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**SERVING FOUNDRY
INDUSTRY
SINCE 1983**

**TRUSTED PARTNERS
FOR SUSTAINABLE DEVELOPMENT**

**TURNKEY PROJECTS | GREEN SAND MOULDING |
SAND RECLAMATION | SILICA PLASTIC BLOCK ...AND MORE**



MULTIFLEX FM

HIGH PRESSURE MOULDING MACHINE
A FRENCH - INDIAN COLLABORATION
SINCE 2009

.....WE ARE READY



EMPOWERING MSME'S WITH MOULDING TECHNOLOGY

Most of the small and medium foundries are using pair of jolt squeeze machines to produce a complete mould with lower compaction pressure and low mould dimensional stability having more manpower and sand distribution system

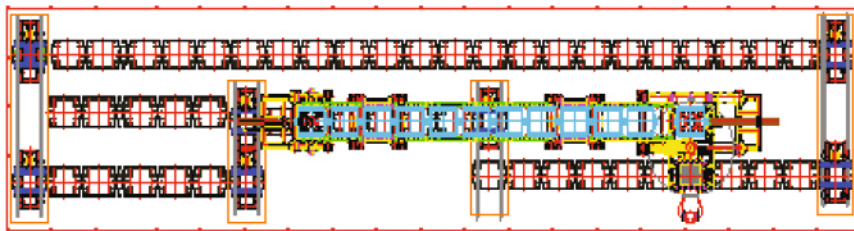
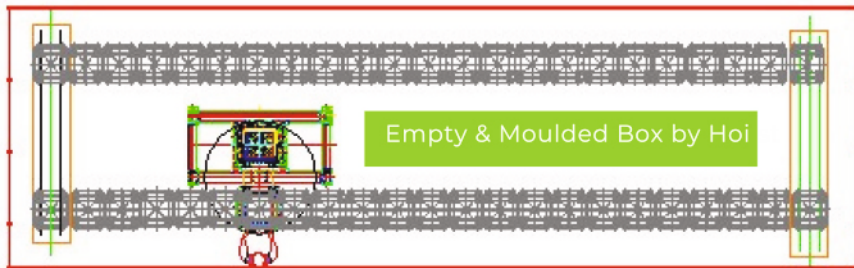
MULTIFLEX FM

80 +
INSTALLATIONS
DEC 2024

TYPICAL INSTALLATION LAYOUTS.

UPGRADE FROM SIMPLEST TO FULLY AUTOMATIC

Typical layout transition from Simple FM-M to FM-A - in phase wise, modular approach.
Same machine multiple possibilities.



Rhino supports the Sustainable Development Goals

8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



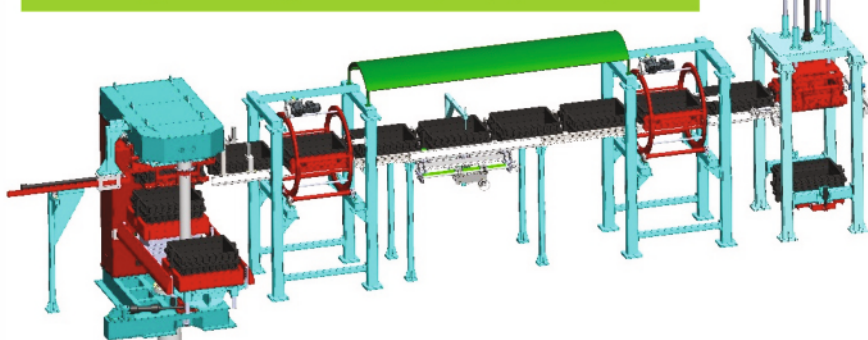
13 CLIMATE ACTION



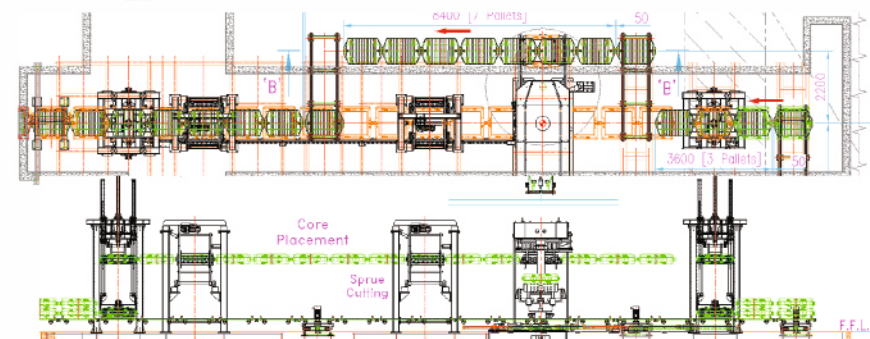
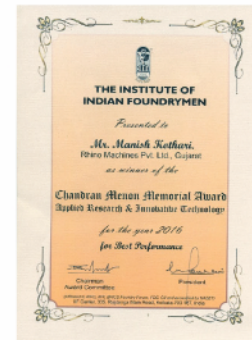
17 PARTNERSHIPS FOR THE GOALS



Moulding to Closing Automatic, Empty Box by Hoist



Recognitions Received



Fully Automatic Moulding Line

		HSQ-1**	HSQ-2**	FM-1	FM-12	FM-2	FM-23	FM-3
Box Size (Inside) in mm	Min	Ø 250	Ø 350	400 x 400	650 x 550	800x700	950 x 950	1150 x 1150
	Max	Ø 325	Ø 450	600 x 600	750 x 650	900 x 900	1100 x 1100	1300 x 1100
Box Height Range in mm		25 - 50	30 - 75	75 - 250	150 - 300	150 - 300	200 - 450	200 - 450
Self Strip Height in mm		30% - 50% of Box Height						
Moulding Rate Moulds / Hr		60 - 150	60 - 150	60 - 80	50 - 70	30 - 60	25 - 50	10 - 25
Specific Squeeze Pressure		6-12 kg / cm2 Adjustable						
Electrical Connected Load in KW		3.7 - 5.5	5.5 - 7.5	5.5 - 11	11-30	15-37	18.2-45	22-55
Squeeze Head		Plain			Hydraulic Plain / Multi-piston (100 - 150 cm2 / piston)			

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150 +
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ECOFLEX SAND HANDLING

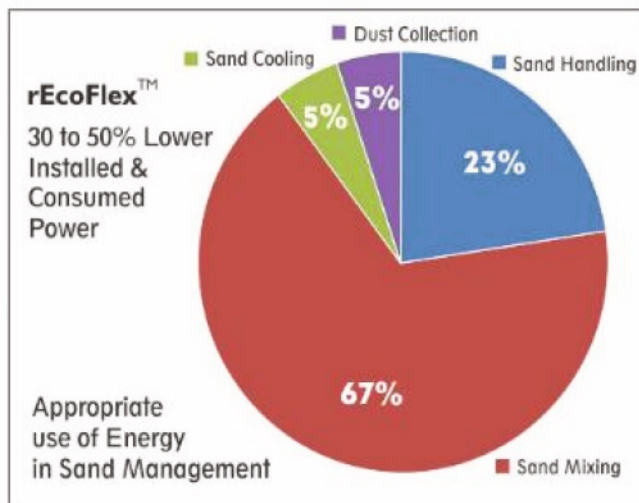
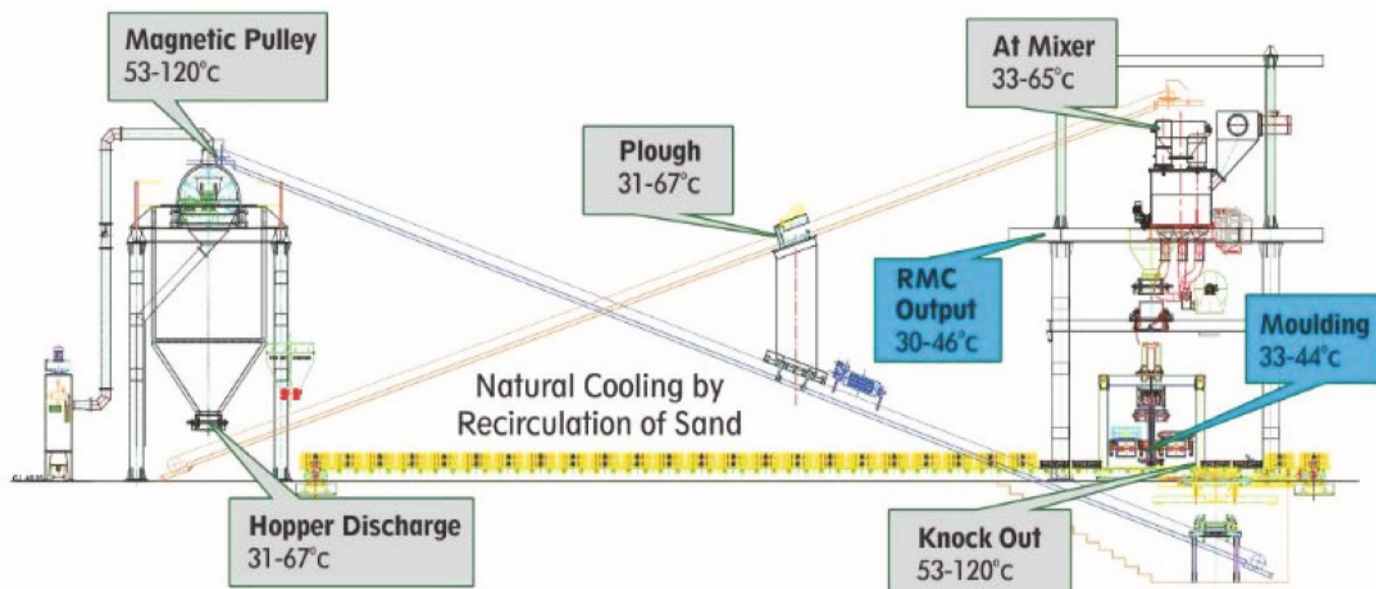
COMPACT - ENERGY EFFICIENT - CLEAN



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Plant Dimension	FM-1	FM-12	FM-2	FM-23	FM-3
L x W x Ht (Mtr)	30 x 8 x 10	32 x 8 x 10	36 x 9 x 11	38 x 9 x 11	40 x 10 x 12
Plant Order to Production : 101 days to 151 Days					

Natural Cooling, Easy Maintenance, Lowest Plant Height, Modular and Expandable. An Indian Innovation.



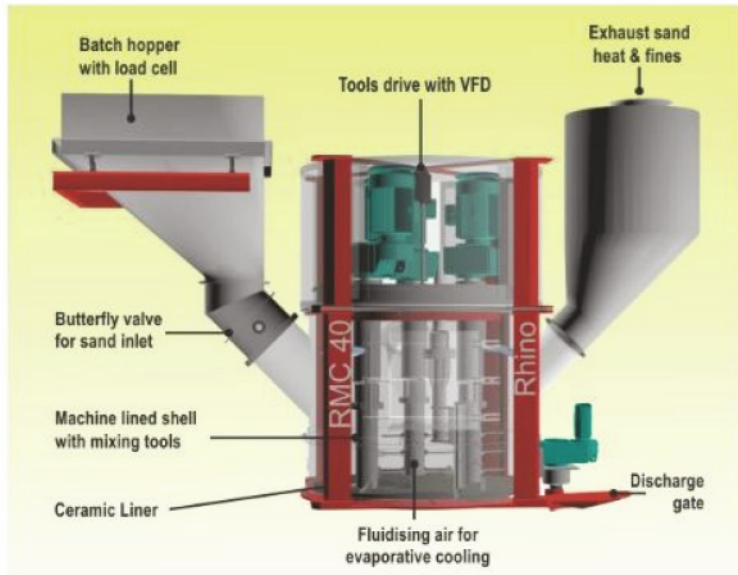
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ROTOMAX MIXER COOLER

90 +
INSTALLATIONS
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ENERGY EFFICIENT - A FRENCH INNOVATION



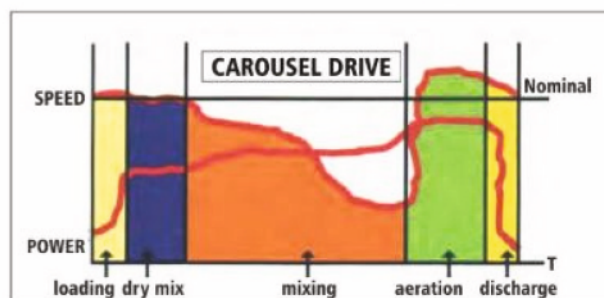
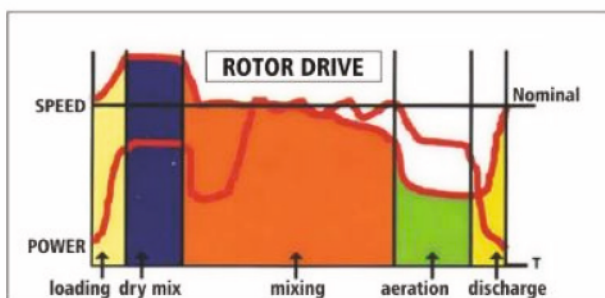
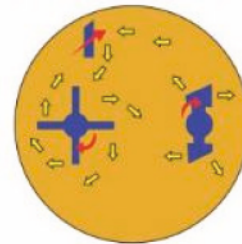
- Planetary mixer - with high mixing efficiency
- Energy efficient ~ 1.8 kwh/mt of sand produced
- Aerated & fluffy sand for direct use in moulding
- VFDs for energy and speed control
- Easy access for maintenance
- Delivers sand for high pressure moulding up to 2500 gms / cm²
- No rise in temperature with longer mixing

TECHNICAL DATA

MODEL	BATCH CAPACITY	RTM/RMC OUTPUT	NO. OF	ROTOR	CAROUSEL	FLUIDISING	SUCTION BLOWER	TANK HT	TANK
	kgs	(T/h)	Tools	(KW)	(KW)	(KW)	(KW)	mm	mm
RTM 500 / RMC 10	500	14/10	2	30	11	5.5	7.5	1400	1400
RTM 750 / RMC 15	750	18/15	2	37	15	7.5	9	1525	1600
RTM 1000 / RMC 20	1000	25/20	2	55	18.5	11	15	1650	1600
RTM 1500 / RMC 30	1500	37/30	3	90	22	15	18.5	1700	2000
RTM 2000 / RMC 40	2000	50/40	3	110	22	18.5	22	1750	2000
RTM 2500 / RMC 50	2500	62/50	3	160	30	22	30	1875	2400
RTM 3000 / RMC 60	3000	75/60	3	200	37	30	37	2040	2400
RTM 4000 / RMC 80	4000	100/75	4	250	45	37	45	2055	2800
RTM 5000 / RMC 100	5000	125/100	4	315	55	45	55	2280	3100
RTM 6000 / RMC 120	6000	150/120	4	400	75	55	75	2320	3300
RTM 7000 / RMC 150	7000	180/150	4	500	75	75	100	2320	3300

ONE STOP SOLUTION
Mixing, Cooling & Conditioning

Sand Movement



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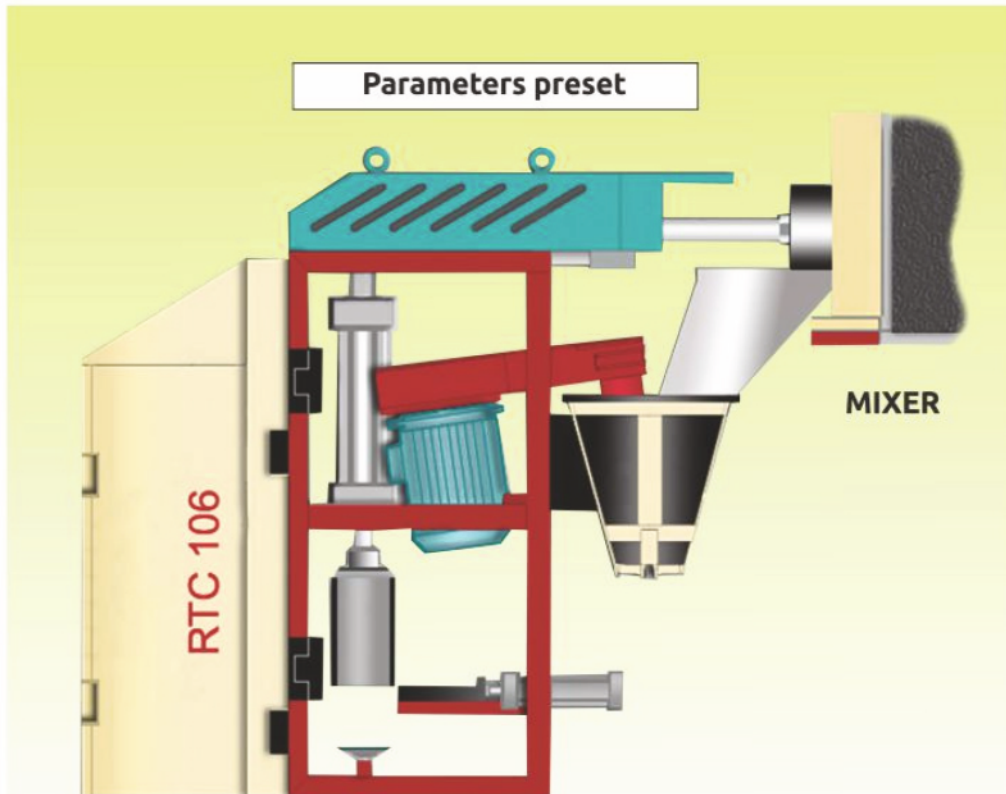
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for Dore
France

1000 +
INSTALLATIONS
DEC 2024

ROTOCONTROL RTC 103 / 106

ONLINE SAND CONTROLLER - A FRENCH INNOVATION
IN INDIA SINCE 1999



Controls Online

- Compactibility

Manages Online

- Green compression strength

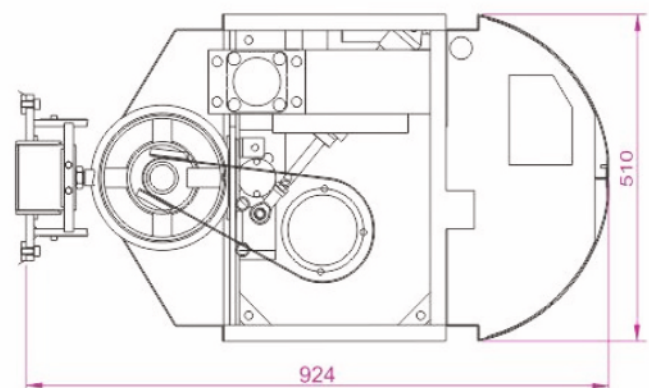
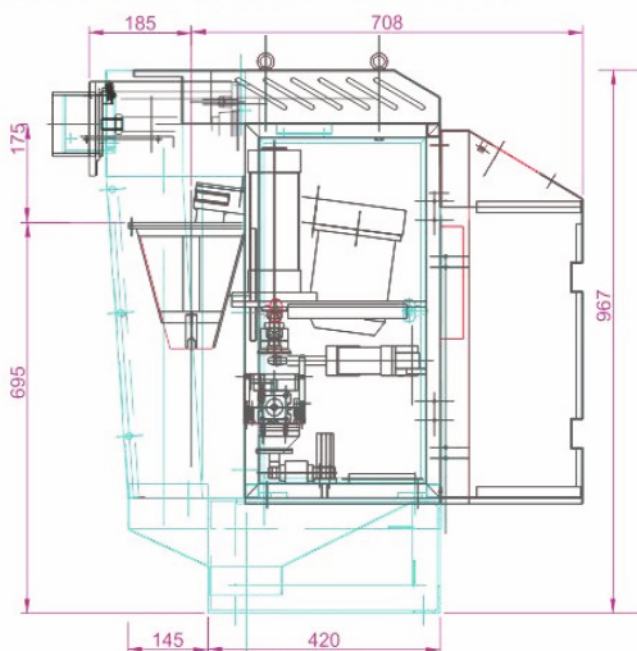
Monitors

- Sand production data
- Shiftwise performance
- Additives consumption

Supported by

- Indian engineers
- Remote online support 24x7
- Statistical and performance analysis

OVERALL DIMENSIONS



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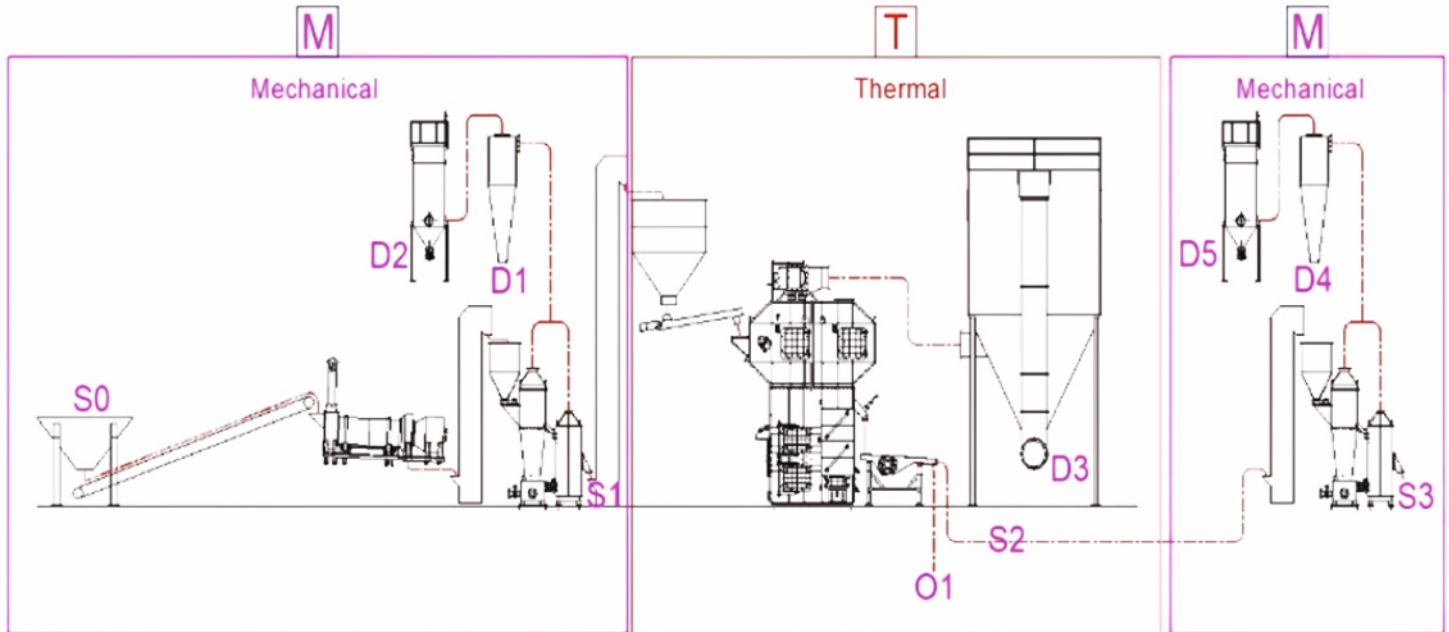
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France

GREEN SAND RECLAMATION

8 +
INSTALLATIONS
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MODULAR, MANAGEABLE, AFFORDABLE, INTEGRATED



From Black Sand to ADV <3
for Core Production



Cores produced from 100%
Reclaimed Sand with 0.65%
binder in Cold Box Process



Rhino supports the
Sustainable Development Goals



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10 +
INSTALLATIONS
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SILICA PLASTIC BLOCK

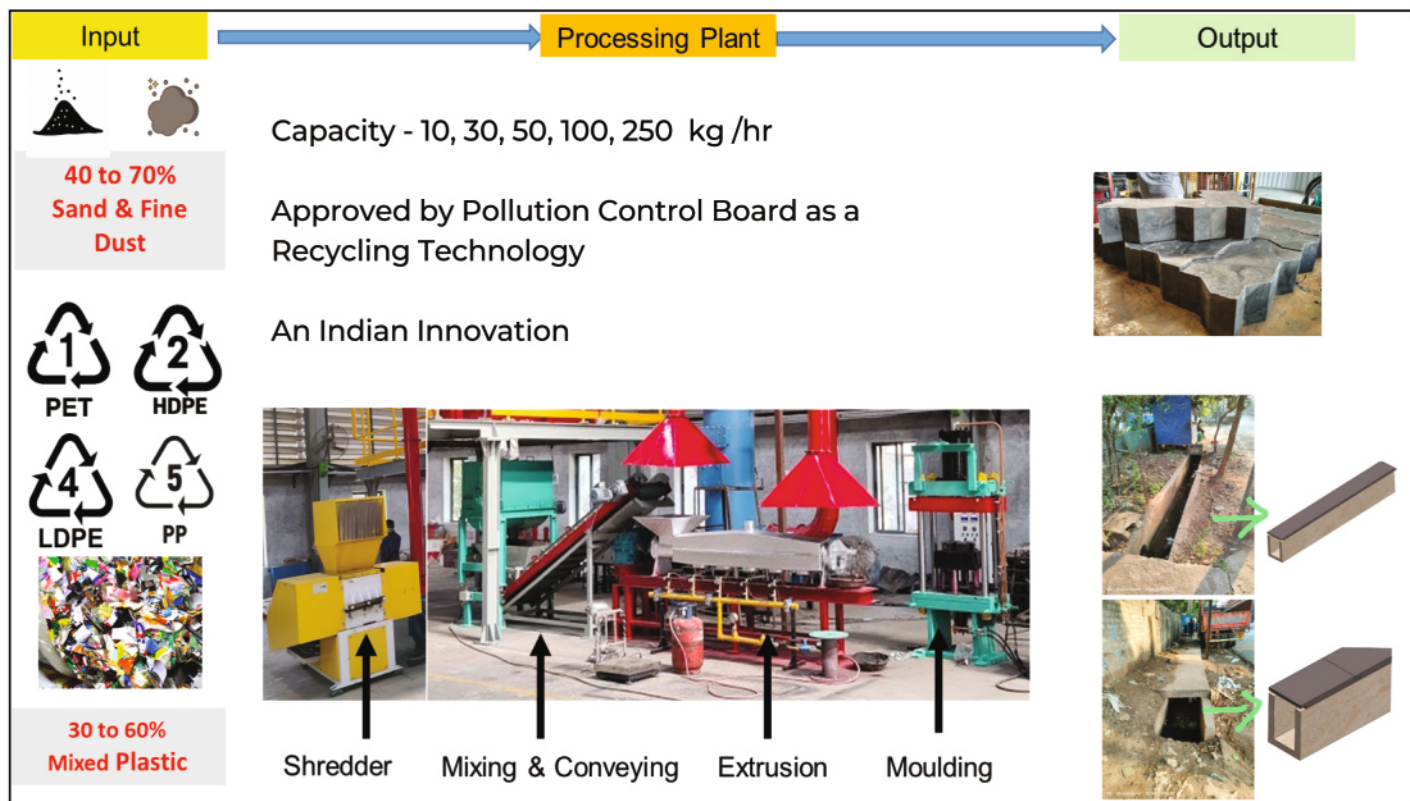
TRANSFORMING WASTE INTO VALUE



Rhino supports the
Sustainable Development
Goals



AN INDIAN INNOVATION - GLOBALLY RELEVANT



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