



SHREE MAYUR ENGINEERING COMPANY

Manu. of : Investment Casting Machinery

(Since : 1989)

(Since : 1989)

OUR PRODUCTS

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Since its inception in 1989 **Shree Mayur Engineering Co** is honored to serve all its clients across domestic and international markets who rely on its products and services every day. That's the reason **Shree Mayur Engineering Co** holds itself to the highest standards in the field of manufacturing of Investment Casting Foundry machines and Equipment.

At **Shree Mayur Engineering Co** we believe in a strong engineering foundation which enables us to build and maintain our products considering robust quality, world class safety and integrity, exactly the way our clients expect it. That's why we always take time to get our engineering right.

Being one of the leading corporate and having a long tradition in the field of Investment Casting Foundry machines and Equipment manufacturing, **Shree Mayur Engineering Co** continues to expand its Product line and services to meet emerging client needs through creation of advanced technologies and services, state of the art manufacturing facility and a robust team of employees who work with utmost dedication, responsibility and focus on quality and integrity, abiding to the core value of **Shree Mayur Engineering Co** – "Client Satisfaction".

We believe that the overwhelming trust and immense support of our clients in us makes us who we are today – "SHREE MAYUR ENGINEERING CO."

(Since : 1989)

EXPERIENCE AND EXPERTISE:

A combination of unparalleled experience, expertise and technical innovation has ensured our position at the fore front of the industry. With 27 years of manufacturing experience, our machinery and systems have evolved into a proven process. Standing up to the test of time in the toughest foundry environments. Our investment casting machines has established new standards for low maintenance and is a true labor-save and profit maker.

OUR COMMITMENTS:

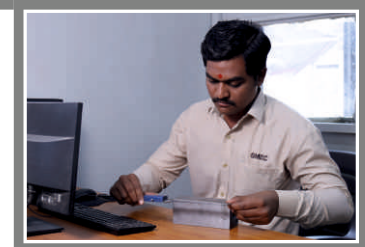
We take pride in our quality and customer service levels. Our aim is to make you, our customers happy. We want to develop real partnerships with customers so we become an integral part of your business.

QUALIFIED AND SKILLED PERSONNEL:

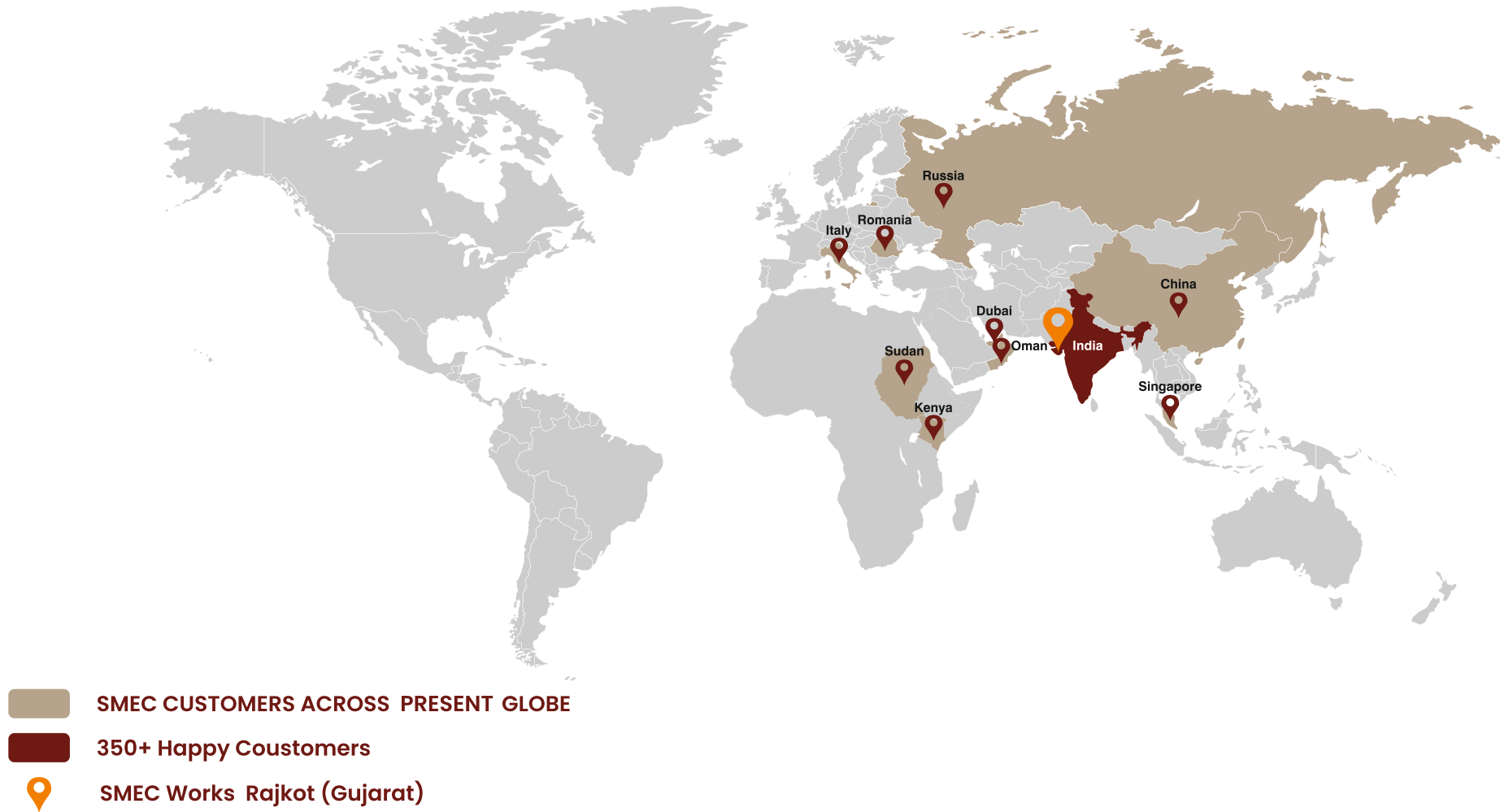
We believe in an empowerment workforce in order to bring new solutions and value to our customers and new opportunities and growth to the company. Our Engineers are qualified and experienced in the design and development of special purpose machines and are further aided by a team of skilled workers. Moreover, We seek and recruit only the best talent available for every job.

SHREE MAYUR ENGINEERING CO. ADVANTAGE:

- ✓ Investment casting machineries with an excellent track record.
- ✓ Excellent surface finish and Dimensional accuracy.
- ✓ Skilled managing staff with considerable wax injection expertise.
- ✓ Easy availability of spare parts at minimal cost.
- ✓ Tailor made machines as per customer requirements & Continuous improvement of technology.



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(Since : 1989)

OUR COUSTOMER





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GLOBAL CUSTOMERS



(ROMANIA)



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(RUSSIA)



(SUDAN)



(SINGAPORE)

(Since : 1989)

WAX MELTER

WM 1989-001

Wax Melter Is Used To Melt The Raw Wax At High Temp, The Wax Raw Is In Form Of Slabs Or Pallets Which Melts By Using Wax Melter For Lost Wax Casting Process.

SPECIFICATION	ELECTRIC	THERMIC OIL
CAPACITY	50 LTR/ 100 LTR/ 150LTR / 200LTR/ 300LTR/ 400 LTR / 500LTR	50 LTR/ 100 LTR/ 150LTR / 200LTR/ 300LTR/ 400 LTR / 500LTR
HEAT SOURCE	MICA BEND HEATER	CERAMIC BOBBIN HEATER
TANK MATERIAL	S.S. 304	INNER TANK S.S. 304 / JACKET TANK M.S.
WORKING TEMP	100°C	100°C



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WAX CONDITIONER

WC 1989-002

Wax Conditioner Is Used To Maintain The Temperature And Viscosity Of Molten Wax Prepared In Wax Melter, And Make Homogeneous For Injection Purpose.

SPECIFICATION	ELECTRIC	THERMIC OIL
CAPACITY	100 LTR/ 150LTR / 200LTR/ 300LTR/ 400 LTR / 500LTR	100 LTR/ 150LTR / 200LTR/ 300LTR/ 400 LTR / 500LTR
HEAT SOURCE	MICA BEND HEATER	CERAMIC BOBBIN HEATER
TANK MATERIAL	S.S. 304	INNER TANK S.S. 304 / JACKET TANK M.S.
AGITATION	M.S. MADE AGITATOR WITH GEARED MOTOR	M.S. MADE AGITATOR WITH GEARED MOTOR
WORKING TEMP	100°C	100°C



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(Since : 1989)

CENTRALIZE WAX FILLING UNIT

CWF 1989-003

Centralize Wax Filling Unit Is Used To Supply Homogeneous Wax Directly To Several Wax Injectorsthough Thermic Oil Heated Pipe Line.

SPECIFICATION	
CAPACITY	200LTR / 300LTR
HEAT SOURCE	CERAMIC BOBBIN HEATER
TANK MATERIAL	INNER TANK S.S. 304 / JACKET TANK M.S.
AGITATION	M.S. MADE AGITATOR WITH GEARED MOTOR
WORKING TEMP	UP TO 75°C
WAX TRANSFER	ROTARY GEAR PUMP
THERMIC OIL CIRCULATION	ROTARY GEAR PUMP



CENTRALIZE WAX FILLING SYSTEM

SPECIFICATION	
CAPACITY	200LTR / 300LTR
HEAT SOURCE	CERAMIC BOBBIN HEATER
WORKING TEMP	UP TO 75°C
WAX TRANSFER	ROTARY GEAR PUMP
THERMIC OIL CIRCULATION	ROTARY GEAR PUMP
WAX TRANFER PIPE	M.S. MADE INNER PIPE FOR WAX AND M.S. MADE JACKET PIPE FOR THERMIC OIL CIRCULATION

ADVANTAGES :

- Human Safety
- Saving Time And Manpower
- Avoiding Material Waste
- Cleanness



(Since : 1989)

VERTICAL WAX INJECTOR

VWI 1989-004

Vertical Wax Injector Is Used To Inject Wax With A Certain Temperature And Pressure Into A Die / tool To Making A Wax Pattern Which Are Complicated

SPECIFICATION	REGULAR	ADVANCE	ADVANCE PLUS
DAYLIGHT	350 / 450 / 550 MM	350 / 450 / 550 MM	350 / 450 / 550 MM
NOZZLE CENTER	300 / 350 / 400 MM	300 / 350 / 400 MM	300 / 350 / 400 MM
SINGLE SHOT	7 / 10 /16 LITERS	7 / 10 /16 LITERS	7 / 10 /16 LITERS
WAX RESERVOIR	18 / 30 /30 LITERS	18 / 30 /30 LITERS	18 / 30 /30 LITERS
HEATING MEDIA	WATER	WATER	WATER
HEAT SOURCE	WATER IMMERSION	WATER IMMERSION	WATER IMMERSION
CLAMP FORCE	6 TON	6 TON	6 TON
INJECTION PRESSURE	0-60 BAR	0-100 BAR	0-100 BAR
HYD. PUMP	GEAR PUMP / VANE PUMP	VARIABLE DISPLACEMENT PUMP	VARIABLE DISPLACEMENT PUMP
MOTOR	3 HP	5 HP	5 HP
DIE TABLE	450MM DIA.	450MM DIA.	450MM SQUARE X 40MM THICK



4 POST TYPE WAX INJECTOR

AWI 1989-005

This Is A 4-post Type, Down Stroking, Vertical Clamping Wax Injector, To Inject Wax With Certain Pressure And Temperature In Horizontal Axis To The Die/tool To Making Bulk Quantity Of Wax Patterns In Less Time.

SPECIFICATION	AWI1989-005-12	AWI1989-005-20	AWI1989-005-35
CLAMP FORCE	12 METRIC TON	20 METRIC TON	35 METRIC TON
ADMIT	400 MM / 500 MM	600 MM	800MM
MAX DAYLIGHT	400 MM / 500 MM	600 MM	800MM
MIN DAYLIGHT	100MM	100MM	100MM
SINGLE SHOT	2 LITERS	3.5 LITERS	8 LITERS
WAX RESERVOIR	30 LITERS	60 LITERS	80 LITERS
NOZLE HEIGHT VERTICAL	UP TO 230MM	UP TO 280MM	UP TO 400 MM
INJECTION PRESURE	0-75 BAR	0-75 BAR	0-75 BAR
TOP INJECTION	POSSIBLE	POSSIBLE	POSSIBLE
PLATEN COOLING	POSSIBLE	POSSIBLE	POSSIBLE



(Since : 1989)

50 T 4 POST TYPE WAX INJECTOR

AWI 1989-005-50

This Is A 4-post Type, Down Stroking, Vertical Clamping Wax Injector, To Inject Wax With Certain Pressure And Temperature In Horizontal Axis To The Die/tool To Making Bulk Quantity Of Wax Patterns In Lesstime.

SPECIFICATION	
CLAMP FORCE	50 METRIC TON
CLAMP FORCE	1200 MM
MAX DAYLIGHT	1200 MM
MIN DAYLIGHT	100 MM
SINGLE SHOT	15 LITERS
WAX RESERVOIR	100 LITERS
NOZLE HEIGHT VERTICAL	UP TO 1800 MM
INJECTION PRESURE	0-80 BAR
TOP INJECTION	POSSIBLE
PLATEN COOLING	POSSIBLE



C-FRAME TYPE WAX INJECTOR

CWI1989-006

This Is A C- Frame Type, Down Stroking, Vertical Clamping Wax Injector, To Inject Wax With Certain Pressure And Temperature In Horizontal / Vertical Axis To The Die/tool To Making Highly Precision Wax Patterns In Less Time.

SPECIFICATION	CWI1989-006-12	CWI1989-006-20	CWI1989-006-35
CLAMP FORCE	12 METRIC TON	20 METRIC TON	35 METRIC TON
ADMIT	600MM X 450MM	700MM X 550MM	800MM X 650MM
MAX DAYLIGHT	500 MM	600MM	700MM
MIN DAYLIGHT	100 MM	100MM	100MM
SINGLE SHOT	2 LITERS	3.5 LITER	8 LITER
WAX RESERVOIR	30 LITERS	60 LITER	80 LITER
NOZLE HEIGHT VERTICAL	UP TO 230MM	UP TO 280MM	UP TO 350MM
INJECTION PRESURE	0-75 BAR	0-75 BAR	0-75 BAR

ADVANTAGES

- 18" Touch Screen Ipc
- 1000+ Die Recipe Storage
- High Precision Wax Pattern
- Proportional Flow And Pressure Hydraulic Pump



(Since : 1989)

AUTO-MODE WAX INJECTOR

AMWI 1989-007

This Is A 4 Post Type, Horizontal Clamping Fully Automatic Wax Injector, To Inject Wax With Certain Pressure And Temperature In Horizontal Axis To The Die/tool To Making Highly Precision Wax Patterns In Bulk Quantity In Less Time.

SPECIFICATION	AMWI 1989-007-12	AMWI 1989-007-20
CLAMP FORCE	12 METRIC TON	20 METRIC TON
ADMIT	400MM	600MM
MAX DAYLIGHT	600 MM	800MM
MIN DAYLIGHT	100 MM	100MM
SINGLE SHOT	2 LITERS	3.5 LITER
WAX RESERVOIR	60 LITERS	80 LITER
NOZZLE HORIZONTAL ADJUSTMENT	UP TO 350MM	UP TO 500MM
INJECTION PRESURE	0-75 BAR	0-75 BAR
PLATEN COOLING	POSSIBLE	POSSIBLE
PATTERN EJECTION	AUTOMATIC	AUTOMATIC
MOULD RELEASE SPRAY SYSTEM	AUTOMATIC	AUTOMATIC
DIE/TOOL LOADING-UNLOADING	INBIULT OVERHEAD CRANE FACILITY	INBIULT OVERHEAD CRANE FACILITY

ADVANTAGES

- 18" TOUCH SCREEN IPC
- 1000+ DIE RECIPE STORAGE
- HIGH PRECISION WAX PATTERN
- PROPORTIONAL FLOW AND PRESSURE TYPE HYDRAULIC PUMP
- AUTO SILICON SPREY SYSTEM
- FULLY AUTOMATIC OPERATION



WAX RUNNER EXTRUDER

WREX 1989-008

In Lost Wax Casting Process, The Injected Wax Patterns Have To Attach On Wax Runner To Make A Cluster, That Wax Runners Are Produced By The Wax Runner Extruder.

SPECIFICATION	
WAX TUBE	15 LITER
MAX RUNNER SIZE	100 X 100 MM
EXTRUSION	BY HYDRAULIC SYSTEM
EXTRUSION FORCE	15 TON
HYDRAULIC PUMP	VANE PUMP
BARREL HEAT SOURCE	MICA BEND HEATER
DIE HOLDER HEAT SOURCE	MICA BEND HEATER
DIE HOLDER	110MM RUNNER DIE, M.S. MADE. (SQUARE, ROUND, TRIANGLE)
MOTOR H.P.	5 HP.



(Since : 1989)

HOT PLATE

HP 1989-009

In Lost Wax Casting Process, The Injected Wax Patterns Have To Attach On Wax Runner To Make A Cluster, The Hot Plate Is Used To Heat The Gates Of Wax Pattern And Such Area Of Wax Runner To Stick Together.

SPECIFICATION		
HEAT PLATE MATERIAL	M.S. FABRICATED	M.S. FABRICATED
HEAT SURFACE AREA	300MM X 450MM	450MM X 600MM
HEAT SOURCE	CERAMIC FLAT HEATER	CERAMIC FLAT HEATER
WORKING TEMP	250°C MAX	250°C MAX
HEATER KW	6KW	6KW



PATTERN ASSEMBLY TABLE

PAT 1989-010

An Assembly Table Is A Work Station Required For Assembling Wax Patterns To Wax Runner. Where Customer Get Heating Plates, Runner Holding Mechanism, Soldering Iron And Lighting Facility At Single Place.

SPECIFICATION	
MATERIAL	M.S. FABRICATED
WORK TABLE SIZE	800MM X 2200MM
HEATING PLATE	2 NOS. OF 300MM X 450MM
WORKING TEMP	250°C MAX
HEATER KW	6KW
LIGHTING	2NOS 15WATTS LED LIGHTS
POWER POINT	4NOS 16AMP SWITCH BOARD
FUME EXHAUST	15" EXHAUST FAN
RUNNER HOLDING	ADJUSTABLE MECHANICAL ARRANGEMENT



(Since : 1989)

HIGH SPEED SLURRY MIXER

HSSM 1989-011

The Stucco (slurry) Is Required To Coat On Wax Cluster Which Is Composition Of Water + Colloidal Silica + Zircon Flour, The High-speed Mixer Is Used To Mix It Up To Homogeneous Form Properly.

SPECIFICATION	
CAPACITY	160 LITERS
TANK MATERIAL	S.S. 304
MIXING RPM	VARIABLE 0-2800RPM
MATERIAL HANDLING	DRUM TILTING FACILITY
MIXING TOOL MATERIA	200MM DIA. TEFLON DISC WITH GROOVES
AGITATOR MOVEMENT	PNEUMATIC CYLINDER

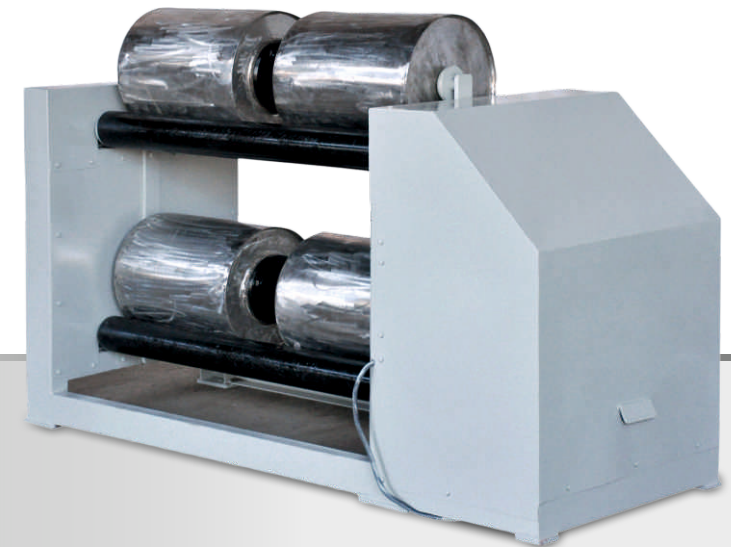


SLURRY MIXER JAR MILL

SMJM 1989-012

The Stucco (slurry) Is Required To Coat On Wax Cluster Which Is Composition Of Water + Colloidal Silica + Zircon Flour, The Jar Mill Used To Mix It Up To Homogeneous Form Also Used To Store Spare Stucco For Long Days.

SPECIFICATION	SMJM1989-012-04	SMJM1989-012-06
CAPACITY	30 LITERS X 4 NOS. JAR (120 LITERS)	30 LITERS X 6 NOS. JAR (180 LITERS)
JAR MATERIAL	S.S. 304	S.S. 304
JAR ROTATION RPM	22 RPM	22 RPM
JAR ROTATION	ROTARY HORIZONTAL ROLLERS	ROTARY HORIZONTAL ROLLERS



(Since : 1989)

SLURRY COATING MACHINE

SCM 1989-013

The Slurry Coating Machine Is Used To Coat The Layers Of Prepared Primary And Backup Stucco On Assembled Wax Pattern Clusters. It Keeps Slurry In Homogeneous Form By Rotary Movement.

SPECIFICATION		
TANK DIAMETER	600MM / 750 MM / 900MM	750MM / 900MM
TANK DEEP	600MM	750MM
TANK MATERIAL	S.S. 304	S.S. 304
SLURRY BLENDING	S.S304, L SHAPE / U SHAPE BAFFLE	S.S304, L SHAPE / U SHAPE BAFFLE
TANK RPM	22RPM	22RPM
TANK ROTATION	GEARED MOTOR	GEARED MOTOR



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SAND RAINER

SR 1989-14

A Thin Layer Of 300mesh Zircon Sand Need To Coat On Wet Stucco Coated Wax Cluster, The Sand Rainer Is Used To Shower The Zircon Sand In Slow Raining Motion To Coat A Uniform Layer.

SPECIFICATION	
WORKING AREA	DIAMETER 800MM X DEEP 900MM
SAND RAINING AREA	380MM X 380MM
SAND RAINING	BY FINS ROTARY DRUM.
STRUCTURE MATERIAL	BY FINS ROTARY M.S. FABRICATED
DRUM ROTATION	GEARED MOTOR
DRUM RPM	22RPM



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(Since : 1989)

ROTARY DRUM TYPE SAND RAINER

RDSR 1989-015

Layers Of Different Types Of Coating Sand Need To Coat On Wet Stucco Coated Wax Cluster Through Out The Lost Wax Casting Process, The Rotary Drum Sand Rainer Is Used To Shower The Coating Sand In Slow Raining Motion To Coat A Uniform Layer.

It Is Also Suitable For Robotics Automation Shelling System

SPECIFICATION	
WORKING AREA	DIAMETER 1200MM X DEEP 1000MM
SAND FLOW STREAM AREA	750MM X 750MM
STRUCTURE MATERIAL	M.S. FABRICATED
SAND RAINING	BY FINS ROTARY DRUM.
DRUM RPM	12 RPM
DRUM ROTATION	DRUM PLACED ON, P.U. COATED CASTED WHEELS FITTED ON ROTARY SHAFT
DUST SUCTION	DUST SUCTION HOPPER AT THE FRONT TOP AREA.
STONE SEPARATOR	STONE SEPARATOR ATTACHED AT SIDE OF SAND HOPPER IN SLANT FOR EASY SEPARATION OF STONES.
UNIFORM RAINING	SAND HOPPER VIBRATES BY ELECTRIC VIBRATING MOTOR.
SAND FEEDING	AUTO SAND FEEDING FACILITY



- WE CUSTOMIZE YOUR REQUIREMENT

SAND FLUIDIZED COATING SET

SDCS 1989-016

Layers Of Different Types Of Coating Sand Need To Coat On Wet Stucco Coated Wax Cluster Through Out The Lost Wax Casting Process, The Fluidized Coating Set Used To Coat The Layers Of Coating Sand

SPECIFICATION	
SAND FLUIDIZATION AREA	600MM x 420MM (H) / 750MM x 420MM (H) / 900MM x 420MM (H)
DRUM MATERIAL	M.S. FABRICATED
SAND FLUIDIZING	PRESSURIZE AIR FROM BLOWER
AIR CIRCULATION	METAL NOZZLE
DUST SUCTION	HOPPER PROVIDED AT THE TOP OF DRUM



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(Since : 1989)

DUST COLLECTOR

DC 1989-017

Dust Collector Required To Collect The Micro Practical Of Dust Which Are Produce During, Sand Raining, Sand Fluidizing And Sand Blasting Area, To Prevent Worker Health

SPECIFICATION	DC1989-017-02	DC1989-017-04	DC1989-017-06
FILTERS	PTFE MADE 2 NOS. FILTERS	PTFE MADE 2 NOS. FILTERS	PTFE MADE 2 NOS. FILTERS
DUST COLLECTION CAPACITY	UP TO 5 MICRONS	UP TO 5 MICRONS	UP TO 5 MICRONS
FILTER CLEANING	AUTO CLEANING FACILITY	AUTO CLEANING FACILITY	AUTO CLEANING FACILITY
SUCTION BLOWER	2 HP	5 HP	7 HP
DUST COLLECTION	CONICAL BOTTOM WITH MOVABLE SQUARE CABINET	CONICAL BOTTOM WITH MOVABLE SQUARE CABINET	CONICAL BOTTOM WITH MOVABLE SQUARE CABINET



WAX AND WATER DEWAXING TANK

WD 1989-018

The Dewaxing Tank Is Used To Remove Wax From Dry Solid Shell After Completion Of Specific Drying Period, To Pre-heat The Same Before Pouring The Molten Metal Into It.

SPECIFICATION	
DEWAXING AREA	L 1200 X W 600MM X H 800MM
DEWAXING TANK MATERIAL	S.S. 304
STRUCTURE MATERIAL	M.S. FABRICATED
HEAT SOURCE	GAS BURNER
WORKING TEMP	120°C
FUEL TYPE	LPG / PNG
THERMAL INSULATION	TANK BOTTOM INSULATED WITH REFRACTORY BRICKS AND CERAWOOL, TANK SIDES INSULATED WITH CERAWOOL BLANKETS.



(Since : 1989)

THERMIC OIL HEATING CIRCULATION UNIT

THCU 1989 – 029

SPECIFICATION	
CAPACITY	75 LITRE
HEAT SOURCE	CERAMIC BOBBIN HEATER
TANK MATERIAL	M.S FABRICATED
WORKING TEMPERATURE	100 DEGREE CELCIOUS MAXIMUM
THERMIC OIL CIRCULATION	BY HIGH TEMPERATURE – ROTARY GEAR PUMP
APPLICATION	FOR MAINTAIN THE TEMPERATURE OF WAX TRANSFER PIPELINE



WAX FILTRATION AND COLLECTING TANK

WFCT 1989-021

Few Of Dust Particles And Impurities Is There In Wax Reclaim Tank Afterall, The Wax Filtration And Collecting Tank Is Needed To Remove All The Remaining Impurities From The Same And To Collect The Clean Wax Within It.

SPECIFICATION	
TANK CAPACITY	200 LITERS
TANK SIZE	750MM X 750MM
TANK MATERIAL	S.S. 304
STRUCTURE MATERIAL	M.S. FABRICATED
FILTRATION TANK	450MM X 500 MM
FILTRATION	25MESS WIRE NET AT BOTTOM OF FILTRATION TANK
HEAT SOURCE	MICA BEND HEATER
WORKING TEMP	120°C



(Since : 1989)

WAX RECLAIM TANK

WRT 1989-020

The Wax After Dewaxing Process Is Containing Dust Particles And Water Particle Within Itself, The Wax Reclaim Tank Used To Separate The Impurities And Settle It To Its Conical Bottom And Burn The Water Particle.

SPECIFICATION	
TANK CAPACITY	1000LITERS
TANK SIZE	DIAMETER 1050MM X HEIGHT 2000MM
TANK MATERIAL	S.S. 304
STRUCTURE MATERIAL	M.S. FABRICATED
HEAT SOURCE	GAS BURNER
WORKING TEMP	120°C
FUEL TYPE	LPG / PNG
THERMAL INSULATION	TANK BOTTOM INSULATED WITH REFRACTORY BRICKS AND CERAWOOL, TANK SIDES INSULATED WITH CERAWOOL BLANKETS.



■ WE CUSTOMIZE YOUR REQUIREMENT

SHELL PRE-HEATING FURNACE

SPHF 1989-023

A Ladle Needs To Be Pre Heated To Maintain The Thermal Difference Between Ladle Inner Martial And Molten Metal, Before It Is Going To Use For Metal Pouring, Ladle Pre-heating Unit Used To Pre Heat The Same.

SPECIFICATION	
CHAMBER SIZE	L 1500MM X W 1500MM X H 1000MM
STRUCTURE MATERIAL	M.S. FABRICATED
INSULATION	REFRACTORY BRICKS AND CERAWOOL BLANKETS
HEAT SOURCE	GAS BURNER / LDO BURNER
FUEL	LPG, PNG / LDO
DOOR OPEN CLOSE	BY CHAIN SPROCKET MECHANISM OPERATED BY GEARED MOTOR
WORKING TEMP	0-900°C
FUEL CONSUMPTION CONTROL	S.S. 316 MADE AIR HEATING RECUPERATOR AND BURNER MODULATION FACILITY PROVISION.



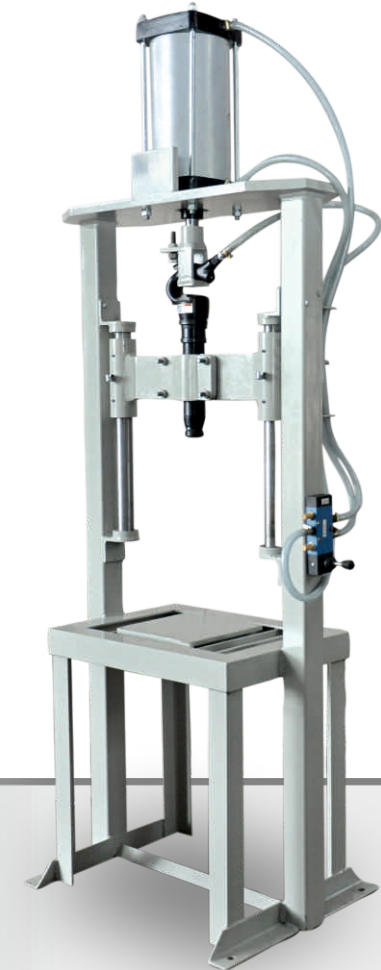
(Since : 1989)

KNOCK OUT MACHINE

KOM 1989-024

The Ceramic Layer Of Metal Poured Shell Has To Remove Without Any Damage Caused To The Casted Metal Parts, The Knockout Machine Remove It Very Quickly And Easily.

SPECIFICATION	
ADMIT	500MM
MAX DAYLIGHT	565MM
MIN DAYLIGHT	265MM
KNOCKING	VIBRATING CHIPPER
CLAMPING	PNEUMATIC CYLINDER
STRUCTURE	M.S. FABRICATED



ACOUSTIC CHAMBER TYPE KNOCK OUT MACHINE

ACKOM 1989-025

The Ceramic Layer Of Metal Poured Shell Has To Remove Without Any Damage Caused To The Casted Metal Parts, The Knockout Machine Remove It Very Quickly And Easily.

SPECIFICATION	
ADMIT	500MM
MAX DAYLIGHT	M.S. FABRICATED
KNOCKING	VIBRATING CHIPPER
CLAMPING	PNEUMATIC CYLINDER
STRUCTURE	M.S. FABRICATED
ACOUSTIC CHAMBER	ALL SIDES INSULATED WITH WOOLEN MATERIAL
STUCCO DRAIN	AUTO DOOR OPEN CLOSE BY PNEUMATIC CYLINDER AND DRAIN BY VIBRATION.
DUST COLLECTION	2 PTFE CARTIDGE FILTER TYPR DUCT COLLECTOR PROVISION



(Since : 1989)

ABRASIVE CUT OFF MACHINE

ACOM 1989-026

Abrasive Cut Off Machine Used To Cut The Casted Component From Cluster

SPECIFICATION	
CUTTING DISC	DIA 200MM – DIA 400MM
DISC MATERIAL	ABRASIVE TYPE
CUTTING SPEED	1500RPM
DISC ADJUSTMENT	SREW MECHANISM
CAPACITY	10MM TO 45MM PART SIZE
MOTOR	5HP



SAND BLASTING MACHINE

SBM 1989-027

To Clean The Casted Parts And To Make Each Surfaces Similar, It Is Required To Blast The Sand On Casting Surface With High Presure, The Sand Blasting Machine Use For Same.

SPECIFICATION		
SAND STORAGE	1000KG	1500KG
TANK SIZE	DIA 800MM X DEEP 1200MM	DIA 1000MM X DEEP 1500MM
TANK MATERIAL	5MM THICK M.S.	8MM THICK M.S.
AIR PRESURE	6 BAR	6 BAR
SAND FLOW CONTROL	BY RUBBER COATED BUTTERFLY VALVE	180°BY RUBBER COATED BUTTERFLY VALVEC
BLASTING NOZZLE	M.S. MADE 4MM HOLE	M.S. MADE 6MM HOLE



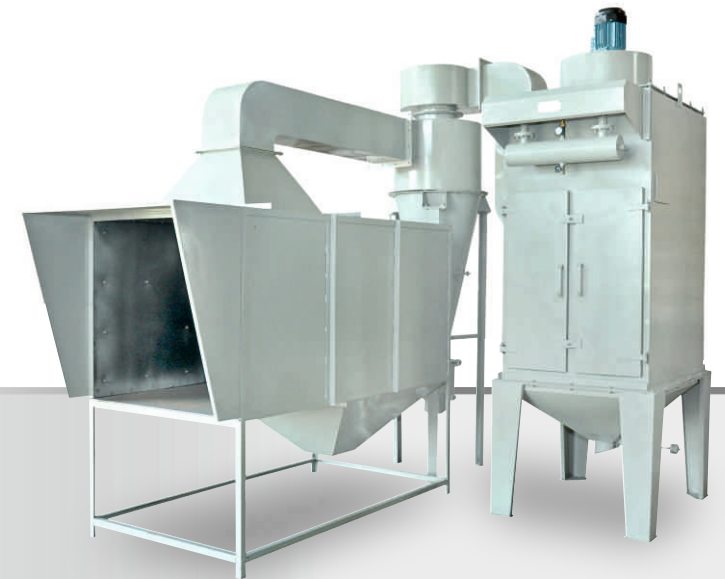
(Since : 1989)

SAND BLASTING SETUP

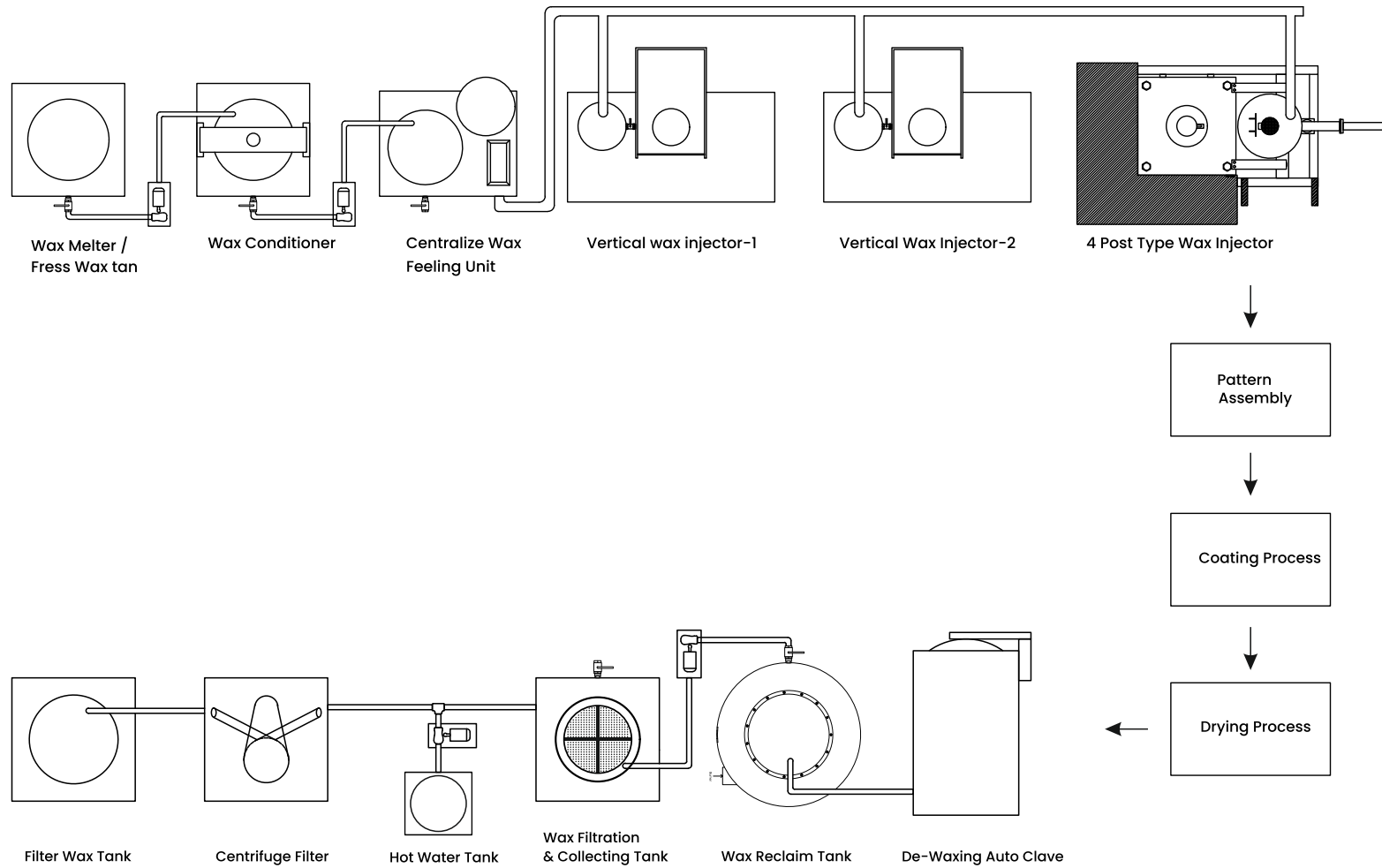
SSBS 1989-028

Sand Blasting Setup Is A Work Station To Clean The Casted Component, Where Work Done More Easy, Heavy Dust Particle Collected Through Cyclone Separator And Light Dust Particle Collected By Dust Collector Which Prevent Operator Health.

SPECIFICATION	
BLASTING CABIN	DEPTH 2150MM X WIDTH 1500MM X HEIGHT 1050MM
WORKING AREA	DEPTH 1900MM X WIDTH 1500MM X HEIGHT 900MM
WORKING HEIGHT	840MM FROM FLOOR
SAND RECLAIM	FROM BOTTOM HOPPER
HEAVY DUST SEPARATION	CYCLONE SEPARATOR BETWEEN CABIN AND DUST COLLECTOR PROVIDED FOR HEAVY DUST SEPARATION AND COLLECTION
DUST COLLECTION	06 PTFE CARTRIDGE FILTER TYPE DUST COLLECTOR PROVISION



WAX TRANSFER SYSTEM- SEMI AUTO



Accessories



Shell Handling Trolley

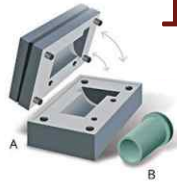


Insert + Handle + Shell Plate



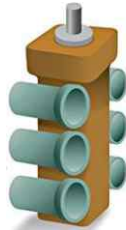
Shell Loading - Unloading Stand With Rod

PROCESS OF INVESTMENT CASTING



1 Tooling and Pattern Making

A tool is built to customer-provided specification (A). Cold wax is then injected into the tool to create a wax pattern/prototype (B) that will hold precise dimensional requirements in the final casting.



2 Pattern Assembly

The Wax Patterns are assembled onto the Sprue.



3 Dipping and Coating

Successive Layers of ceramic (A) and Stucco (B) are applied to the sprue assembly to form a hard shell.



4 De-Waxing and Firing

The molds are flash fired to remove the wax and sprue materials and then heated to 1,800° and placed on a sand bed, ready for pouring.



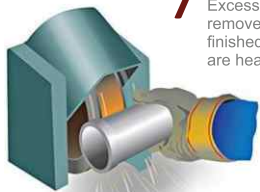
5 Casting

Molten metal, up to 3,000°, is poured into the hollow mold and then cooled.



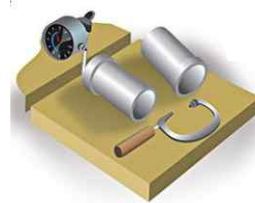
6 Knockout

The ceramic shell is broken off, and the individual castings are cut away.



7 Finishing

Excess metal is removed, surfaces are finished, and casting are heat treated.



8 Testing and Inspection

Castings undergo thorough testing and inspection to ensure that they meet dimensional tolerances and specifications.



9 Packing and Shipping

Castings are securely packaged for shipping to the customer.

SHREE MAYUR ENGINEERING COMPANY

Survey No : 349/3, Plot No.01, Shapar Dholara Road,
Shapar (Veraval)-360024 - Rajkot (Gujarat)

Contact : +91 7383940701 | TeleFax : 0281-2361311

E-mail : smecrajkot@gmail.com

Web : www.shreemayurgroup.com