



SAND CASTING



ALFA FOUNDRY TECHNOLOGIES PVT. LTD.

CLIENTS



ABOUT US

For over 35 years, Alfa Engineering and Enterprise (AEE) has been a trusted name in the foundry industry—delivering machinery that makes processes simpler, faster, and more reliable. Since 2008, we've been helping foundries grow with solutions designed around real challenges on the production unit.

In 2022, we stepped into a new era as Alfa Foundry Technologies Pvt. Ltd. (AFTPL)—bringing together innovation, experience, and a clear vision for the future. Guided by the expertise of Mr. Dhanjibhai Raiyani and the fresh technical leadership of Mr. Gaurav Raiyani, we continue to blend quality with cost-effectiveness, making advanced technology accessible for all.

At AFTPL, we believe in more than machines. We believe in partnerships, progress, and the power of technology to transform your foundry's tomorrow.

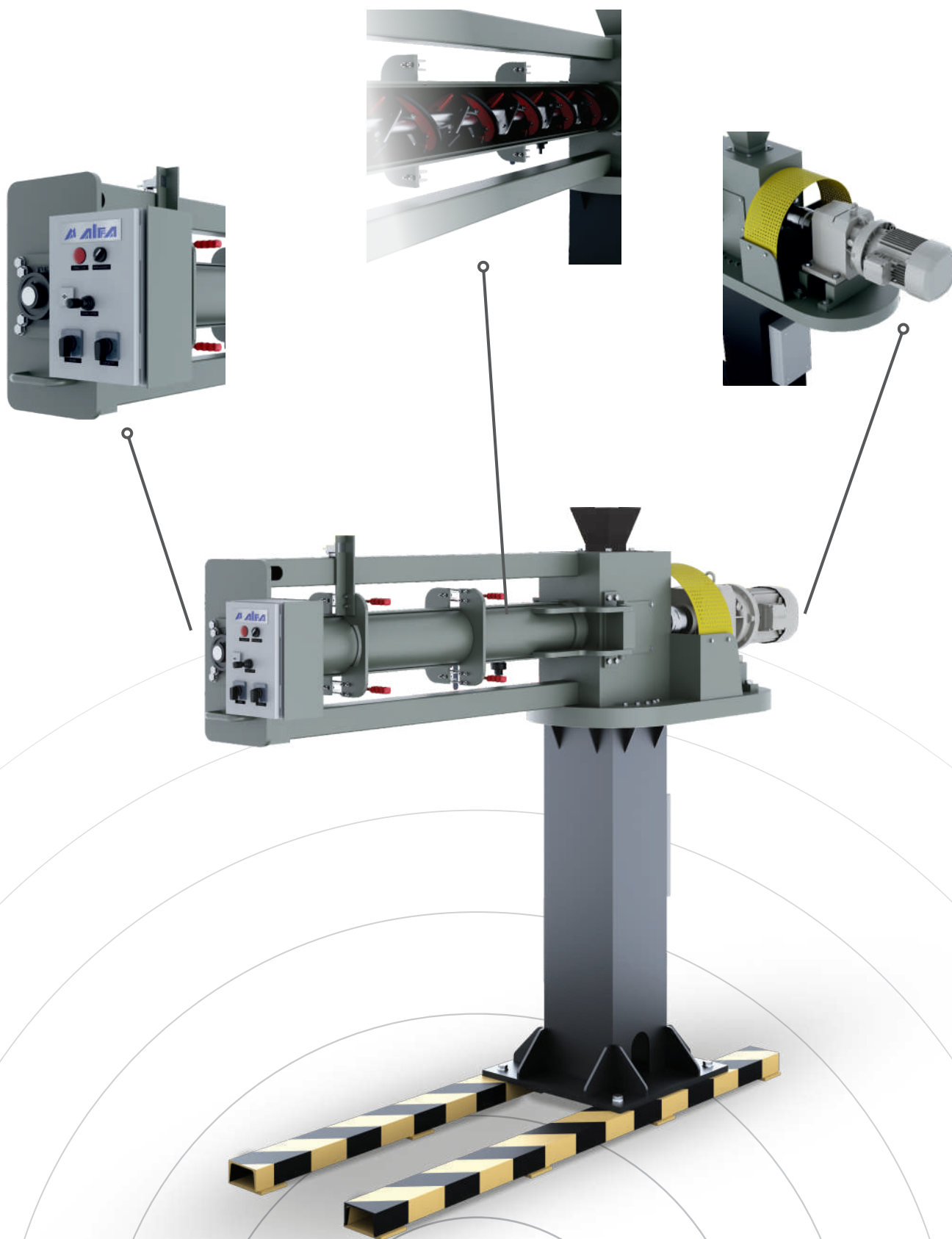


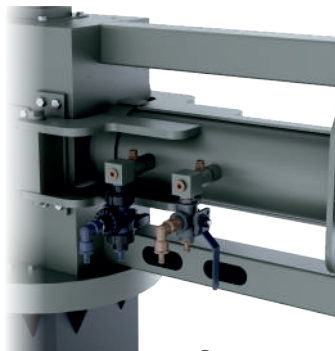
MIZRAKA

(मिश्रक) Series Continuous Mixer

Sand Casting Equipments

NO BAKE PROCESS





Features

- ✓ Hard faced wear resistance mixing blade.
- ✓ Non metallic catalyst pump for furan system.
- ✓ Perfect designed spraying system for better mixing quality.
- ✓ Easy to clean design.
- ✓ All chemical setting can be changed at operator control station.

MIZRAKA SERIES CONTINUOUS MIXER

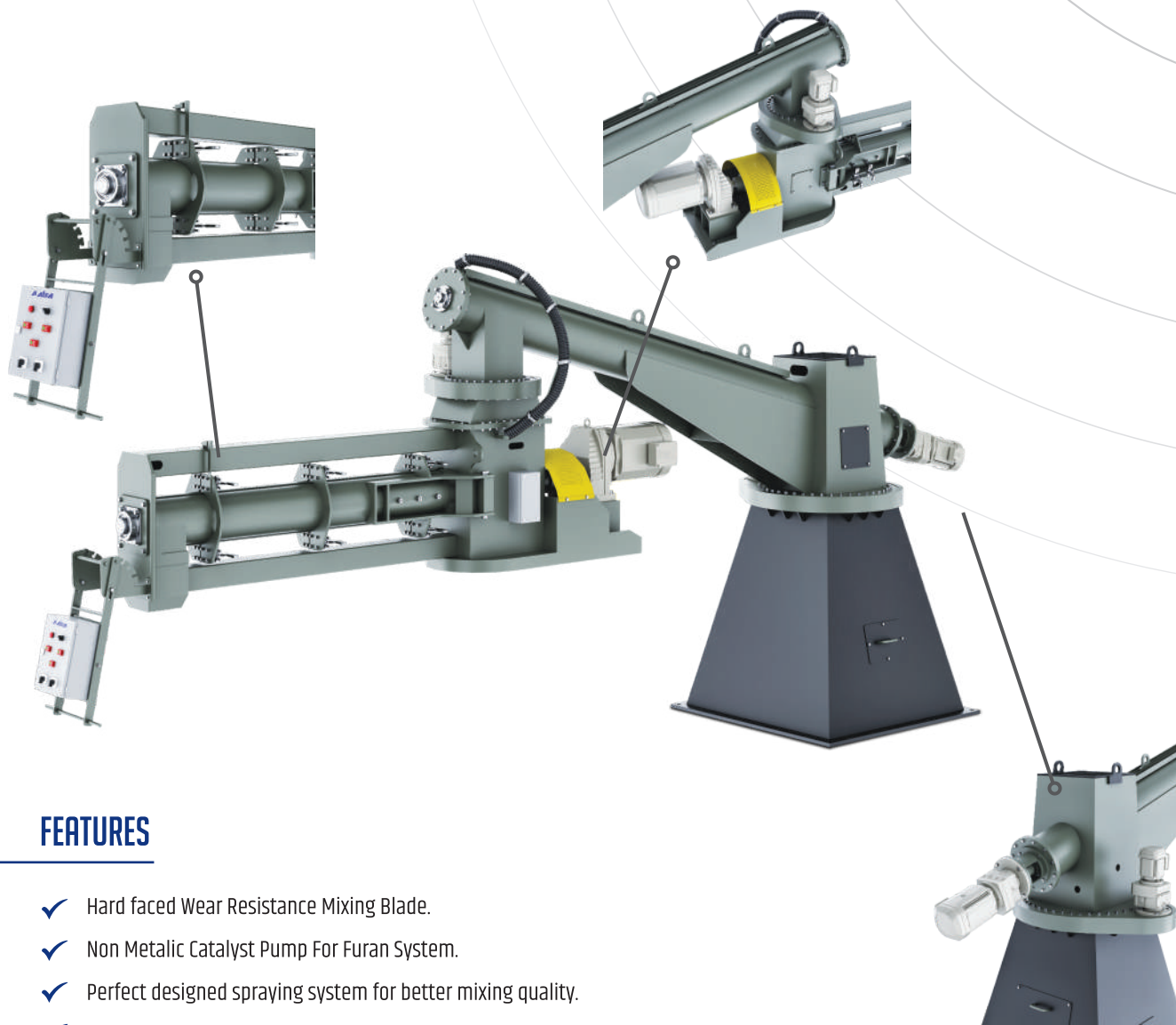
Model	Through Output	Connected Power	
		Mixing Screw	Pump Drive
MIZRAKA - 3	3 TPH	2.2 KW	0.55 KW
MIZRAKA - 6	6 TPH	4 KW	0.55 KW
MIZRAKA - 10	10 TPH	4 KW	0.55 KW
MIZRAKA - 20	20 TPH	9.3 KW	0.55 KW
MIZRAKA - 30	30 TPH	18.5 KW	0.55 KW



NO BAKE SCREW ARCTIC CONTINUOUS SAND MIXER

Mizraka - DA (मिश्रक) Series

Sand Casting Equipments
NO BAKE PROCESS



FEATURES

- ✓ Hard faced Wear Resistance Mixing Blade.
- ✓ Non Metallic Catalyst Pump For Furan System.
- ✓ Perfect designed spraying system for better mixing quality.
- ✓ Easy To Clean Design:- All Chemical Setting Can Be Changed At Operator Control Station.
- ✓ Mixer And Jib Rotation Is Motor Driven.

MIZRAKA-DA SERIES SCREW ARCTIC CONTINUOUS MIXER

		Connected Power		
Model	Through Output	Mixing Screw	Feeding Screw	PUMP DRIVE
MIZRAKA-DA-10	10 TPH	4 KW	2.2 KW	0.55 KW
MIZRAKA-DA-20	20 TPH	9.3 KW	2.2 KW	0.55 KW
MIZRAKA-DA-30	30 TPH	18.5 KW	3.7 KW	0.55 KW

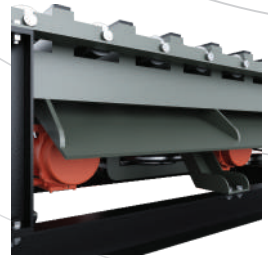
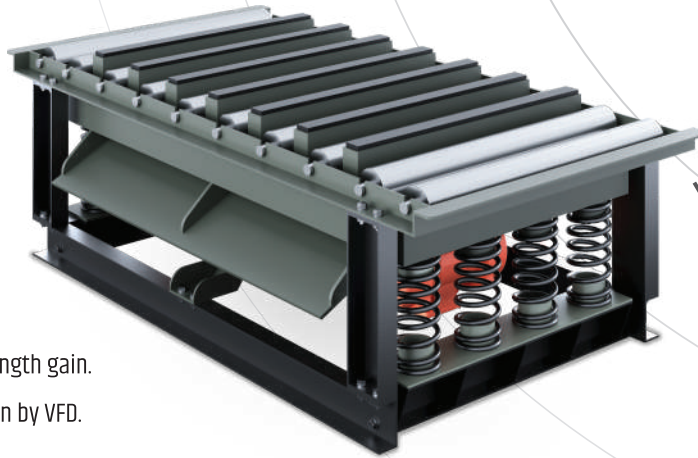


COMPACTION TABLE

Sand Casting Equipments
NO BAKE PROCESS

FEATURES

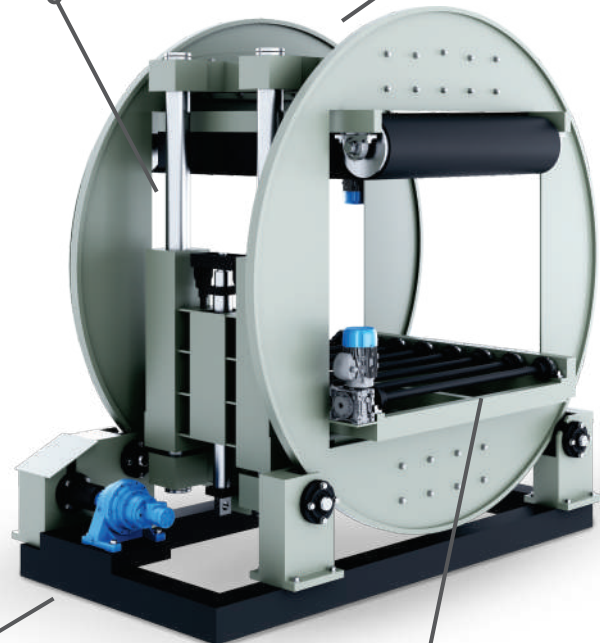
- ✓ Available in different models.
- ✓ Used for moulds mechanical strength gain.
- ✓ AFTPL provide adjustable vibration by VFD.



ROLL-OVER

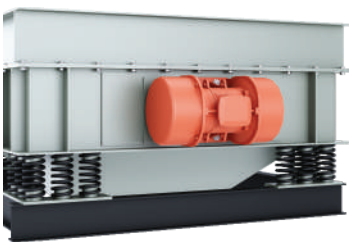
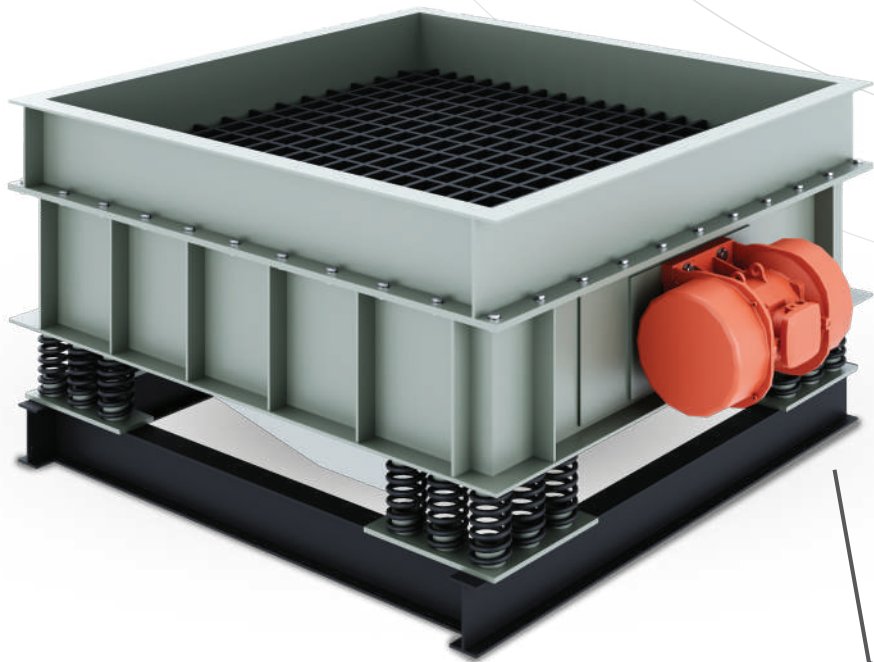
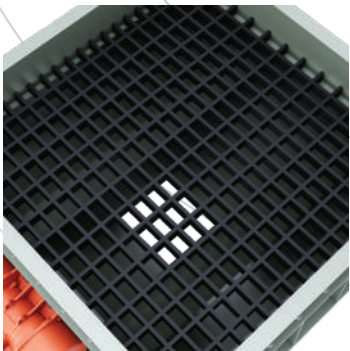
FEATURES

- ✓ AFTPL Roll over unit have advance hydraulic rotating system for smooth rotation.
- ✓ It comes with stripping vibrating facility.
- ✓ Stripping movement through single hydraulic cylinder for precise stripping.
- ✓ Robust design and perfectly material selection for industrial environment.



PRE KNOCKOUT

Sand Casting Equipments
NO BAKE PROCESS



FEATURES

- ✓ Pre-knockout used for CONVERT the mould in T0 small lumps.
- ✓ Robust design.
- ✓ Material contact area covered by wear resistance material for better life.

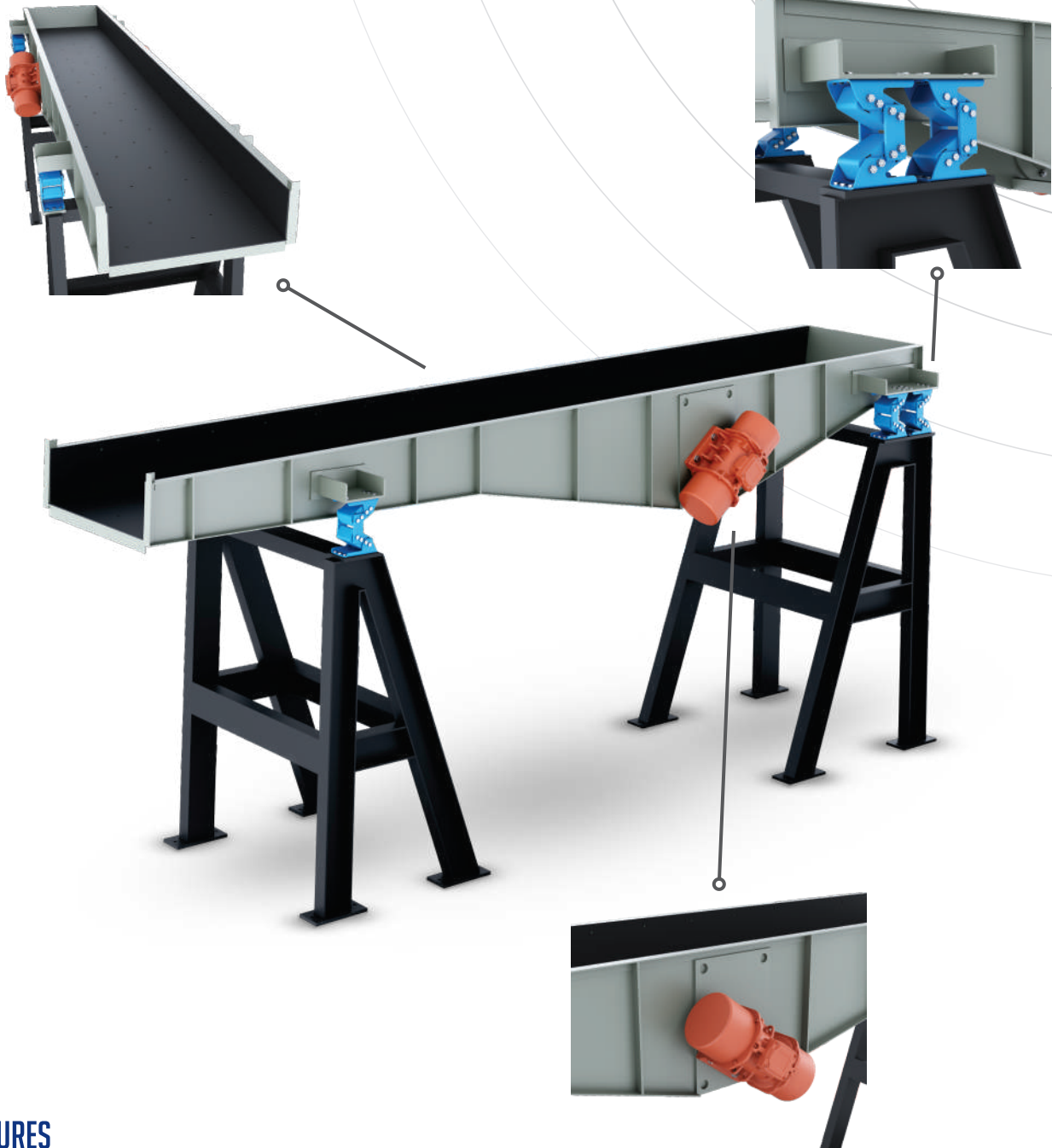
PRE KNOCKOUT SIZE

Model	Size	Connected power
APK1515	1500 X 1500 MM	2 X 2.2 KW
APK2020	2000 X 2000 MM	2 X 3.8 KW
APK2525	2500 X 2500 MM	2 X 4.3 KW
APK3030	3000 X 3000 MM	2 X 6.2 KW



VIBRO FEEDER

Sand Casting Equipments
NO BAKE PROCESS



FEATURES

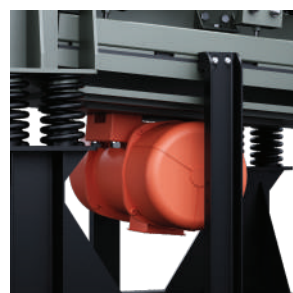
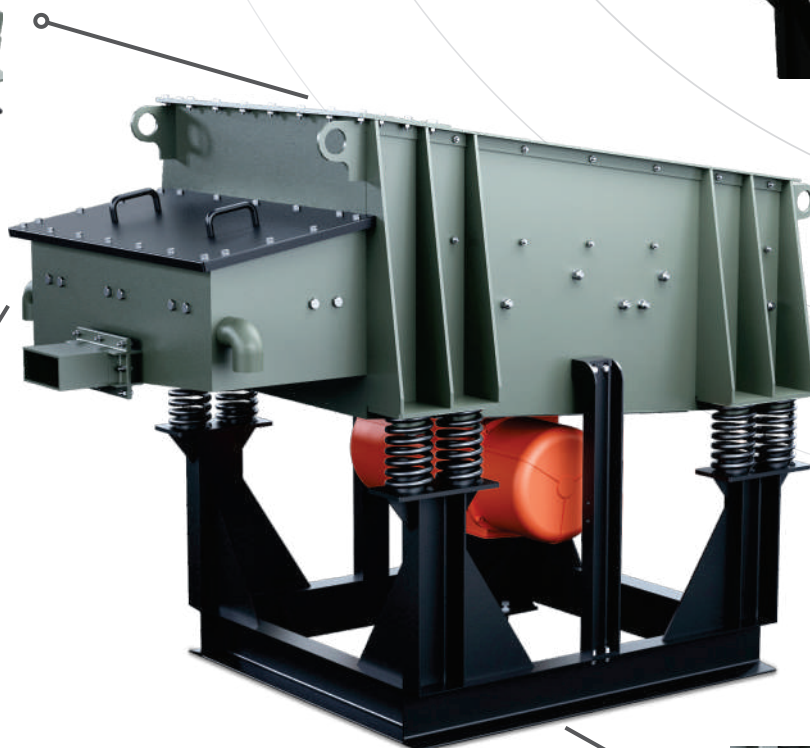
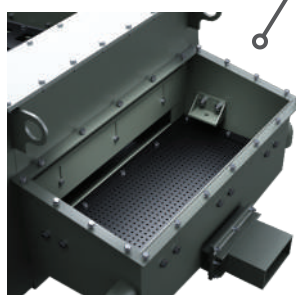
- ✓ Used for conveying lumps from Pre-Knockout to Mechanical reclamation system.
- ✓ Contact area covered by wear resistance material for better life.
- ✓ Robust design.
- ✓ It comes with different in size as per customer needs.



SAND RECLAMATION SYSTEM HIGH LEVEL KNOCKOUT

Mahat (महत) Series

Sand Casting Equipments
NO BAKE PROCESS



FEATURES

- ✓ Designed to receive lumps via conveyor loader.
- ✓ Discharge sand at an elevated height.
- ✓ SS Wedge wire screen

MAHAT SERIES HIGH LEVEL KNOCKOUT

Model	Through Output	Duck Size	Connected Power
MAHAT - 3	3 TPH	800 MM X 1000 MM	3.8 KW
MAHAT - 6	6 TPH	925 MM X 1200 MM	4.3 KW
MAHAT - 9	9 TPH	925 MM X 1200 MM	6.2 KW
MAHAT - 12	12 TPH	1150 MM X 1500 MM	8 KW
MAHAT - 15	15 TPH	1500 MM X 2000 MM	11.96 KW
MAHAT - 20	20 TPH	1500 MM X 2000 MM	11.96 KW



SAND RECLAMATION LOW LEVEL KNOCKOUT

Nyuna (न्यूना) Series

Sand Casting Equipments
NO BAKE PROCESS

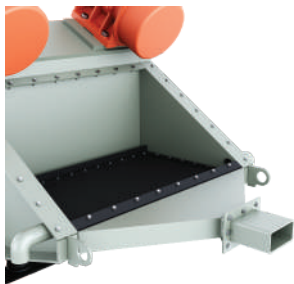


FEATURES

- ✓ Through output from 3 to 9 tph.
- ✓ Coarse screen 32% opening are for better output.
- ✓ SS wedge wire screen.
- ✓ Easily replaceable screen.

NYUNA SERIES LOW LEVEL KNOCKOUT

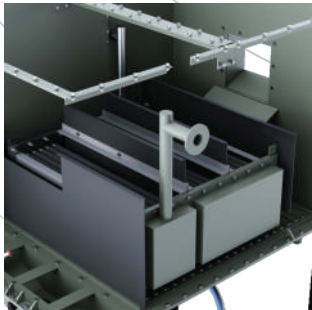
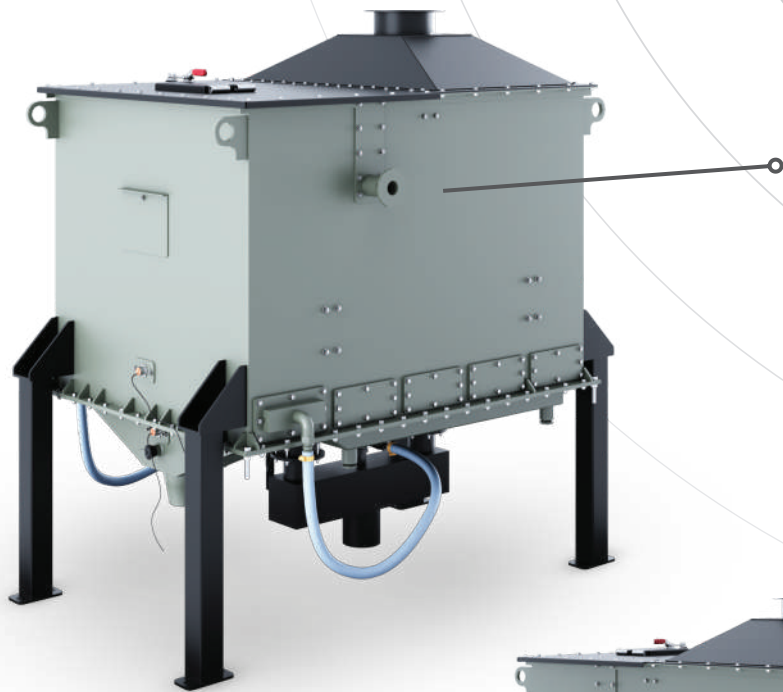
Model	Through Output	Duck Size	Connected Power
NYUNA - 3	3 TPH	1000 MM X 1100 MM	2 X 3.8 KW
NYUNA - 6	6 TPH	1200 MM X 1200 MM	2 X 4.3 KW
NYUNA - 9	9 TPH	1370 MM X 1500 MM	2 X 6.2 KW



SAND RECLAMATION SYSTEM COOLER CLASSIFIER

Zitaka (शीतक) Series

Sand Casting Equipments
NO BAKE PROCESS



FEATURES

- ✓ Inbuilt radiator for sand cooling.
- ✓ Radiator With Copper Tube And Copper Fins
- ✓ Outlet sand temperature is ambient +7°c.
- ✓ Blower for fluidization and dust removing.



ZITAKA SERIES COOLER CLASSIFIER

Model	Through Output	CONNECTED POWER	WATER
ZITAKA - 3	3 TPH	7.5 KW	364 LPM
ZITAKA - 6	6 TPH	15 KW	568 LPM
ZITAKA - 9	9 TPH	22 KW	682 LPM
ZITAKA - 12	12 TPH	37 KW	796 LPM
ZITAKA - 15	15 TPH	2 X 22 KW	955 LPM
ZITAKA - 20	20 TPH	2 X 30 KW	1320 LPM



PNEUMATIC SAND CONVEYING SYSTEM

Vahak (वाहक) Series

Sand Casting Equipments
NO BAKE PROCESS



FEATURES

- ✓ Fully automatic sand conveying system.
- ✓ Low conveying pressure.

VAHAK SERIES PNEUMATIC SAND CONVEYING SYSTEM

Model	Through Output	LINE SIZE
VAHAK - 3	3 TPH	80 MM 3"
VAHAK - 6	6 TPH	100 MM 4"
VAHAK - 9	9 TPH	125 MM 5"
VAHAK - 12	12TPH	150 MM 6"
VAHAK - 15	15TPH	150 MM 6"
VAHAK - 20	20TPH	150 MM 6"



INTENSIVE MIXER

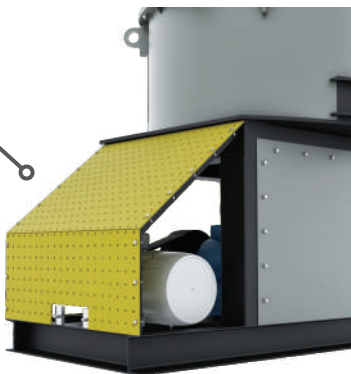
Mizraka (मिश्रक) Series

Sand Casting Equipments
GREEN SAND PROCESS



FEATURES

- ✓ Scraper Blade With Carbide Tips.
- ✓ Bottom & Side Wall Covered By SS Linear
- ✓ High Output RPM For Better Mixing.



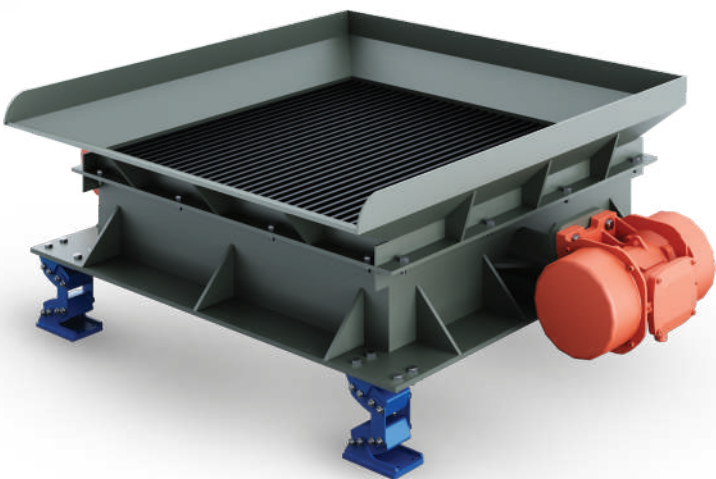
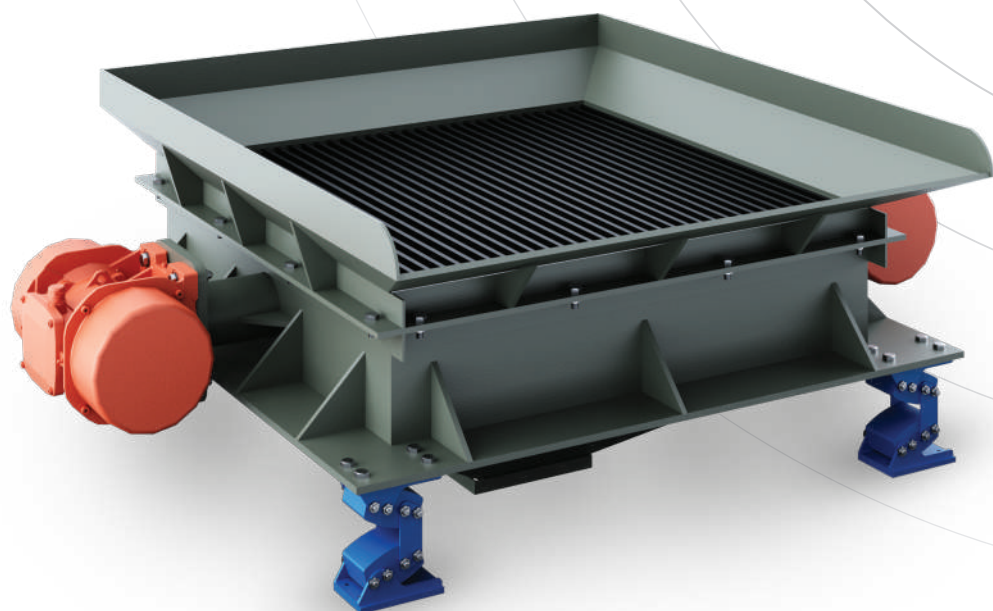
MIRZAKA SERIES INTENSIVE MIXER

Model	BATCH CAPACITY	BATCH TIME	CONNECTED POWER
MIZRAKA - 250	250 KG	120 SEC	27.5 KW
MIZRAKA - 500	500 KG	120 SEC	56 KW



GREEN SAND SHAKEOUT

Sand Casting Equipments
GREEN SAND PROCESS



FEATURES

- ✓ Electric vibrator
- ✓ Oscillating mounting.
- ✓ Size & capacity as per customer requirement.

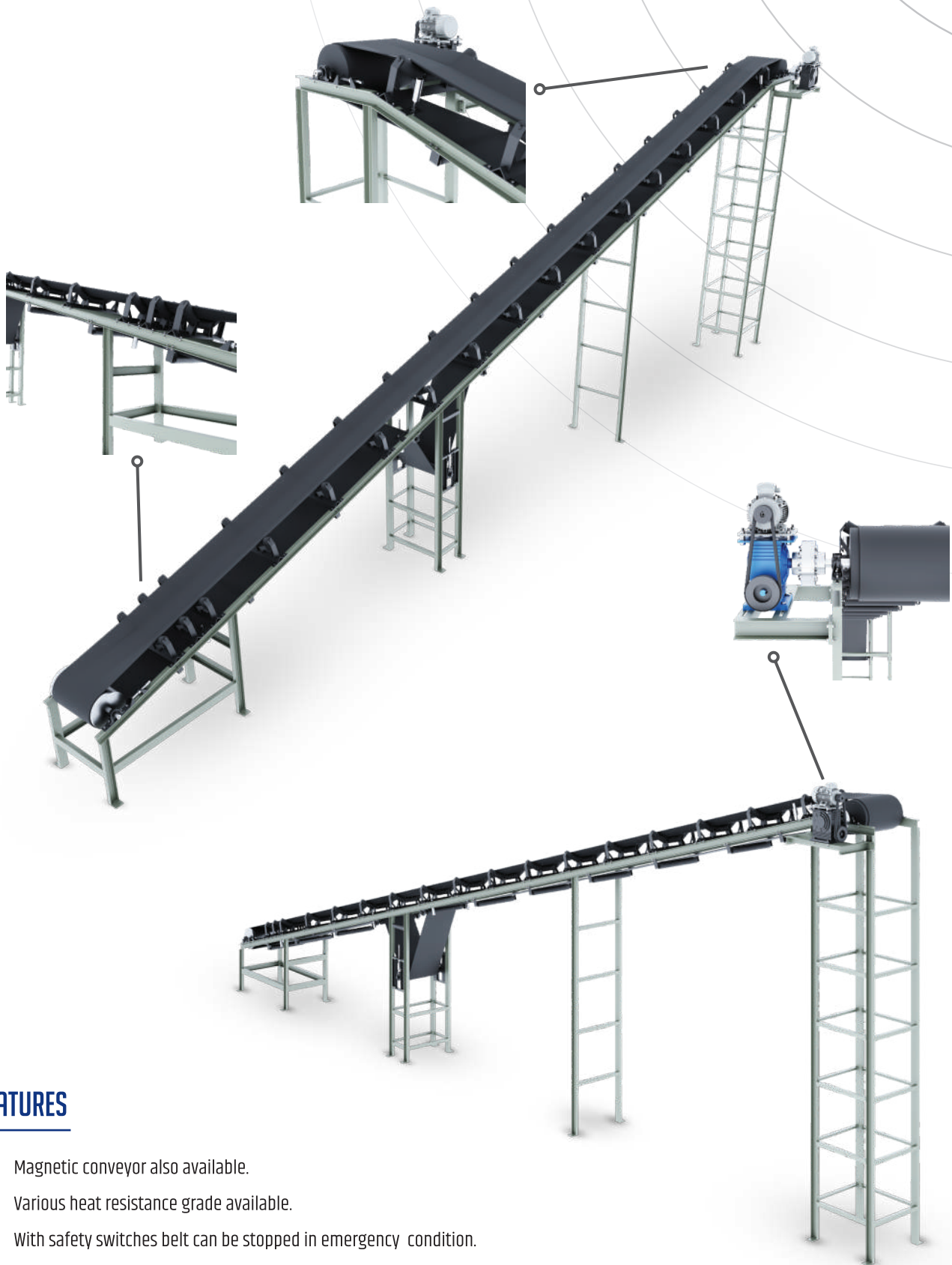
SHAKEOUT

Model	Duck Size	Connected Power
AGSS11	1000MM X 1000MM	2 X 1.1 KW
AGSS12	1200MM X 1200MM	2 X 1.1 KW
AGSS14	1400MM X 1400MM	2 X 1.6 KW



BELT CONVEYOR

Sand Casting Equipments
GREEN SAND PROCESS



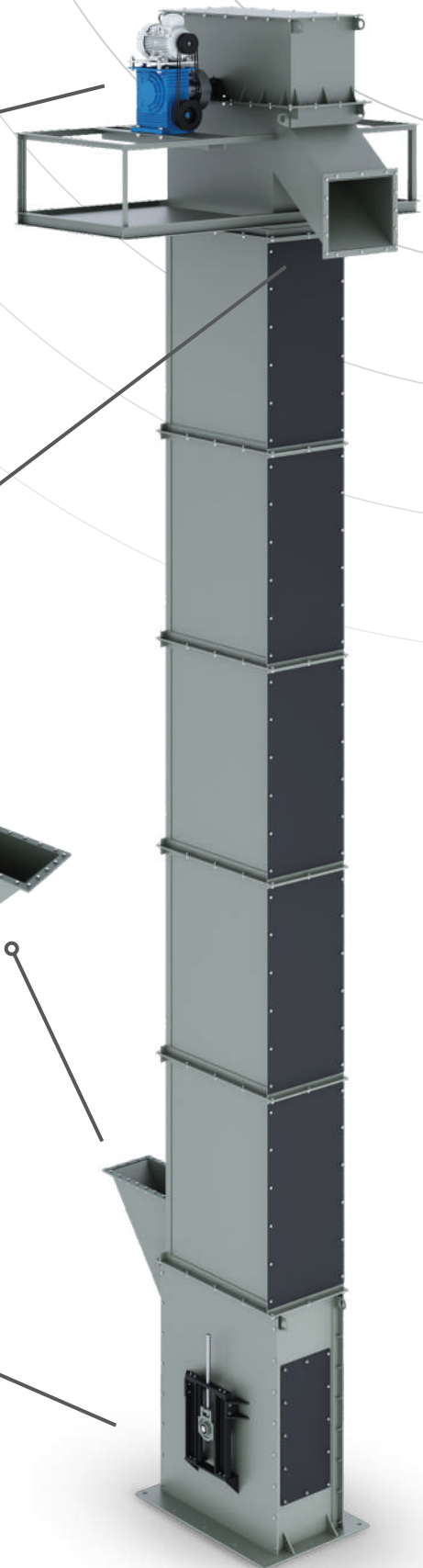
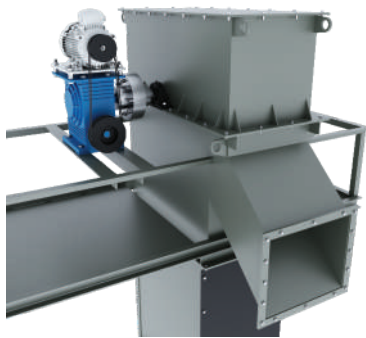
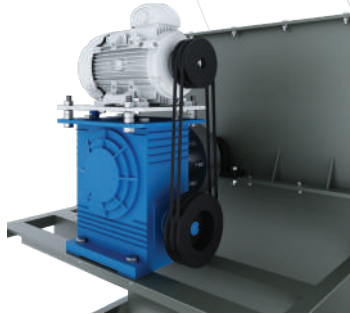
FEATURES

- ✓ Magnetic conveyor also available.
- ✓ Various heat resistance grade available.
- ✓ With safety switches belt can be stopped in emergency condition.
- ✓ Heavy and robust design.
- ✓ Size and capacity as per customer requirements.



BUCKET ELEVATOR

Sand Casting Equipments
GREEN SAND PROCESS



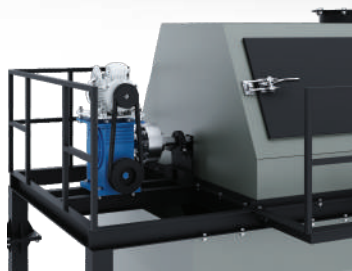
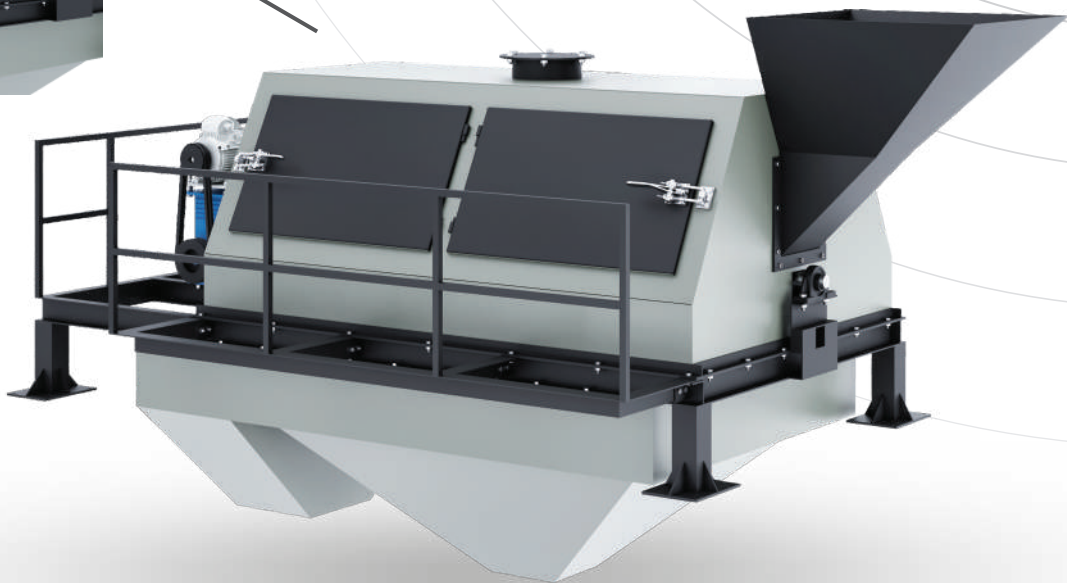
FEATURES

- ✓ Various heat resistance grade available .
- ✓ They are compact hence they use less ground space.
- ✓ Easy to install design.
- ✓ Heavy and robust design.
- ✓ Size and capacity as per customer requirements.
- ✓ SS 304 Liner in bottom unit



POLYGONAL SAND SIEVER

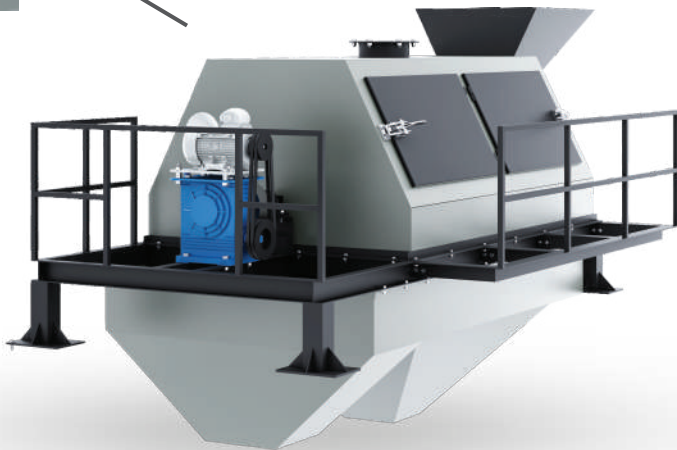
Sand Casting Equipments
GREEN SAND PROCESS



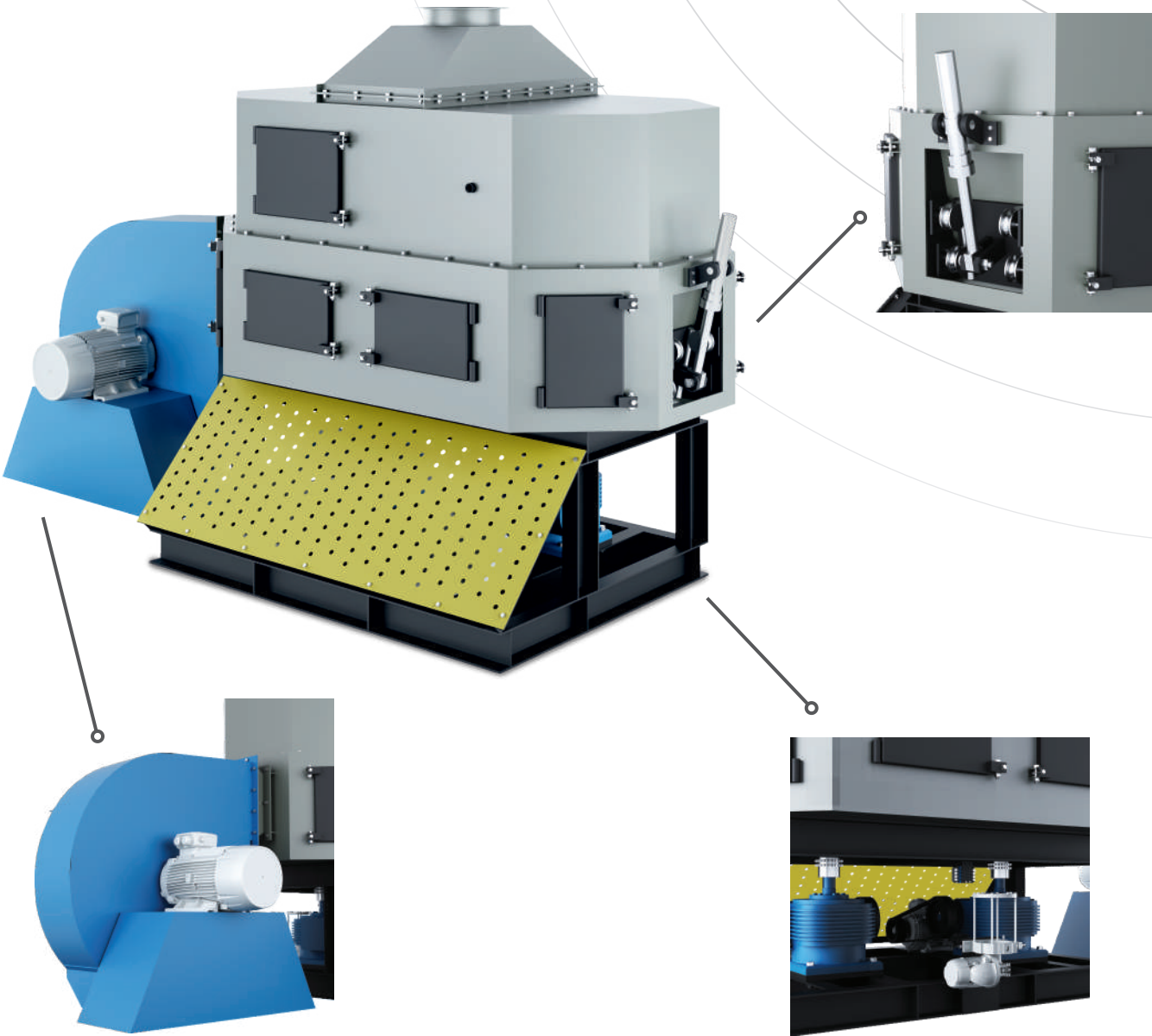
FEATURES

- ✓ Hexagonal Type For Better Performance
- ✓ Dust Extraction Point
- ✓ SS 304 inside liner

Model	Capacity	Power
APSS 1015	10-15 TPH	3.7 KW
APSS 2030	20-30 TPH	7.5 KW



GREEN SAND PROCESS SUPER COOLER



FEATURES

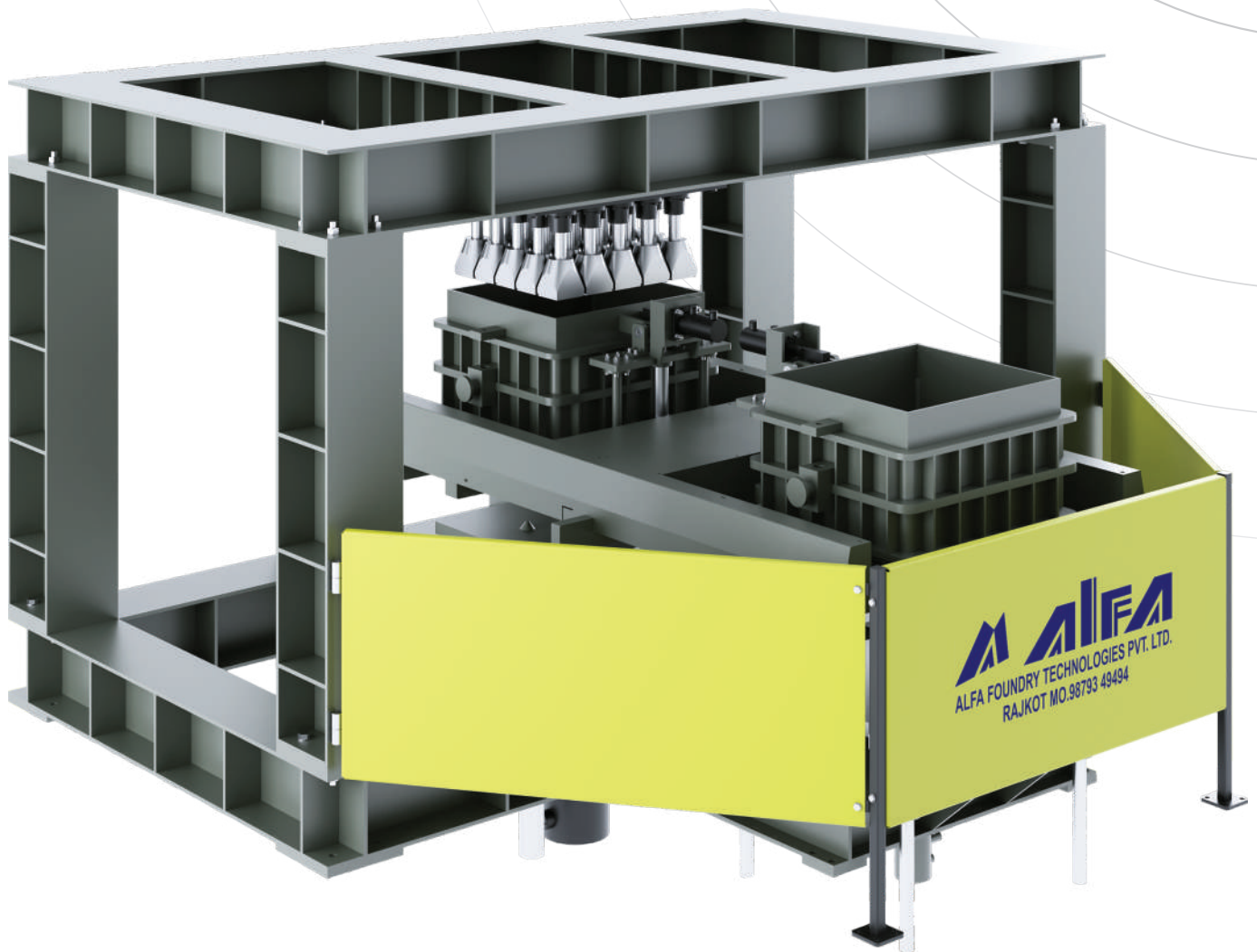
- ✓ Cooler Chamber Covered By Wear Resistance Material For Better Life.
- ✓ Require Output Temperature Achieve Through Air And Water.
- ✓ High Efficiency In Cooling.
- ✓ Consistency In Sand Temperature And Moisture.
- ✓ Robust In Design.

Model	Capacity	Power
ASC 1015	10-15 TPH	26 KW
ASC 2030	20-30 TPH	41 KW



GREEN SAND PROCESS MOULDING MACHINE

Sand Casting Equipments
GREEN SAND PROCESS



FEATURES

- ✓ Fully Hydraulic System
- ✓ Mould Height Adjustable
- ✓ Air Less Process - No Compressed Air Require
- ✓ Universal Mould Hardness
- ✓ Squeeze Pressure 6-10 Kg/cm²
- ✓ Better Casting Surface Finish
- ✓ Multipiston Ensures Deep Cavity And Self Core Hard Mould

Model	Box Size	Connected Power	MOULD BOX HEIGHT
AMM5560	550MM X 600MM	13 KW	100MM TO 250MM
AMM6570	650MM X 700MM	13 KW	150MM TO 300MM
AMM7580	750MM X 800MM	16 KW	200MM TO 400MM



UP AND DOWN SHOOTING MACHINE

Horizontal Type High Pressure Molding Machine



		Specifications		
Model	Sand Mold Size	Up Box Height	Below Box Height	Modelling Speed(s/Mold)
SX1A4555	450*550	150 ~ 300	150 ~ 200	28 ~ 36
SX1A5555	550*550	150 ~ 300	150 ~ 200	28 ~ 36
SX1A5565	520*650	150 ~ 300	150 ~ 250	28 ~ 36
SX1A6565	650*650	150 ~ 300	150 ~ 250	28 ~ 36
SX1A6070	600*700	150 ~ 300	150 ~ 250	36 ~ 39
SX1A6575	650*750	150 ~ 300	150 ~ 250	36 ~ 39
SX1A7575	750*750	200 ~ 300	200 ~ 250	39 ~ 49
SX1A7585	750*850	200 ~ 300	200 ~ 250	39 ~ 49
SX1A8585	850*850	200 ~ 300	200 ~ 250	39 ~ 49
SX1A80100	80*100	200 ~ 300	200 ~ 250	45 ~ 59
SX1A80110	80*100	200 ~ 300	200 ~ 250	45 ~ 59
SX1A100100	1000*1000	200 ~ 300	200 ~ 250	55 ~ 69
SX1A110110	1100*1100	200 ~ 300	200 ~ 250	55 ~ 69



SIDE SHOOTING MACHINE

Horizontal Type High Pressure Molding Machine



		Specifications			
Model	Sand Mold Size	Up Box Height	Below Box Height	Modelling Speed(s/Mold)	Drive Way
SC1A2838	280*380	80 ~ 130	80 ~ 130	26 ~ 30	Gasdynamic
SC1A305405	305*405	80 ~ 130	80 ~ 130	26 ~ 30	Gasdynamic
SC1A4555	450*550	120 ~ 250	120 ~ 150	28 ~ 32	Gasdynamic
SC1A5555	550*550	120 ~ 250	120 ~ 150	28 ~ 32	Gasdynamic
SC1A5565	550*650	120 ~ 250	120 ~ 200	32 ~ 36	Hydraulic
SC1A6565	650*650	120 ~ 250	120 ~ 200	32 ~ 36	Hydraulic
SC1A6171	610*710	120 ~ 250	120 ~ 200	32 ~ 36	Hydraulic
SC1A6575	650*750	120 ~ 250	120 ~ 200	34 ~ 38	Hydraulic
SC1A7070	700*700	120 ~ 250	120 ~ 150	34 ~ 38	Hydraulic
SC1A7575	750*750	120 ~ 250	120 ~ 200	40 ~ 40	Hydraulic
SC1A7585	750*850	120 ~ 250	120 ~ 200	40 ~ 40	Hydraulic
SC1A8585	850*850	120 ~ 250	120 ~ 200	50 ~ 55	Hydraulic
SC1A80100	800*1000	200 ~ 300	150 ~ 250	50 ~ 55	Hydraulic
SC1A80110	800*1100	200 ~ 300	150 ~ 250	50 ~ 55	Hydraulic
SC1A100100	1000*1000	200 ~ 300	150 ~ 250	55 ~ 60	Hydraulic
SC1A110130	1100*1300	200 ~ 300	150 ~ 250	55 ~ 60	Hydraulic



DOUBLE STATION MACHINE

Horizontal Type High Pressure Molding Machine



	Specifications			
Model	Sand Mold Size	Up Box Height	Below Box Height	Modelling Speed(s/Mold)
SX2A5555	550*550	150 ~ 300	150 ~ 200	18 ~ 26
SX2A5565	550*650	150 ~ 300	150 ~ 250	18 ~ 26
SX2A6565	650*650	150 ~ 300	150 ~ 250	18 ~ 26
SX2A6070	600*700	150 ~ 300	150 ~ 250	18 ~ 26
SX2A6575	650*750	150 ~ 300	150 ~ 250	18 ~ 26
SX2A7575	750*750	200 ~ 300	200 ~ 250	20 ~ 28
SX2A7585	750*850	200 ~ 300	200 ~ 250	20 ~ 28
SX2A8585	850*850	200 ~ 300	200 ~ 250	20 ~ 28





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