

Nickast

In-house line of products, specially crafted for the Indian jewellery manufacturing industry, keeping the best of the quality standards in place.



Hydromax Gas Generator



Magnetic Polisher



Ultrasonic Cleaner



Vaccum Investment Mixer



3-in-1 Casting



Burnout Furnace



Wax Injector Manual



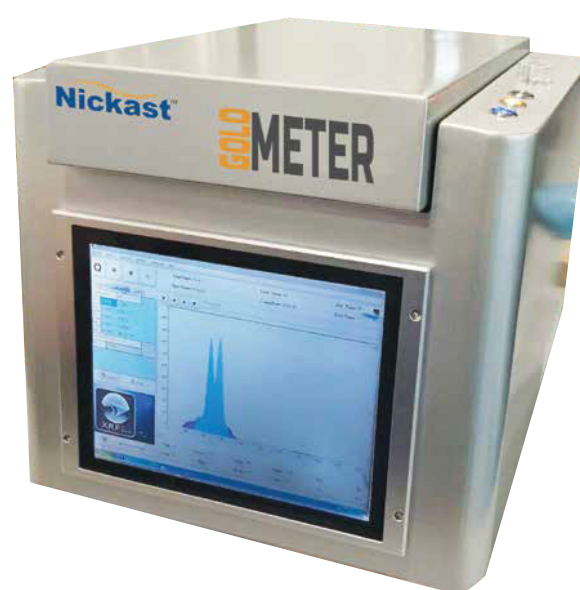
Wax Injector DVWI



Water Jet



Buffing Machine



PPC Nickast XRF



Vulcanizer



Rhodium Machine



Electric Melting Machine



Steam Machine Autofeed

ELECTROPOLISHING MACHINE

Nickast

TANK SIZE: 10LITRES & 20LITRES

Electropolishing machine developed in India as per German standards. Result is same as compared all established brands.



Features

- Suitable for mass finishing for all karats of gold
- Reduces dhaga polishing work
- Smoothens integrated areas
- Reduces manual polishing work upto 85%
- Common machine for silver and gold
- Customers can use any liquid in this machine
- Big necklace or complete jewellery can be processed

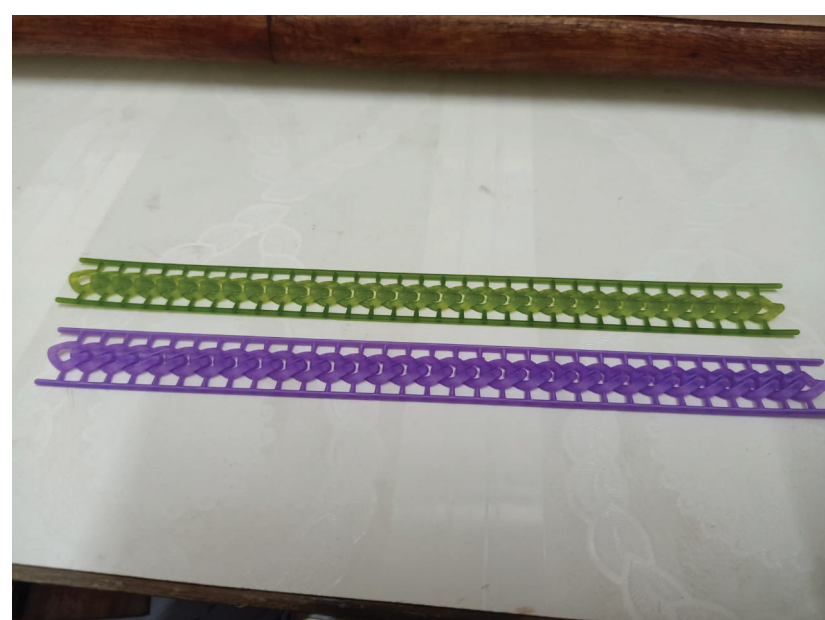
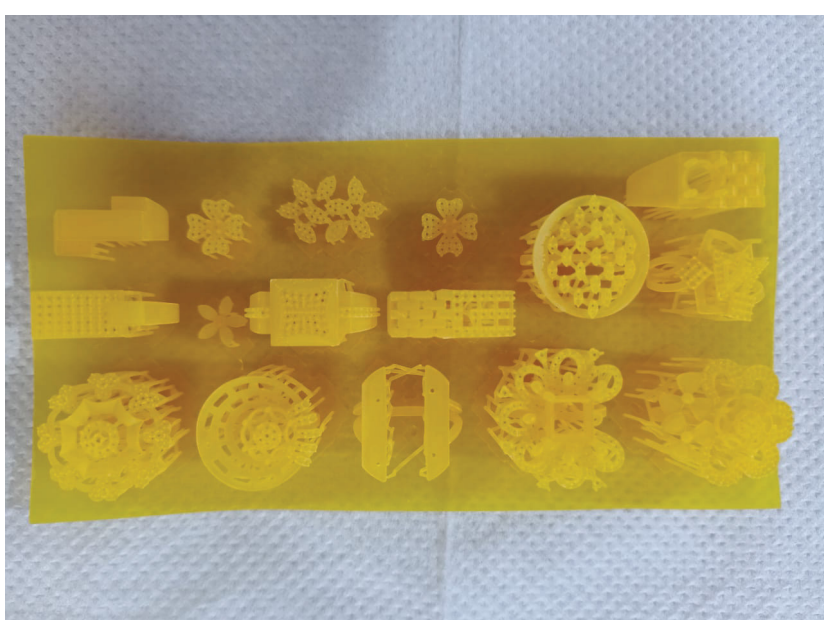
LCD 3D PRINTER

Nickast



PARAMETER	VALUE
Machine Size	W350*D312*H539mm
Printing Size	L218*W123*H250mm
Printing Speed	30mm/h
Printing Layer Thickness	0.025mm, 0.05mm, 0.075mm, 0.1mm
Power Supply	100-240V AC 50-60Hz
Wave Length	405nm
XY Resolution	28.5um
Connectivity	USB
LCD Panel Spec	10.1 in, 8K mono, 7680*4320
Voltage	180W
System Weight	20KG

3D PRINTED SAMPLES



PRECIOUS METAL ANALYZER



Vanta GX



Vanta Series



Non-destructive precious metal assay & karat checking

Get fast, accurate analysis & results of platinum, gold, silver, & other precious metals, jewelleryes & alloys.



Stereo Microscope

Using a microscope for a long period of time can cause eyes to become fatigue. Olympus redesigned the SZ series of stereo zoom microscopes to reduce eyestrain & maximum user comfort. This leads to more precise and consistent results in an operator's daily work. The advance Galilean optical system, the full-featured SZ61, and the versatile are designed for user comfort and provide crisp 3D images with true color and high resolution.

LASER MARKING MACHINES



20W/30W/50W

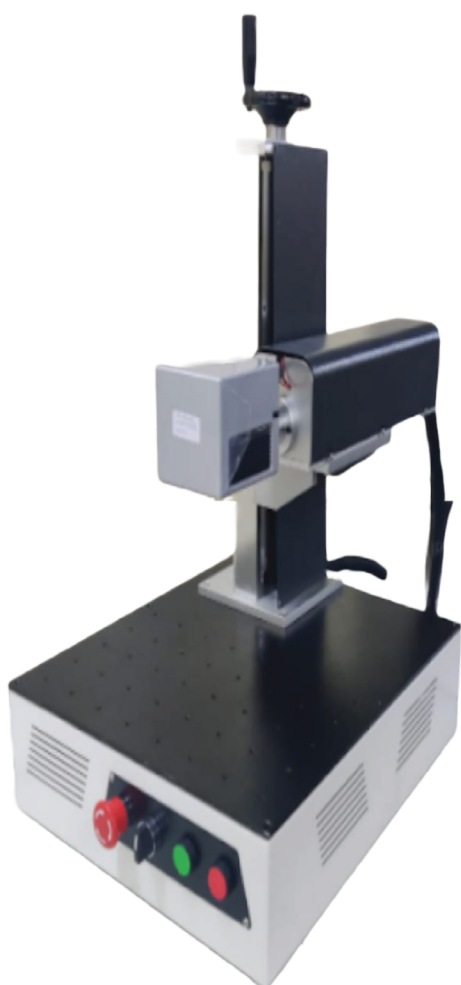
MADE IN TAIWAN



- Multi-diode pumped fiber (Yb) Laser (Class 4)
- Wave-length LASER @ 1064±2nm LASER @ 1060±2nm
- Pulse Power - 20W
- Duration - 120ns
- Frequency - 20÷60KHz
- Marking Speed > 7m/S
Without Computer / Laptop

20W OPEN MARKER

MADE IN INDIA



- Multi-diode pumped fiber (Yb) Laser (Class 4)
- Wave-length LASER @ 1064±2nm LASER @ 1060±2nm
- Pulse Power - 20W
- Duration - 120ns
- Frequency - 20÷60KHz
- Marking Speed > 7m/S
Without Computer / Laptop

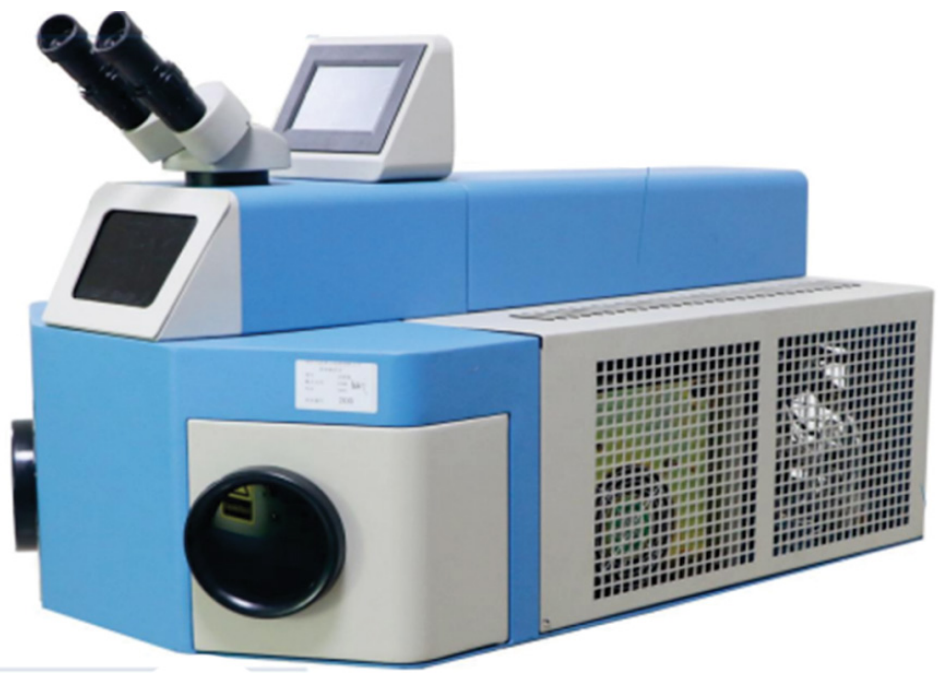
50W CLOSED MARKER

MADE IN TAIWAN



- Wavelength - 1064nm
- Laser Source - 50W Raycus
- Frequency - 20-80KHz
- Beam Quality - M2:1.2~1.8
- Linear Depth - 0.01-0.2mm
- Min. Spot Diameter - 0.01mm
- Min. Char Size - 0.1mm
- Marking Speed - 7000mm/s
- Power - 500W
- Cooling - Air Cooling

LASER WELDING MACHINES



150W Laser Welding Machine

MADE IN TAIWAN

Laser Type: ND YAG Pulse
Xenon Lamp
Laser Wavelength: 1064nm
Welding Depth: 0.1-1.5mm
Pulse Frequency: 0.1-10Hz
Pulse Width: 0.5-15ms
Spot Range: 0.1-3mm

Total Power: 6KW
Laser Output: 150W
Cooling Way: Built-in air cooled water tank
Vision System: Microscope
Weight: 60 Kg
Size: 80x50x55cm



200W Laser Welding Machine

MADE IN INDIA/TAIWAN

Laser Type: Xenon Lamp
Laser Wavelength: 1064nm
Welding Depth: 0.1-1.5mm
Pulse Frequency: 1-100Hz
Pulse Width: 0.3-20ms
Spot Range: 0.2-2mm
Total Power: 8KW with touch screen
Laser Output: 200W

Cooling Way: Water cooling chiller
YAG Laser Crystal Rod: $\Phi 7 \times 145$ mm
Laser Xenon Lamp: $\Phi 8 \times 125 \times 270$ mm
Microscope: x10
Focussing Mirror: F=110mm
Beam Expander: 3x



Desktop & Pedestal

FEATURES & BENEFITS

- Available in compact size desktop models & big chamber size, heavy-duty pedestal models.
- Color TFT touch display
- Leica microscope
- TrueView™
- ECOmode™
- Weld assist systems
- Easy set-up, automatic adjustment to live voltage



PLATING PRODUCTS

We supply all types of plating products related to jewellery manufacturing, including Gold plating, rhodium, platinum solutions, enamels etc.

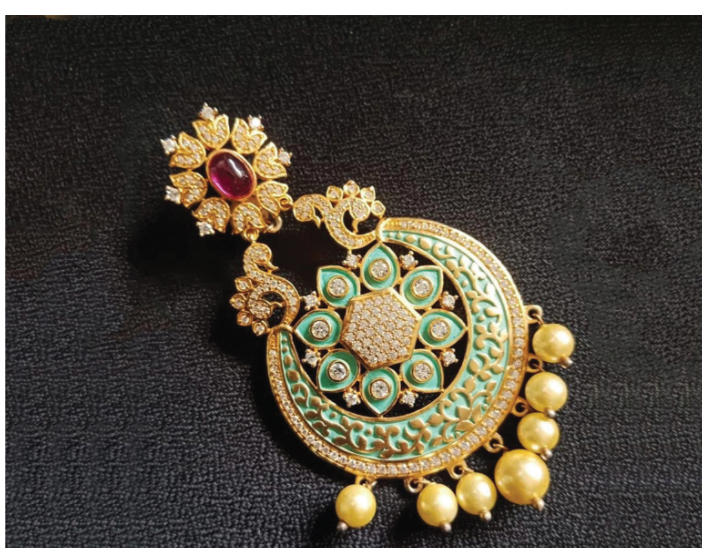
Platinum Solution



Liquid Enamel



Antique Color



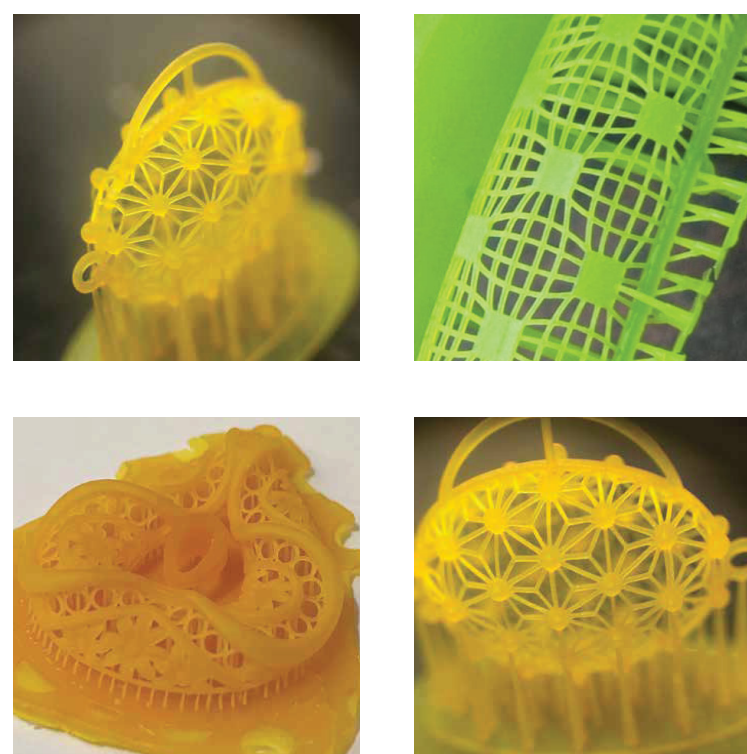
Rhodium Solution



Gold Solution



Castable Resin

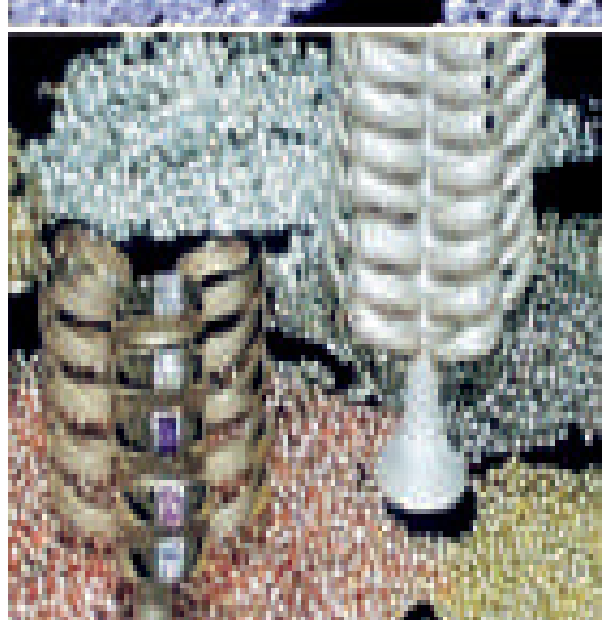


ALLOYS

Master Alloy Products for Jewellery Applications

A wide range of master alloys for all common karat (8K, 9K, 14K, 18K, and 22K) is available for the jewellery manufacturers. This covers the full range of colours and applications such as casting, stone casting and rolling.

Dedicated and well experienced technical staffs are available for solving any application problem or trouble-shooting the manufacturing process of our clients.



MASTER ALLOY FOR GOLD

ALLOY CODE	COLOR	KARAT	APPLICATIONS
H-177B	Yellow	18K	C, C/S
H-155A	Yellow	10 - 18K	C
H-179B	Green Yellow	18K	C, C/S, L, S, W
H-160IA	Yellow	14-18K	C, C/S
H-160I	Yellow	10-14K	C, C/S
H-180B	Deep Yellow	18-22K	C, R
H-111	Yellow	10 - 22K	C
H-2205	Yellow	22K	C, R
H-2203	Yellow	22K	C, R
H-853G	Deep Pink	10-18K	C, F
H-853SL	Deep Pink	10-18K	C, L, R, S, W
H-145B	White	14-18K	C
H-148A	White	14-18K	L, R, S, W
H-6649	White	10-18K	C, L, R, S, W
H-6606	White	10-18K	C, C/S
H-6606S	White	10-18K	C, C/S

MASTER ALLOY FOR STERLING SILVER

ALLOY CODE	COLOR	KARAT	APPLICATIONS
H-330A	White	925Ag	C, R, C/S, L, S
H-449	White	925Ag	C, R, C/S, L, S
H-550	White	925Ag	C, R, C/S, L, S, W
H-640	White	925Ag	C, C/S

MASTER ALLOY FOR BRASS

ALLOY CODE	COLOR	APPLICATIONS
H-JSBR	Yellow	C, C/S, R
H-JTBR	Yellow	C, C/S, R
H-JBST-1	Yellow	C, C/S

C = Casting, C/S = Casting with stones, L = Lamination, R = Handmade, S = Stamping, W = Wiring, F = Torch Melting

CHANG CASTING POWDER

MADE IN THAILAND

CHANGCAST™



Cobra™



Tiger™



Eagle™



Clarity™



HiPt Platinum™



Resincast™



Dragon™

Features:

- Easily replace existing powders with minimal changes in setup
- Impeccable surface finish
- High consistency
- Defect-free casting
- Zero porosity

WAX

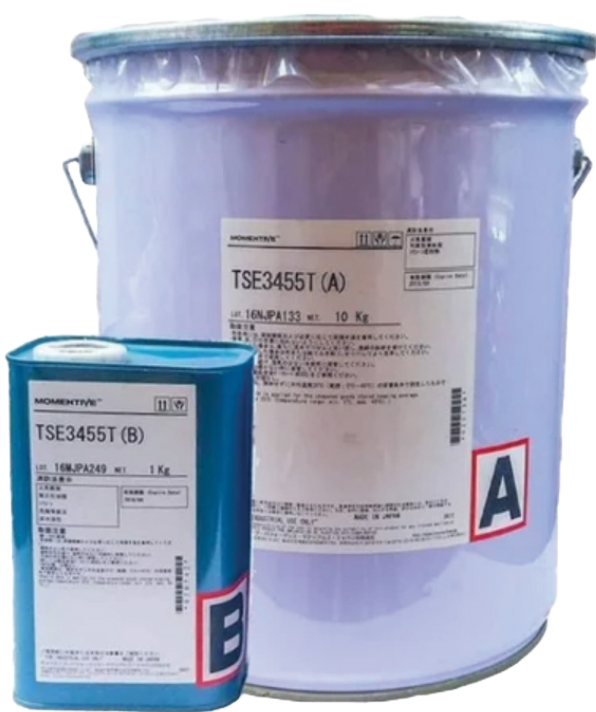


Designed for platinum, Gold, silver as well as industrial and dental alloys.

Features

- Crafted for Gold, Silver & Brass imitation jewellery.
 - Minimal Shrinkage
 - High Pattern Details
 - Excellent Flow
 - Lowest Ash Content
- Available in different colours

LIQUID RUBBER



MOMENTIVE®
11 KGS

Features

- Excellent molding Durability
- Excellent release ability
- Low Viscosity
- Excellent tear & tensile strength
- Low shrinking



XIAMETER®
22 KGS

Key USP

- Momentive offers excellent molding durability to epoxy resin & polyurethane
- Xiameter offers quick drying time

3D PRINTER

SLA TECHNOLOGY



PARAMETER	VALUE
Technology	Laser Stereolithography
Working Area	140 x 140 x 18
Laser Source	Solid State BlueEdge®0 mm
Layer Thickness	10-100 micron
Scanning Method	Galvanometer
Software	XFAB® Edition FICTOR® & NAUTA®+
Input Files Format	.stl, .slc, .nauta, .fictor, .mkr, .3dm, .3ds, .ply, .obj, .lwo, .x
Machine Size	400 x 606 x 762 mm
Weight	40 Kg
Operating Conditions	20°-25°C / 60%
Power Supply	24V DC con AC 240/100V / 50-60 Hz
Electrical Consumption	160W
PC Requirements	Windows 8 or above
Memory	RAM 4GB
Graphic Card	OpenGL 2.0 Compatible or Above
I/O Interfaces	1 USB Port - 1 Ethernet TCP/IP Port
Connectivity	1 Active Internet Connection