



Ultimma Cast. Machinery



Jewellery Casting Machinery

- Vacuum Casting Machine • Melting Unit • Buffing & Polishing
- Hydraulic Press • Gold & Silver Refinery



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PROFILE

Established in the year 1989, we, "Ultimma Cast Machinery, Rajkot" are engaged in manufacturing, supplying and exporting a wide assortment of Vacuum Casting Machine, Vulcanizer, Wax Injector, Burnout Furnace, Waterjet, Melting Furnace(Resistance & Induction), Buffing Machine, Magnetic Polisher, D-Waxer, Steam Machine, Ultrasonic Cleaner, Hydraulic Coining & Cutting Press, Gold & Silver Refinery, etc. The products offered by us are widely appreciated for their high end features like sturdy construction, compact design, high operational functionality and durability. Further, we also offer various customized solutions to our clients as per their requirements.

Empowered with our sophisticated infrastructure and a team of qualified professionals, we have been able to set quality benchmarks in the industry. Our professionals are highly dedicated and are committed towards optimum client satisfaction, which has enabled us to garner a huge client base.

INVESTMENT CASTING MACHINERY



FEATURES :

- Digital temperature control
- Sturdy pillar design
- With auto power
- Cut-off technology.

VULCANIZER

Model	UCM-VCN-01
Power Supply	220 V AC. 1 KW
Plate Size	200 x 150 mm
Dimension(L x B x H)	340 x 240 x 550 mm
Net Weight	36 Kg.

AUTO CLAMP WAX INJECTOR

Model	UCM-WIR-01
Power Supply	220 V AC. 1 KW
Wax Capacity	3 Kg Maximum
Operating Pressure	2 Bar Maximum
Dimension(L x B x H)	290 x 370 x 460 mm
Net Weight	19 Kg.

FEATURES :

- Fuse - 5A
- Wax capacity - 3Kg
- Temperature precision \pm 0.2 C
- Timer range - 0-99.9 hour.
- Pressure range - 0-2 kg /hr.
- Single side nozzle
- Automatic pressure control
- With pressure & vacuum gauge



FEATURES :

- Double side nozzle
- Digital temperature controller
- With Pneumatic type pressure gauge & safety valve
- S.S. body cover
- Also available in 5 kg capacity

WAX INJECTOR (ROUND)

Model	UCM-WIR-02
Power Supply	220 V AC. 1 KW
Wax Capacity	2.5 Kg
Operating Pressure	2 Bar Maximum
Dimension(L x B x H)	290 x 370 x 460 mm
Net Weight	19 Kg.



BURNOUT FURNACE

Model	UCM-BTF-01	UCM-BTF-02	UCM-BTF-03
Chamber Size	6 x 6 x 6 inch	10 x 10 x 10 inch	12 x 12 x 12 inch
Power Supply	220/440 V AC. 2 KW	220/440 V AC. 4 KW	220/440 V AC. 6 KW
Dimension(L x B x H)	15 x 16 x 17 inch	19 x 21 x 14 inch	23 x 24 x 18 inch
Net Weight	45 Kg.	85 Kg.	145 Kg.

FEATURES :

- Digital temperature controller
- Digital programmed controller(Optional)

Model	UCM-BTF-04
Chamber Size	18 x 18 x 18 inch
Power Supply	220/440 V AC. 8 KW
Dimension(L x B x H)	30 x 23 x 29 inch
Net Weight	200 Kg.



INDUCTION VACUUM CASTING MACHINE

FEATURES :

- S.S. (304) Vacum & Casting Chamber with auto mixer technology
- IGBT type induction melting system with or without chilling unit available

Model	UCM-CME-01
Power Supply	2.75 KW
Temperature	1150 C
Crucible Capacity	1 Kg Gold
Vacuum Pump	250 LPM
Dimension(L x B x H)	900 x 615 x 810 mm
Net Weight	200 Kg.
Casting Chamber	6.5 x 9 inch
Vacuum chamber	10 x 9 single

3 IN 1 BOTTOM POURING VACUUM CASTING MACHINE

Model	UCM-CME-02
Power Supply	2.75 KW
Temperature	1150 C
Crucible Capacity	1 Kg Gold
Vacuum Pump	250 LPM
Dimension(L x B x H)	900 x 615 x 810 mm
Net Weight	150 Kg.
Casting Chamber	6.5 x 9 inch
Vacuum chamber	10 x 9 single

FEATURES :

- S.S. (304) Vacum & Casting Chamber
- Lift Stick Pouring technology
- Direct drive vacuum pump with no sleep technology.
- without oxygen type casting.



FEATURES :

- S.S. (304) Vacum & Casting Chamber
- Transformer type melting unit
- Precision temperature controller
- Direct drive vacuum pump with no sleep technology

3 IN 1 VACUUM CASTING MACHINE

Model	UCM-CME-03
Power Supply	2.75 KW
Temperature	1150 C
Crucible Capacity	1 Kg Gold
Vacuum Pump	250 LPM
Dimension(L x B x H)	900 x 615 x 810 mm
Net Weight	105 Kg.
Casting Chamber	6.5 x 9 inch
Vacuum chamber	10 x 9 single



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FEATURES :

- S.S. Casting & vacuum chamber
- S.S. Debulizing chamber with acrylic lid
- High vacuum power for complete casting
- Direct drive vacuum pump with no sleep technology

2 IN 1 VACUUM CASTING MACHINE

Model	UCM-CME-04
Power Supply	2.75 KW
Debulizer Chamber Size	250 x 250 mm
Casting Chamber Size	5 x 9 inch
Vacuum Pump	250 LPM
Dimension(L x B x H)	850 x 620 x 900 mm
Net Weight	90 Kg.

WATER JET

Model	UCM-WJT-01
Power Supply	220/440V AC 2.2 KW
Water Inlet	5 LPM
Water Pressure	40-110 BAR
Dimension(L x B x H)	980 x 590 x 710 mm
Net Weight	130 Kg.

FEATURES :

- Rust Proof SS Cabinet
- High Pressure Water pump for ultimate clean-off
- SS trap & settling tank for pieces retrieval



FEATURES :

- Suction motor of 1.5 h.p.
- Illuminated metal Hood with acrylic window
- External foot shaker for cleaning bag
- Safe dust collection Lock system.
- Overload tripper for motor safety.
- Air throw filter for maximum recovery
- Twin Operating system with common buffing motor.
- Double side spindle Buffing motor of 1/2 h.p. 2880rpm

BUFFING MACHINE DOUBLE STATION

Model	UCM-BUF-02
Station	Double
Power Supply	220 V AC. 1.90 KW
Suction Power	250 CFM/Station
Dimension(L x B x H)	1320 x 760 x 1220 mm
Net Weight	158 Kg.

MELTING FURNACE

INDUCTION MELTING FURNACE

Model	UCM-IND-01
Frequency	Medium frequency
Power Consumption	4 KW - 50 KW
Capacity	1/2 Kg to 50 Kg
Time to Melt	8 - 10 Min
Max to Melt	1200°C (1450° Optional)
Water Circulation	6 - 8 Ltr./Min.

FEATURES :

- Latest IGBT Technology for high efficiency and high performance
- Medium frequency induction melting gives churning that ensures homogenous mixing of metals & perfect "touch"
- Saves your precious power & valuable time
- It minimize maintenance and maximize production
- Temperature more than 1200°C It possible for palladium based white gold alloys.





FEATURES :

- Transformer type melting coil
- Power consumption is very low
- Sleek & sturdy design
- With digital temperature controller
- Also available in 2 kg, 5 kg

LOW VOLTAGE MELTING FURNACE

Model	UCM-LOW-02
Temp. Max	1200°C
Melting Capacity	1 kg (Gold)
Power Supply	220 V

SWISS TYPE MELTING FURNACE

Model	UCM-MST-03
Temp. Max	1200°C
Melting Capacity	1 kg (Gold)
Power Supply	220 V

FEATURES :

- Sleek & elegant portable model
- Separate compartment for digital
- Melting Capacity 5 gm. to 1 kg.
- With buzzer indication system
- Also available in 2 kg, 5 kg & 10 kg



FEATURES :

- Portable model
- Space consuming
- Also available in 2 kg, 5 kg
- Melting Capacity 5 gm. to 1 kg.

GERMAN TYPE MELTING FURNACE

Model	UCM-MSG-04
Temp. Max	1200°C
Melting Capacity	1 kg (Gold)
Power Supply	220 V

ITALY TYPE MELTING FURNACE

Model	UCM-MSI-05
Temp. Max	1200°C
Melting Capacity	1 kg (Gold)
Power Supply	220 V

FEATURES :

- Sleek & portable model
- Space consuming
- Collar type crucible fitted in it
- With buzzer indication system
- Also available in 2 kg, 5 kg





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CLEANING MACHINERY



FEATURES :

- Stainless Steel Body
- Fully automatic type with auto cutt-off technology.
- For precise and perfect designing

D - WAXER

Model	UCM-DWX-01	UCM-DWX-02	UCM-DWX-03
Heater Capacity	1000 Watt	2000 Watt	2000 Watt
Dimension(L x B x H)	10 x 10 x 12 inch	12 x 12 x 15 inch	16 x 16 x 20 inch

MAGNETIC POLISHER

FEATURES :

- SS Body with acrylic bowl
- Auto Reverse - Forward & Timer function

Model	UCM-MGP-01	UCM-MGP-02	UCM-MGP-03
Capacity	500gms	1 Kg.	2 Kg.
Power Supply	230 V AC., 0.20 KW	230 V AC., 0.37 KW	230 V AC., 0.60 KW
Dimension(L x B x H)	300 x 320 x 550 mm	330 x 350 x 580 mm	360 x 380 x 600 mm
Net Weight	25 Kgs	28 Kgs	30 Kgs



ULTRASONIC CLEANER

FEATURES :

- SS Body
- Inbuilt heater
- Maximum power for ultimate clean-off

Model	UCM-UAC-02	UCM-UAC-03	UCM-UAC-04	UCM-UAC-05	UCM-UAC-06
Cleaning Bath	6 LTRS	9 LTRS	14 LTRS	18 LTRS	22 LTRS
Tank Size (Inch.)	10 x 6.5 x 5.5	11 x 7 x 7	12 x 8 x 9	13 x 9 x 10	15 x 9 x 10
Ultrasonic Power	150(W)	250(W)	400(W)	500(W)	750(W)
Power Supply	230 V AC., 0.30 KW	230 V AC., 0.40 KW	230 V AC., 0.6 KW	230 V AC., 1 KW	230 V AC., 1.5 KW
Dimension(L x B x H)	410 x 300 x 390 mm	430 x 330 x 390 mm	460 x 360 x 420 mm	490 x 390 x 440 mm	540 x 420 x 480 mm
Net Weight	16 Kg.	19 Kg.	26 Kg.	34 Kg.	52 Kg.

STEAM CLEANER

Model	UCM-STM-16
Capacity	16 Ltrs
Power Supply	220 V. 2 KW
Usable Pressure Max.	7 Bar Maximum
Phase	Single
Dimension(L x B x H)	480 x 550 x 600 mm
Net Weight	34 Kg.

FEATURES :

- Rust Proof SS body
- Auto Temperature and pressure cut-off
- Water level indicator with buzzer
- Foot controlled stem pressure
- Safety valve for excess pressure release
- Higher Capacity also available
- Also Available in, 6, 9 ltr Capacity



RAW MATERIALS

• S.S. Flask

• Graphite Crucible

• Silicon "O" Ring

• Silicon Rubber

• Silicon Wax

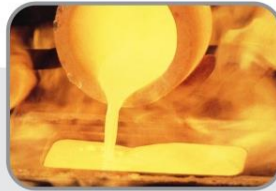
• Aluminium Frame

• Aluminium Rod Die

• Rubber Base

• Ceramic Stick

• Adopter



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MFG. : JEWELLERY CAST. MACHINES,
INDUCTION MELTING & MELTING
FURNACE, RAW MATERIAL, GOLD REFINERY

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