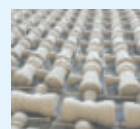
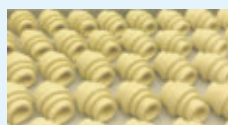




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MAKEWELL
TECHNOMAC



Core Shooter

Quality Product,
Quality People,
Quality Service



We, MAKEWELL TECHNOMAC is a pioneering leader in supply of the foundry machinery like as Horizontal cold box core shooter, Vertical cold box core shooter, Shell/hot box core shooter manufacturer. We delivers innovative and sustainable solutions in core shop to customers and creates long-term relation for all customer. We bridge the gap between customers to providing cost effective route to market and customers specialist advice and a wide range of products. We Have of devoted ourselves with unbridled passion to overcome the ever - evolving challenges of core.

We have a large and ultramodern infra structural unit that is outfitted with essential machinery, tools and devices. That assists us to make qualitative range of products in accordance with global set standard. In addition to a complete line of pre-engineered or standard products, we have the capacity and experience to custom design and engineer products for the unique needs of our customers. Our people are global, diverse and dedicated, operating with the highest integrity and passion to fulfill mission and deliver for our customers. Our experts have years of experience working with companies just like yours and quickly identify and implement process Improvements leading to better cycle times, optimize gas, reduced west of raw material, improved process capability and increased throughput.

We have horizontal and vertical parting line to developing leading and innovative machine technology; ultra high precision, advanced automation and multifunction. Our machine are fully PLC controlled automatic with advanced pneumatic and hydraulic technology which is best for excellent & quality costing production.

Our unit comprises of sub divisions such as Manufacturing, R & D department, Assembly area, Marketing and Sales, Designing and Engineering etc. At every stage of setup and operation, you're backed by highly skilled engineering, training and repair professionals. Our service team is available 24 X 7 and is passionate about your success.



SAILENT FEATURES

- Fully automatic operations by use of PLC with HMI.
- Fault diagnostics & operating instructions displayed on touch screen.
- Recipe management for variety of core boxes possible with password protected parameter setting.
- Auto / Manual mode selection facility available.
- Auto repeat cycle facility provided.
- High resolution color HD display.
- Safety interlocks incorporated in the control system.
- Display of operating parameters on screen of HMI And PLC.
- FRL incorporated for supply of moisture free Air and Pneumatic lubrication.
- Electricity phase prevention incorporated in controlling system.
- Liberally designed hydraulic Power Pack.
- Proven, sturdy and Job rated Machine to suit all foundry conditions.
- Hydraulically operated clamping and ejection system.
- All movements by means of hydraulic and pneumatic cylinders.
- 180° Tilting of operating panel.
- Air blow Gun, work light and maintenance tool kit.
- Low Power consumption operating system.
- Low maintenance requirment due to robust components.
- Day To Day Production data given for record / Analysis.
- Built in control system to facilitate various operation of the equipment as per the international standards and norms.
- SPM core shooter machines can also be manufactured on customer requirement.



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Cold Box Core Shooter Machine



MTH-450-M



MTH-500-M





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Cold Box Core Shooter Machine

Key Features

- Compact & Robust Design High Dimensional accuracy.
- Optimum Cycle Time For Core Produce.
- Easy To Clamping Core Box.
- Shooting And Gassing Through Latest Technique.
- In Built Gas Generator With Air As Carrier Medium.
- Automatic Core Ejection By Hydraulic.
- Air Suction Blower For The Waste Amine Gas Air.
- Proper Vaporization Of Amine Ensured By Using Hot Dry Air.
- After Gassing Quick Exhaust Valve To Relies Excess Air.
- Maximum Space Available For Tooling Clampnig



Technical Specification

SPECIFICATION		MODEL MTH-450-S	MODEL MTH-450-M	MODEL MTH-500-S	MODEL MTH-500-M
Operating	-	Horizontal	Horizontal	Horizontal	Horizontal
Shooting Capacity	kg	Up To 7	Up To 7	Up To 12	Up To 12
Tooling Size	LxWxH mm	450X450x400	450X450x400	500X500x600	500X500x600
Shoot And Gas Blow Area	-	Single	Multi	Single	Multi
Sand Hopper Capacity	kg	50	50	60	60
Base Hyd. Cylinder Stroke	mm	400	400	600	600
Core Box Weight	kg	150	150	200	200
Electricity Requirement	HP	2-3	2-3	3-4	3-4
Pneumatic Pressure Required	kg./mm ²	5-7	5-7	5-7	5-7
All Operation	-	Automatic	Automatic	Automatic	Automatic
Ejection	mm	25	25	30	30
Dry Cycle Time	Sec	16	16	22	22



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Cold Box Core Shooter Machine



MTH-600-MT





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Cold Box Core Shooter Machine

Key Features

- Multiple Shooting Facility In Auto Cycle.
- After Gassing Quick Exhaust Valve To Relies Excess Air.
- Better Compatible For Large Scale Unit Of Core Production.
- Shooting And Gassing Through Latest Technique.
- Mandrel Trolley For Tooling Clamping And Retrievals Of Core.
- In Built Gas Generator With Air As Carrier medium.
- Easy To Remove Core From The Core Box.
- Smooth & Closely Tolerated Bottom Ejection Facility Outside The Machine.
- Proper Vaporization Of Amine Ensured By using Hot Dry Air.
- Air Suction Blower For The Waste Amine Gas Air.
- Optimum & Ergonomic Machine Design As Well As Construction Enables Sufficient Access To Compemets and Assemblies For Maintenance.



Technical Specification

SPECIFICATION		MODEL MTH-600-M	MODEL MTH-600-MT	MODEL MTH-700-MT
Operating	-	Horizontal	Horizontal	Horizontal
Shooting Capacity	kg	Up To 25	Up To 25	Up To 50
Tooling Size	LxWxH mm	600X600x500	600X600x500	700X700x600
Shoot And Gas Blow Area	mm	400X400	400X400	500X500
Sand Hopper Capacity	kg	150	150	200
Base Hyd. Cylinder Stroke	mm	600	400	500
Ejection Hyd. Cylinder Stroke	mm	-	100	100
Core Box Weight	kg	300	300	500
Electricity Requirement	HP	3-4	5-6	6-7
Pneumatic Pressure Required	kg./mm ²	5-7	5-7	6-8
All Operation	-	Automatic	Automatic	Automatic
Core Retrieval Trolley	-	No	Yes	Yes
Ejection Area	mm	600x600	600x600	700X700
Dry Cycle Time	Sec	26	35	40



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Shell Core/Mould Shooter Machine



MTSH-500-M



MTSH-600-M





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Shell Core/Mould Shooter Machine

Key Features

- Aesthetic And Accurate Design Of Machine.
- Heavy Duty Components Used In Machine For Long And Low Maintenance.
- Combine Unit Of Heaters And Plate For Receiving Fast Temperature Of Core Box.
- Traveling Type Sand Magazine And Top Ejecting Trolley.
- Top And Bottom Ejecting Facility For Core Retrive.
- Vertical & Horizontal Parted Tooling Available In Different Model.
- High Process Reliability & Environmental Sustainability.
- Short Cycle Time Operation Controlled By PLC Technology.
- High Durability Core Production.
- Multiple Shooting Facility In Auto Cycle.



Technical Specification

SPECIFICATION		MODEL MTSH-300-S	MODEL MTSH-400-M	MODEL MTSH-500-M	MODEL MTSH-600-M
Operating	-	Horizontal	Horizontal	Horizontal	Horizontal
Shooting Capacity	kg	3	5	12	25
Shooting Type	-	Top	Top	Top	Top
Tooling Size	LxWxH mm	300X300X300	400X400X400	500X500X500	600X600X600
Shooting	-	Single	Multi	Multi	Multi
Sand Hopper Capacity	kg	50	50	60	100
Bottom Ejection	mm	25	25	30	30
All Operation	-	Automatic	Automatic	Automatic	Automatic
Electricity Requirement	Kw	8	10	15	18
Pneumatic Pressure Required	kg./mm ²	5 To 7	5 To 7	5 To 7	5 To 7
Dry Cycle Time	Sec	15	15	15	15

Cold Box Core Shooter Machine



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MTV-5060-MT





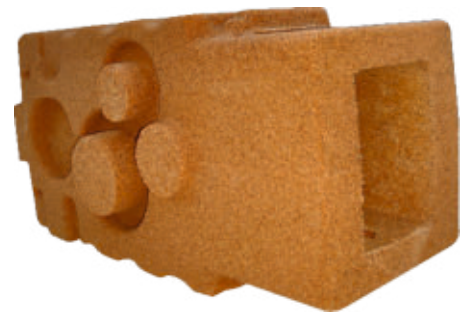
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Cold Box Core Shooter Machine

Key Features

- Specially Design For Vertical Core Production.
- Highly Efficient And Large Production For Vertical Type Core.
- Mandrel Work On Sidebar .
- Revanop Technology Used In All Operations.
- Enclosures For Electrical Supply Located With Safety & Accessibility Considerations And Protective Devices.
- Trouble Free Performance Of Machine.
- Traveling Type Sand Magazine And Gassing Trolley.
- Better Tooling Clamping.



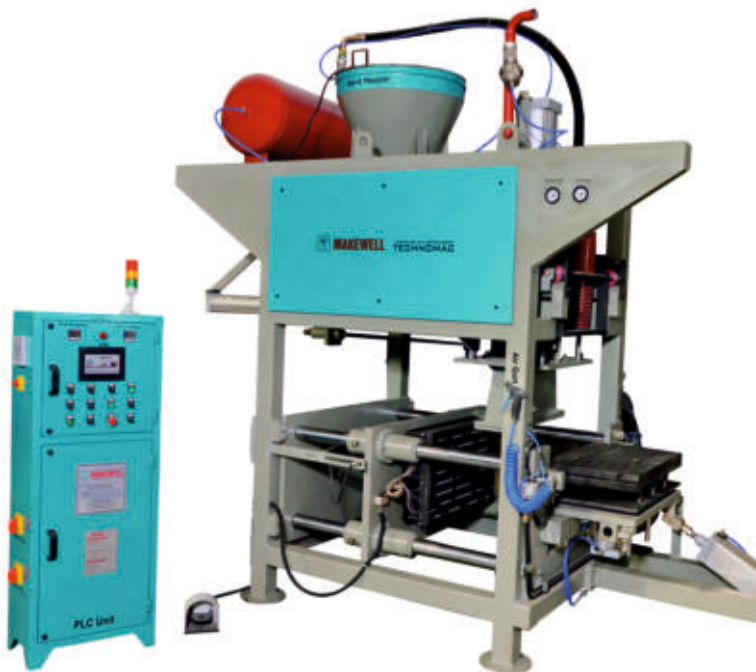
Technical Specification

SPECIFICATION		MODEL MTV-2030-M	MODEL MTV-5060-MT	MODEL MTV-6070-MT
Operating	-	Vertical	Vertical	Vertical
Shooting Capacity	-	Up To 5	Up To 25	Up To 50
Tooling Size	LxWxH mm	300X400x200	500X800x600	600X1000x700
Core Retrieval Trolley	-	No	Yes	Yes
Core Retrieval Trolley Size	mm	-	600x500	500x700
Sand Hopper	kg	60	150	200
Core Box Weight	kg	50	200	300
Ejection Hyd. Cylinder Stroke	mm	-	100	100
All Operation	-	Automatic	Automatic	Automatic
Shoot And Gas Blow Area	mm	100x300	100x400	100x550
Electricity Requirement	HP	3-4	5-6	6-7
Pneumatic Pressure Required	kg./mm ²	5-7	5-7	5-7
Dry Cycle Time	Sec	20	35	40



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Shell Core/Mould Shooter Machine



MTSV-4570-MT



MTSH-5080-M





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Shell Core/Mould Shooter Machine

Key Features

- Horizontal And Vertical Parted Shell Core Shooter.
- Multi Blow Provision For Producing Heavier Core/Mould.
- Combine Unit Of Heaters And Plate For Receiving Fast Temperature Of Core Box.
- In Vertical Machine Swing Door On Fix Side, Opening Horizontally.
- Use For Heavy And Solid Core / Mould.
- Sand Level Sensor On Hopper Top To Monitor Sand Requirement.
- High Tooling Clamping Force.
- Shorter Machine Cycle Times Controlled By PLC Technology.
- Hydraulic And Pneumatic Option Available.



Technical Specification

SPECIFICATION		MODEL MTSV-3040-M	MODEL MTSV-4570-MT	MODEL MTSH-5080-M
Operating	-	Vertical	Vertical	Horizontal
Shooting Capacity	-	Up To 5	Up To 25	Up To 50
Shooting Type	-	Top	Top	Top
Tooling Size	LxWxH mm	300X600x400	450X1000x700	500X800x550
Shooting	-	Multi	Multi	Multi
Sand Hopper	kg	60	100	150
Core Box Weight	kg	100	300	300
All Operation	-	Automatic	Automatic	Automatic
Bottom Ejection	mm	-	-	30
Electricity Requirement	kw	10	18	20
Pneumatic Pressure Required	kg./mm ²	5-7	5-7	5-7
Dry Cycle Time	Sec	20	30	20
Tilting Available	-	-	Horizontal/Vertical	-



Mfg. By

Makewell Technomac

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