



OROSOL
INTERNATIONAL

Precisely Different

**PRECIOUS
METALS**

ASSOCIATE BRANDS

Topcast
Engineering



Pandora Alloys
FLEXIBLE STRENGTH



AURA MIX

SCAN FOR WHATSAPP



+91 99743 05600 | +91 81403 05600 ✉ sales@orosol.in 🌐 www.orosol.in
📍 Lati Plot 13 No., B/H Gokul Hospital, Kuvadva Road, Rajkot - 360 003

5-FLASK



Technical Specification	OS-3	OS-5	OS-6
Max. Of Flask	120-140mm	150mm	150mm
Max. Height of Flask	200mm	230mm	230mm
Max. No. of Flask	3	5	6
Flask Container	290mm	380mm	380mm
Height Flask Container	255mm	260mm	260mm
Max. Volume Of Investment Material	6 Kg	12 Kg	16 Kg
Stirring Container	200mm	280mm	280mm
Height of Stirring Container	305mm	315mm	315mm
Motor Fixing	Dual Speed	Dual Speed	Dual Speed
Type of Electric Current(3 Phase)	400V, 50Hz I, 3KW	400V, 50Hz I, KW	400V, 50Hz I, 3KW
Dimension (W X D X H)	760 x 370 x 770mm	1015 x 550 x 1355mm	1015 x 550 x 1355mm
Gross Weight	120 Kg	150 Kg	150 Kg
Vaccum Pump & Oil	25 CFM & 150 Flask	40 CFM & 150 Flask	63 CFM & 150 Flask
in to be changes after			



Model - OS 6 - A

Features :

1. Accurate water ratios which makes perfect investment bonding
2. manual errors reduce and exact time to give in mixing
3. Buzzor sounds to make next step more easier.
4. available in 6 flask model to make your productions more faster.

Automatic Loading System consists of a water container. Operator has to set ratio water in controller once. Setting of required quantity of water Inside electronic scale make weighing of both component.

Technical specifications :

- Power : 440v,(3 phase 50/60h)
- Controlled system : PLC based
- Vibratory motor : 0.04kw
- Valve type : 1/4" German valve (EPDM)
- Starer motor : 0.5 hp

Automatic Investment Mixing Machine

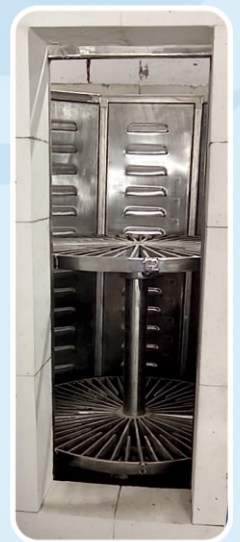
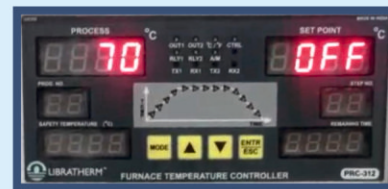
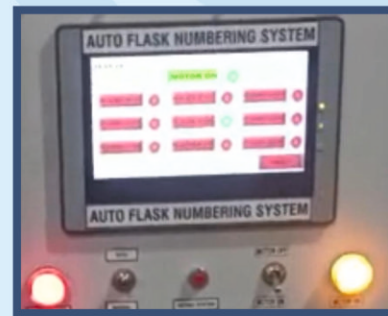


6 Flask

REVOLVING BURNOUT FURNACE



- PLC Control Panel System
- Heating program settable with delay start.
- 10 Burnout Cycle Memory.
- Each Cycle With 16 Ramp Temperatures.
- Ramp and Holding Time
- Heat Resistant stainless steel Chamber & Revolving Plate.
- Minimum Heat loose.
- Air cooling system.



**An ideal de-waxing burnout furnace for investment flasks used in lost wax casting
With stainless steel revolving plate and burnout chamber, heated evenly.**

TECHNICAL DATA

MODAL NO :	AF6	AF9	AF12	AF18	AF24	AF30
Flask Capacity (flanged)	6	9	12	18	24	30
Number of Racks	Single	Single	Single	Double	Double	Double
Max Flask Height	250mm	250mm	250mm	300mm	300mm	300mm
Max Flask Diameter	100mm	100mm	100mm	100mm	100mm	100mm
Maximum Operating Temperature (800c° & 900c° Optional)	750c°	750c°	750c°	750c°	750c°	750c°
Turntable Speed(rpm)	2	2	2	2	2	2
Installed Power	9 Kw	10 Kw	12 Kw	15 Kw	16 Kw	18 Kw
Power Of Revolving Motor (HP)	0.25	0.25	0.25	0.5	0.5	0.5
Weight (Aprrox)	450kg.	500kg.	550kg.	650kg.	700kg.	750kg.

DOUBLE CHAMBER PRESSURE OVER VACUUM CASTING

TVC-D

4.0
NEW



TECHNICAL DATA

	TVC5d	TVC10d	TVC12d
Number of casting programs	100	100	100
Crucible Volume	100 cc	280 cc	380-500 cc
Crucible working capacity	400g Bronze 500g Silver / 1000g Gold	1500g Bronze 1500g Silver / 3000g Gold	2300g Bronze 2500g Silver / 5000g Gold
Flask max. diameter (mm)	● 150 / ○ 200	● 150 / ○ 200	● 150 / ○ 200
Flask max. height (mm)	● 300 / ○ 400	● 300 / ○ 400	● 300 / ○ 400
Induction heating power	4.9 kW	10 kW	12 kW
Vacuum pump	Built-in 25 m3/h	Built-in 25 m3/h	Built-in 25 m3/h
Pressure over vacuum	3 bar	3 bar	3 bar
Max. temperature	● 1250 °C / ○ 1600 °C	● 1250 °C / ○ 1600 °C	● 1250 °C / ○ 1600 °C
Granulation unit	○	○	○
Autotest with data report	●	●	●
Monitoring system for data acquisition	○	○	○
Flask check before casting	●	●	●
Vacuum leakage detector	●	●	●
Oxygen Analyzer	○	○	○
RS232 remote interface	○	○	○
Main alloys	● Gold (Au), Silver (Ag), Copper (Cu), Brass, Bronze, Aluminium (Al) and their alloys, ○ Magnesium Provided ● / ○ Available on request		

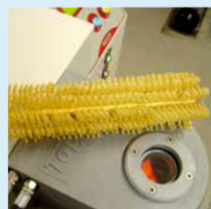


TVC-S

Single Chamber Pressure Over Vacuum Casting

TECHNICAL DATA

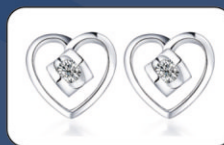
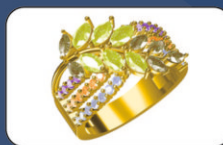
	TVC3s	TVC4s	TVC10s
Crucible Volume	100 cc	280 cc	380 cc
Crucible working capacity	1 kg Au 0.5 kg Ag	2 kg Au 1 kg Ag	3 kg Au 1.5 kg Ag
Flask maximum diameter (mm)	Ø150	Ø150	Ø150
Flask maximum height (mm)	280	280	280
Induction power	3 kW	4 kW	10 kW
Vacuum pump	External	External	External
Pressure over vacuum	3 bar	3 bar	3 bar
Granulation unit	○	○	○
Autotest with data report	●	●	●
Flask check before casting	●	●	●
Vacuum leakage detector	●	●	●
RS232 remote interface	○	○	○
Main alloys	Gold (Au), Silver (Ag), Copper (Cu), Bronze, Aluminium (Al) and their alloys Provided ● / ○ Available on request		



AURA LASER - 200 W JEWELLERY WELDING MACHINE



PARAMETER NAME	PARAMETER VALUE
Laser type	ND: YAG
Adjustable current	60A-200A
Laser frequency	1.0-50Hz
Pulse width	0.1-20ms
Wave length	1064nm
Maximum laser output power	200W
Peak power	6KW
Maximum monopulse energy	100J
Weld depth	0.1mm -2.5mm
Spot size adjustable range (spot)	0.2-3.0mm
Control system	Single chip microcomputer
Observation system	microscope/CCD
The main engine consumes power	<6KW
Cooling system	Cooling power 1600W
Electricity demand	AC220V±5%, 50Hz, 30A or select AC380V±5%



AURA LASER - 300 W JEWELLERY WELDING MACHINE

PARAMETER NAME	PARAMETER VALUE
Laser type	ND: YAG
Adjustable current	60A-200A
Laser frequency	1.0-50Hz
Pulse width	0.1-20ms
Wave length	1064nm
Maximum laser output power	300W
Peak power	7KW
Maximum monopulse energy	150J
Weld depth	0.1mm -2.5mm
Spot size adjustable range (spot)	0.2-3.0mm
Control system	Single chip microcomputer
Observation system	microscope/CCD
The main engine consumes power	<7KW
Cooling system	External Water Chiller 15 Liter
Electricity demand	AC220V±5%, 50Hz, 30A or select AC380V±5%



ALLIED MACHINE AND RAW-MATERIAL



T-4 Wax Injector Of Auto Pressure Regulate



T4A New Pressure Regulate



Digital Vacuum Wax Injector With Robotic Clamp



D-5 Auto Clamp Wax Injector With Robotic Clamp & Touch Screen



FILING TABLE WITH DUST COLLECTOR



DOUBLE HEAD POLISHING STATION



LAPPING STATION WITH DUST COLLECTOR



SPRU GRINDER DRY/WET



AUTO STEAM JET CLEANER



ULTRA SONIC CLEANER



HEAVY DUTY WATER JET CLEANER WITH SETLINK TANK



MAGNETIC POLISHER WITH SPEED CONTROLLER



PANDORA ALLOY - ITALY



GRAPHITE CASTING & MELTING CRUCIBLE



JEWELRY WAX BEADS



ELITE RESIN CAST



BRASS



BRASS & SILVER



SILVER



HIGH GOLD