description	Color	Packaging
ENALOR 408	Hardener for plain pieces	Neutral 	250 g - 1 Kg
ENALOR 412	Hardener for curve surfaces level 4	Neutral 	250 g - 1 Kg

### Cataphoretic Lacquers

CATAFOR 100 is a water-soluble cataphoretic painting process. CATAFOR 100 deposits on any metallic substrate a transparent or coloured acrylic resin with good hardness and adhesion. CATAFOR 100 is characterized by high resistance to corrosion, solvents, water and products for domestic use. Catafor plating requires a special step up rectifiers .The CATAFOR 100 series comprises the following products:

- CATAFOR 101 ( neutral lacquer )  • CATAFOR 102C ( Deep red lacquer ) 
- CATAFOR 105C ( Deep green lacquer )  • CATAFOR 103C ( Deep blue lacquer ) 
- CATAFOR 106C ( Deep black lacquer )  • CATAFOR 107C ( Deep violet lacquer ) 



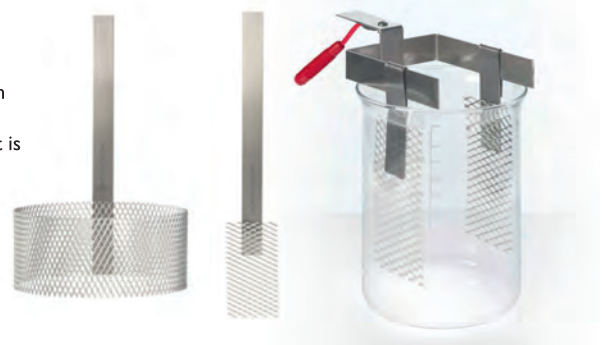
### Additives & Cleaners

- RUTENOR 200RA : Blackening additive for Rutenor 205C
- CLEANOR 101P : Electro cleaning powder for degreasing articles before plating
- CLEANOR 201P : Degreasing powder for ultrasonics
- PROTECOR 201 : Concentrated solution 100 ml packaging nano coating protection
- PROTECOR 200S : Conducting salts for electrolytic tarnish protection to be used with protector 201
- AURICOR 406 RA: Darkening additive for brown gold solutions
- CLEANOR 293TS : Ultrasonic degreaser suitable for sensitive metals
- CLEANOR 293TN : Ultrasonic degreaser suitable for sensitive metals



### Platifusion Anodes from BERKEM

PLATIFUSION® is available for a wide range of titanium mesh insoluble anodes with standard shapes and sizes, expressly projected for precious plating baths (from 1 to 300 litres). Insoluble anodes require inert material on their surface and pure platinum is the best choice: it is resistant to corrosion and 100% recyclable and recoverable. On the strength of its experience in galvanic processes, Berkem has developed its own line of special insoluble anodes to meet the needs of efficiency and optimization of the production processes based on precious metals for silversmith, goldsmith, high jewellery and fashion accessories sectors.



### Plating Solution & Consumables



**1 Diamond Bright**  
It gives ultra-bright white coating and is used for decorative purpose on jewellery in bath plating .



**2 Rhodium J1**  
It gives very bright- white coating and is used for decorative purpose on jewellery in bath plating .



**3 Rhodium 271**  
White Pen Plating solution



**4 Rhodium TD**  
It gives very bright- white coating and is used for decorative purpose on jewellery in bath plating .

### Pen Plating Tips

	Description	Color
5	Fine Tip Soft Grade Double End Fine,	White
6	Long and Bullet Tip	White
7	Double End - Square Bevel Tip	Brown



**BERKEM PLATING MACHINES**



**BERKEM GALVALINK 302B**

Galvanic Engine module with rectifier  
2 tanks x 2 litres x 1 stirrer x 1 heater  
Dimension : 30x34x33 h cm , Weight : 12 Kg

**BERKEM GALVALINK 302S**

Galvanic satellite module.  
it can be attached to galvanic 302 B or 201 RP  
2 tanks x 2 litres , 2 stirrer , 2 heaters  
Dimension : 30x34x33 h cm , Weight : 10 Kg



**BERKEM STILOR 100**

Pen plating unit with the capability to degrease in it  
Dimension : 18x16x13 cm , Weight : 1,2 Kg



**BERKEM POWER 202RP**

Digital rectifier for cataphoretic lacquer  
40V-2A programmable  
Dimension : 15x21x9 h cm , Weight : 2 Kg



**BERKEM POWER 210 RP**

Digital rectifier for precious metal plating  
12V-10A programmable  
Dimension : 15x21x9 h cm , Weight : 2 Kg



**FAN OVENS - HEATER 303**

A range of fan ovens for general drying use and for baking cataphoretic paints or enamels. The line comprises both small bench ovens and large professional ovens.

**Pen for pen plating - STILOR 103**



The innovative pen STILOR 103 Evo, totally in titanium with anti-corrosion treatment based on precious metals, completes the performances.

**Industrial Electroplating Plants With Water Treatment System**



**Features of the 6-tanks BASE systems**

- Degreasing tank interchangeable from 12 to 60 litres
- Washing tanks, recovery, neutralisation, recovery, washing from 40 litres
- Length: min 150 - max 250 cm
- Weight : min 150 - max 200 Kg
- Power supply: optionally 230V-380V-115V 50/60Hz
- Absorbed current : 15-20A



**Features of the 3-tanks SATELLITE system**

- Galvanic tank interchangeable from 12 to 60 litres
- Washing tanks, recovery from 40 litres
- Length : min 100 - max 150 cm
- Weight : min 100 - max 150 Kg
- Power supply: optionally 230V-380V-115V 50/60Hz
- Absorbed current: 15-20A

**Features of the treatment systems**

- Electrical panel
- Collection tank
- Recirculation pump
- Pressure gauge for the control of working pressure
- Flowmeter for the adjustment of the hourly flow
- Regulation valves
- Columns filled with resins suitable for the type of treatment required
- Containment frame in stainless steel
- Meter of the conductivity of the water leaving

**Equipment of BASE / SATELLITE system**

- Electrical panel
- Fumes extraction
- Loading and unloading valves
- Programmable digital rectifier
- Titanium platinum / Stainless Steel anodes
- Complete filter pump



**OLYMPUS**

Your Vision, Our Future



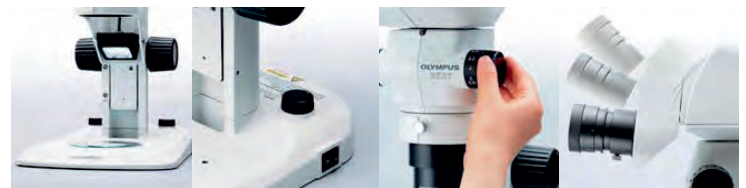
## Stereomicroscope SZ61/SZ51

### Comfort for your eyes — precision for your work

The human eye is a wonderful instrument, catching images of every moment of our lives. At the same time it is extremely sensitive, and can become exhausted if it is not treated with care. OLYMPUS has therefore made every possible effort to develop new optical systems that allow the human eye to feel comfortable and relaxed while working with stereo microscopes. This not only protects the eyes but also leads to much more precise and consistent results in daily work. All three models — the SZX7 with its advanced Galilean optical system, the full-featured SZ61 and the versatile SZ51 — provide 3D images with true color, high resolution and no distortion.

### Precise, functional and compact — SZ61/SZ51

The Olympus approach to ergonomic design seeks to achieve improvements that make work easier, more comfortable, and more productive, all at the same time. That means applying advanced technological methods to maximizing operability, reducing factors that contribute to operator fatigue, and building in effective safety features like ESD design.



### Digital imaging



**OLYMPUS**

Your Vision, Our Future

### Wide range of accessories to meet the needs of every application



### SZ61/SZ51 specifications

Item	Specifications					
	SZ61	SZ61-60	SZ61TR	SZ51	SZ51-60	
Microscope body						
SZ61						
SZ61-60						
SZ61TR						
SZ51						
SZ51-60						
Magnification	0.67x to 4.5x			0.8x to 4x		
Zoom ratio	6.7: 1			5: 1		
Working distance	110mm					
Tube inclination angle	45°	60°	45°		60°	
Interpupillary distance adjustment	Left/right interlocked Adjustment range: 52 to 76 mm (using the WHSZ10X eyepieces)					
Video camera adaptability	—			C-mount (0.5x built in)		
Zoom adjustment knob	Left/right single-shaft horizontal knob Interpupillary distance high/low magnification stopper incorporated.					
Optical components	Lead-free materials used					
Auxilliary objective lens	Mounting by screwing into the thread at the bottom of frame (M48 thread x0.75)					
Eyepiece	"ComfortView" WHSZ series Lead-free materials used					
	g 0.15/0.1A, 50/60Hz					
Weight	Zoom body only	1,300g	1,500g	1,300g	1,300g	
	Configuration 3	3,520g	3,720g	3,520g	3,520g	

**MICROSCOPES**



**ZQ1**

Very Good quality, economical microscope.



**ZQ2**

Chinese good quality, economical microscope. This lens has a movement option for ease of user.



**ZQ3**

Chinese good quality, economical microscope. Which is a best seller and favorite amongst users .

**Compact Digital Microscope**



Integrated the Digital microscope with 5-inch color monitor. Great features that magnified visual inspection, sharing the image and movie can be done easily. Equipped the polarizing filter that can eliminate reflection of glossy object =, and transmitted illumination with dimmer for easy observation. Comes with PC software for dimension, degrees measurement, HDMI cable for connecting with large screen, and the microSD card for save images and movies



**10002 Engraving Block**



**10003 Engraving Block**



**10004 Engraving Block**



**10015 Light**

**OptiVISOR**

OptiVISOR is a precision binocular headband magnifier which permits unrestricted user efficiency while reducing eye strain—leaves both hands free and allows three dimensional vision.

**Specifications**

Item No.	Focal Length	Magnification
DA-2	20"	1.5 times
DA-3 / LX3	14"	1.75 times
DA-4 / LX4	10"	2 times
DA-5 / LX5	8"	2.5 times
DA-7 / LX7	6"	2.75 times
DA-10	4"	3.5 times



**OptiVISOR**



The OptiLOUPE is an attachable lens that adds additional 2.5 times magnification power of an Eye Loupe to the OptiVISOR. Easily attaches to either eye of any OptiVISOR or OptiVISOR LX



**Specifications:**  
 Hands-free light , Xenon laser beam bulb, 6000 candle power  
 Four to five hours battery life (continuous use)  
 Model LT-06: 10" cord , Model LT-42: 42" cord  
 Operates on two AA batteries (not included)

**VisorLIGHT**



**OptiSight Visor**



**Specifications:**  
 Precision optical grade Acrylic Prismatic Lens  
 Included are three different interchangeable lens plates that are simple to change (3 times, 4 times, and 5 times magnification). Also available, 7 times magnification (LE-7).  
 Visor design shields out unwanted glare , High strength plastic will not break .

# Navbharat Carbon Co

HOUSE OF JEWELLERY MAKING TOOLS

Website : [www.navbharatcarbon.com](http://www.navbharatcarbon.com)

## Mumbai SEZ

100 B SDF IV, SEEPZ SEZ, Andheri (East)

Mumbai - 400096

Tel : +91-22-28291688/22

Fax : +91-22-28291522

Email : [seepz@navbharatcarbon.com](mailto:seepz@navbharatcarbon.com)

[rahul@navbharatcarbon.com](mailto:rahul@navbharatcarbon.com)

## Delhi

3647/15, Regar Pura,

Karol Bagh

Delhi - 110005

 Mobile : +91 9322276833

Email : [delhi@navbharatcarbon.com](mailto:delhi@navbharatcarbon.com)

## Surat

H No. 5/1946 Ghee Kanta Road,  
Opp. Pinkle Hospital, Near Patidar Bhavan  
Haripura Main Road,  
Surat - 395003

 Mobile : +91-9324969195

Email : [sales@navbharatcarbon.com](mailto:sales@navbharatcarbon.com)

## Coimbatore

1037, Big Bazaar Street,

Coimbatore : 641001

Tel : 0422-2392686

 Mobile : +91 9363102679

Email : [coimbatore@navbharatcarbon.com](mailto:coimbatore@navbharatcarbon.com)

## Dahisar (Mumbai)

Shop No.4, Diamoda Gold, Ground Floor,  
Tanvi Complex, Dahisar(E), Mumbai - 400068

 Mobile : +91 9324969203

## Mumbai

44-46 Popatwadi lane, Ground Floor, Dava Bazar,  
Kalbadevi Road, Mumbai - 400002

Office : Ph: +91 22 - 22052352 , 22013145, 49735714

Fax : +91- 22 22083897  +91- 9136076833

Email : [info@navbharatcarbon.com](mailto:info@navbharatcarbon.com)

[inquiry@navbharatcarbon.com](mailto:inquiry@navbharatcarbon.com)

## Jaipur SEZ

H1-131 Phase- II, Sitapura,

Jaipur-302022

 Mobile : +91 9314076833.

Email : [jaipur@navbharatcarbon.com](mailto:jaipur@navbharatcarbon.com)

## Ahmedabad

5, Jai Ambe Estate,  
Opp. Bhagwati Flour Mill  
Near Naroda Police Station,  
Suttarkarkhana, Naroda,  
Ahmedabad - 382330

 Mobile : +91-7922816516 / 8905259446

Email : [ahmedabad@navbharatcarbon.com](mailto:ahmedabad@navbharatcarbon.com)

## Jaipur

Shop No.2, Raghunathpuri 1st 'B',  
Nr. Pratap Narayan Memorial Hospital,  
Tonk road, Opp. Sec-3 Pratap Nagar  
Jaipur - 302029

Tel : +91-141-2790792

 Mobile : +91 9664127871

Email : [jaipur@navbharatcarbon.com](mailto:jaipur@navbharatcarbon.com)

## Kolkata

Shiv Shakti Apartment,  
Kachari Bari. Near BDO Office,  
Next to Ujjivan Bank Howrah Amta Road,  
P.O. Domjur - 711405 (West Bengal)

 Mobile : +91-8591954621

Email : [inquiry@navbharatcarbon.com](mailto:inquiry@navbharatcarbon.com)

**Rahul Jain**

[rahul@navbharatcarbon.com](mailto:rahul@navbharatcarbon.com)

**Mahendra Jain**

[mahendra@navbharatcarbon.com](mailto:mahendra@navbharatcarbon.com)