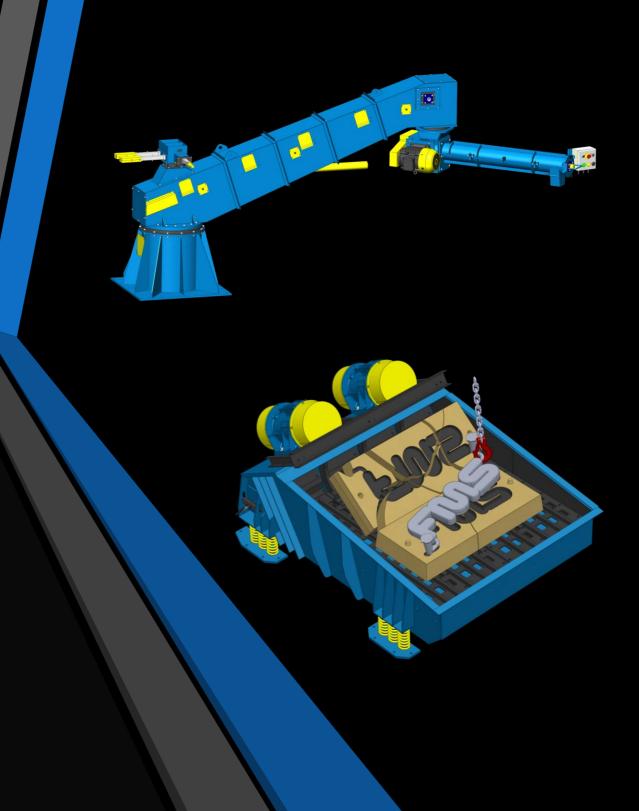


Product Catalogue





Introduction

FMS have been serving the Foundry Industry for 20 years (established in 1999). However, add another 19 years of intellectual property knowledge and expertise, thanks to the owner's family involvement in companies like Integrated Sand Systems and Award Manufacturing.

We now operate from our combined large industrial units, where we carry out all our own in house design, manufacture, assembly and pre-delivery inspections, for new and existing customers.

FMS's representation is on a global scale with an export portfolio exceeding 50 countries, supported by our large product range which specializes in the field of no bake foundry equipment, which is also part of our continued research and development programme.

To compliment the FMS product range we are the exclusive partners and distributors of the Transtek Foundry Equipment range, which includes the patent pending 'Rapid' Vertical Moulding Line and ancillary items of equipment.



SAND MIXERS	MOULD HANDLING	SAND RECLAMATION
SINGLE ARM MIXERS	COMPACTION TABLES	MINI RECLAMATION 'COMPACT'
'TS'	GRAVITY ROLLER TRACK	LOW LEVEL RECLAMATION 'VD'
SCREW ARTICULATED MIXERS	CAROUSEL SYSTEMS	HIGH LEVEL RECLAMATION 'ED'
'TA_SC'	HORIZONTAL MOULDING LOOP	HEAVY DUTY RECLAMATION 'BD'
BELT ARTICULATED MIXERS	'FAST LOOP'	SHAKEOUT DECKS
'TA_BC'	VERTICAL MOULDING LOOP	
PORTABLE MIXERS	'RAPID'	SAND CLASSIFING & SAND COOLING
MOBILE MIXERS	SHUTTLE MOULDING LOOP	
DOUBLE TROUGH MIXERS	'SHUTTLE'	
TRIPLE ARM MIXERS	AUTOMATIC ROLLOVER/STRIP	SAND CONVEYING 'DENSE PHASE'
VARIABLE HEIGHT MIXERS	'STRIPMASTER'	SAND STORAGE – SAND SILOS
	FLOOD COATING 'FLOW-TO-COAT'	
MIXER CONTROLS	AUTOMATIC COATING STATIONS 'ROLL-TO-COAT'	SECONDARY ATTRITION 'SAND SCRUB'
BASIC CONTROLS 'ICS'	MOULD DRYING STATIONS	
TEMPERATURE BLENDING 'IBS'	MANIPULATORS ('A' FRAME & BEAM)	THERMAL 'HPG'
PATTERN RECOGNITION 'APROS'	BESPOKE MOULD STRIPPING &	
	CLOSING	CHROMITE SEPARATION
MIXER OPTIONS	AUTO MOULD CLOSING	
	'EASY CLOSE'	FMS REMCON
RF CONTROL 'SMART CONTROL'		
POWDER FEEDER 'SMART-ADDITION'	CASTING & COOLING	REMOTE CONNECTION OPTIONS
SAND HEATERS 'SMART-HEAT'		
AUTO SAND GATE 'SMART-SAND'	MANUAL POURING & COOLING LINES	CORE MACHINES
FLOW METERING 'SMART-FLOW'	AUTOMATED POURING & COOLING	(SEE SEPARATE BROCHURE)
DOCUMENTATION HMI VIEW	LINES 'TRANSLOOP'	(OLL OLI / IIV II L DI IOOI IOIL)
'DOC-VIEW'	CLIMBING TRANSFER CARS	
REMOTE PLC & HMI CONNECTION	MOULD WIPE OFF STATION	CORE MACHINES
'REM-CON'	MOULD LIFT & TILT STATION	GASSING GENERATORS
	MOULD ROTATE & WIPE OFF STATION	RESIN & AMINE STORAGE





Sand Mixers

FMS offer a range of continuous sand mixers with capacities ranging from 1-60 tonnes per hour. The FMS range of continuous sand mixers have been developed over the past 35 years with a proven robust design.

The Triton range of mixers are available in many combinations from single arm, articulated and many other bespoke designs such as portable, mobile, triple arm and much more...

All FMS mixers come with easy to open split tube design with a quickly removable mixing shaft, our mixing shaft arrangements are an FMS proven design with shaft configurations to suit the chemical process. All our mixing shafts use our own patterned blades, which are available in SG Iron, HF600 Hardened Tipped or Tungsten Carbide Tipped.

All FMS mixers come with a standard high specification including:-

ICS 'Intelligent Control System' which is a Mitsubishi based PLC with full colour HMI touch screen, gear driven AC Inverter controlled Resin pumps, magnetically driven AC Inverter controlled Catalyst/Ester pumps, sand level detection and low air pressure monitoring.

Optional Mixer Features include:-

IBS 'Intelligent Blending System' which is a temperature controlled Catalyst/Ester Auto-blending system, air purge on chemical inlets, flow monitoring of chemicals, RF control, powered mixing head/primary arm movement, multiple sand gates with optional low/high tonnage facility.













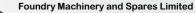


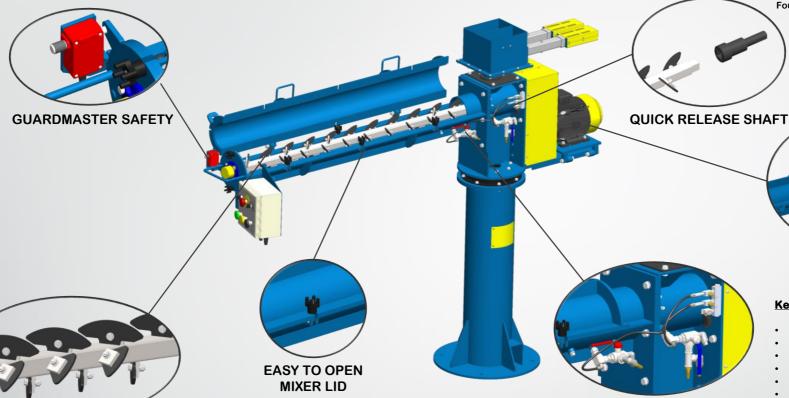




SINGLE ARM SAND MIXERS







AIR PURGE AND CALIBRATION VALVES

DIRECT DRIVE (TS5-DD)

Key Features

- Throughputs of 1-40 tph
- · Single or multiple sands
- PLC & Colour HMI standard
- Calibration valves on chemical inlet
- Quick release shaft
- Optional HF600 or Tungsten Carbide Tipped blades
- Optional air purge on chemical inlet
- Optional dual tonnage facility
- Optional automatic temperature blending
- · Optional fume extraction

DIRECT DRIVE MIXERS (DD)								
MODEL	TPH	REACH (mm)						
TS2-DD	1-3	735						
TS5-DD	3-5	1250						

BOLT ON ADJUSTABLE

SG IRON BLADES

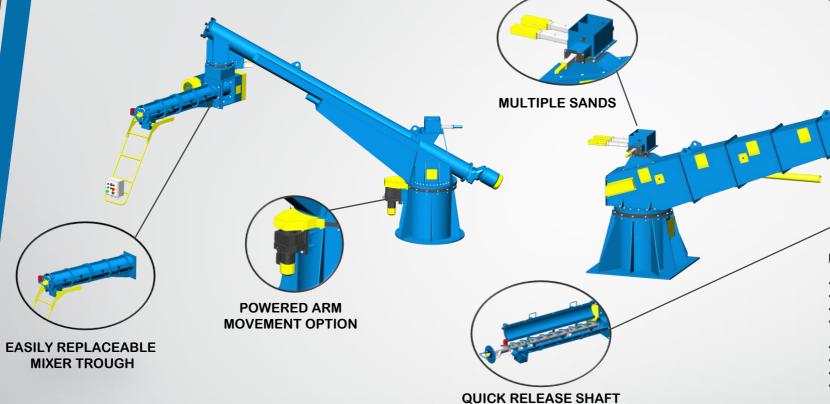
GEARBOX DRIVE MIXERS (GB)						
MODEL	TPH	REACH (mm)				
TS5-GB	3-5	1250				
TS5MR-GB	3-5	1500				
TS5LR-GB	3-5	2000				
TS10-GB	6-10	1750				
TS15-GB	10-15	2000				

BELT DRIVE MIXERS (BD)						
MODEL	TPH	REACH (mm)				
TS10-BD	6-10	1750				
TS10LR-BD	6-10	2000				
TS15-BD	10-15	1750				
TS15LR-BD	10-15	2000				
TS20-BD	15-20	1750				
TS30-BD	15-20	2000				

ARTICULATED SAND MIXERS



Foundry Machinery and Spares Limited



SCREW ARTICULATED MIXERS								
MODEL	TPH	PRIMARY ARM REACH (mm)	MIXING HEAD REACH (mm)					
TA5-SC	3-5	2000 - 7000	1250					
TA10-SC	6-10	2000 - 7000	1750					
TA15-SC	10-15	3000 - 7000	2000					
TA20-SC	15-20	3000 - 7000	2000					
TA30-SC	20-30	3000 - 7000	2000					
TA40-SC	30-40	3000 - 7000	2000					
TA60-SC	40-60	3000 - 7000	2500					

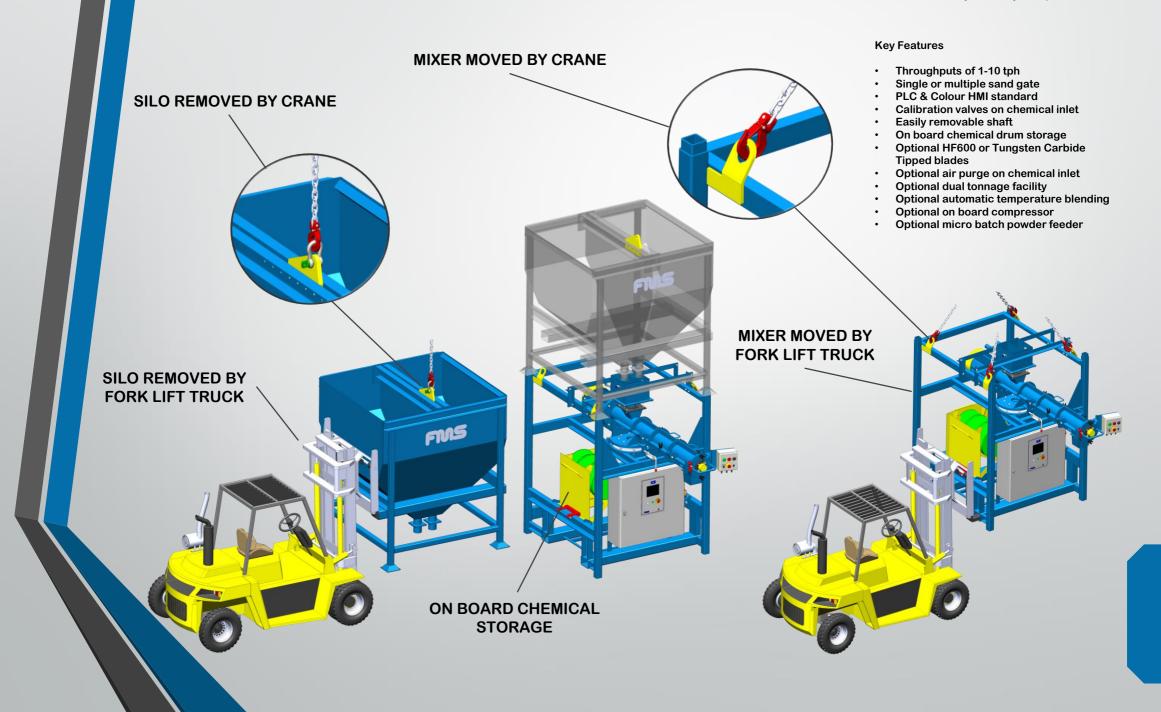
BELT ARTICULATED MIXERS								
MODEL	TPH	PRIMARY ARM REACH (mm)	MIXING HEAD REACH (mm)					
TA5-BC	3-5	2000 - 7000	1250					
TA10-BC	6-10	2000 - 7000	1750					
TA15-BC	10-15	3000 - 7000	2000					
TA20-C	15-20	3000 - 7000	2000					
TA30-BC	20-30	3000 - 7000	2000					
TA40-BC	30-40	3000 - 7000	2000					
TA60-BC	40-60	3000 - 7000	2500					

Key Features

- Throughputs of 5-60 tph
- · Single or multiple sands
- PLC & Colour HMI standard
- Calibration valves on chemical inlet
- · Pneumatic mixer head brake
- · Quick release shaft
- Easily replaceable mixer trough
- Optional HF600 or tungsten carbide blades
- Optional air purge on chemical inlet
- · Optional dual tonnage facility
- Optional automatic
- temperature blending
- Optional fume extraction
- Optional powered arm movement

PORTABLE SAND MIXERS

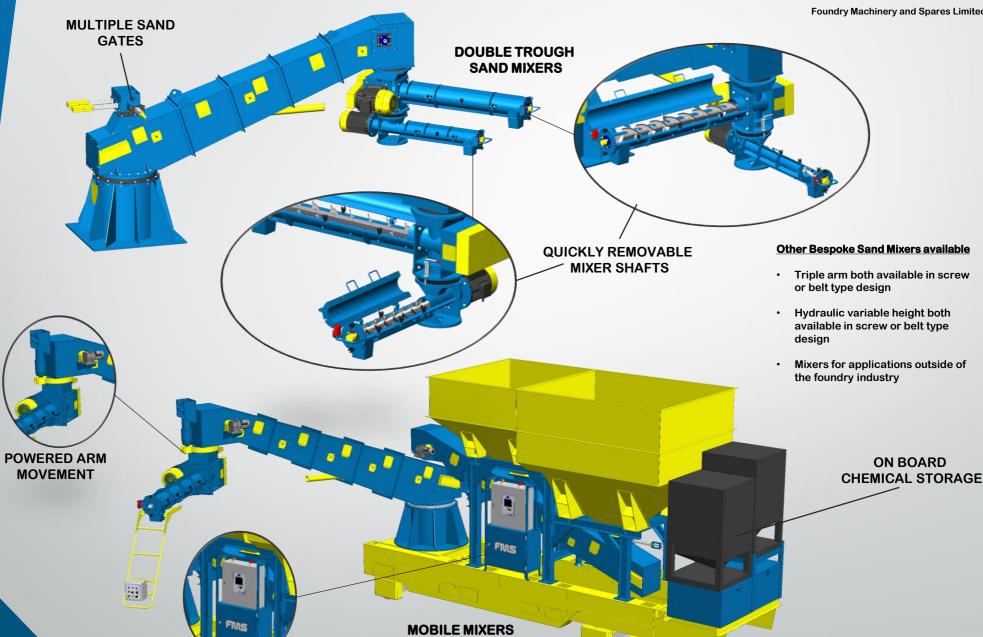




BESPOKE SAND MIXERS



Foundry Machinery and Spares Limited

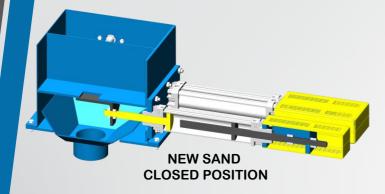


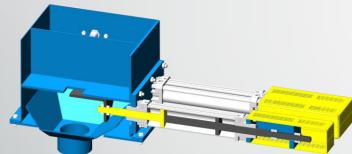
WITH ON BOARD SAND STORAGE

OPTIONAL FLOW MONITORING FOR LARGE MOULDS

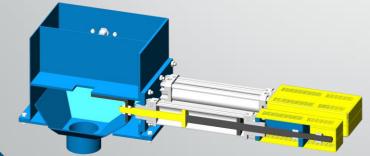
MIXER SAND GATES



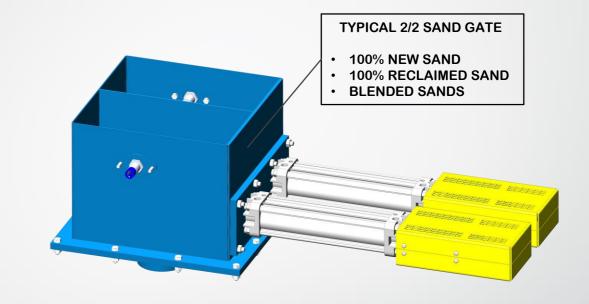




NEW SAND BLEND RATE POSITION



NEW SAND 100% OPEN POSITION



TYPICAL SAND GATES									
MODEL	NUMBER OF SANDS	NUMBER OF SAND PROG	NEW SAND	REC SAND	BLENDED SANDS				
1/0	1	1	YES	NO	NO				
1/1	1	2	YES	NO	NO				
2/0	2	2	YES	YES	NO				
2/1	2	2	YES	NO	YES				
2/2	2	3	YES	YES	YES				
	OTHER SAND GATES ON REQUEST								

Key Features

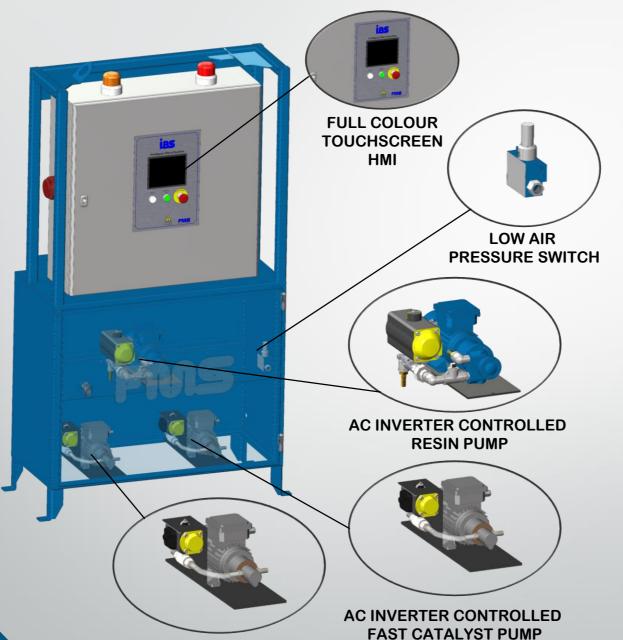
- Low maintenance
- Easily replaceable cylinders
- Sand level detection
- Sand temperature (IBS only)
- Special tandem cylinder design
- Compact design

PUMP PACKS & CONTROLS

(ESTER)



Foundry Machinery and Spares Limited



AC INVERTER CONTROLLED

SLOW CATALYST PUMP (ESTER)



Key Features

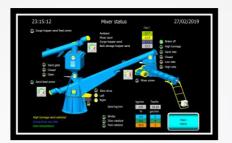
- Suitable for FMS and other brand sand mixers
- Single or multiple sand gate control
- PLC & Colour HMI standard
- · Low air pressure monitoring
- AC Inverter driven Tuthill gear pumps (resins)
- AC Inverter driven Tuthill magnetically driven gear pumps (Esters and Catalysts)
- Quickly removable pump plates for ease of maintenance
- Sand level detection and visual indication
- Pause alarm
- Optional upgrade to 9", 12" and 15" HMI screen
- Optional automatic temperature blending
- · Optional flow monitoring

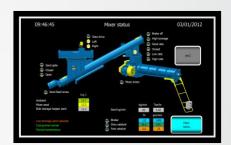
TYPICAL MIXER HMI SCREENS



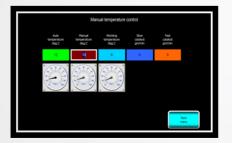


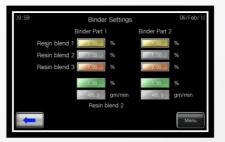




























Mould Handling

FMS is proud to offer a wide range of specialised mould handling equipment, from horizontally arranged simple manual systems to fully automated carousels, fast loops and shuttle systems as well as an innovative vertical system known as the 'RAPID' a revolutionary concept by Transtek.

The RAPID has an very small foot print when compared to conventional horizontal fast loops. Due to the nature of the design the unit is faster, safer and quieter.

All our mould handling plants can be made to suit flask and flaskless moulds as well as manual loops, carousels and fast loop systems.

We offer a full range of handling equipment to compliment typical moulding plants, such as rollover strip units, flood coating stations, mould manipulators and mould closing units.

Each and every mould handling project is different due to different foundry working practices, we highly recommend you contact FMS for our standard questionnaire, to allow us to understand the level of automation required.













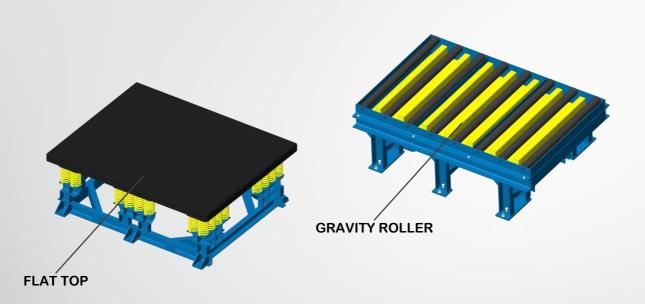


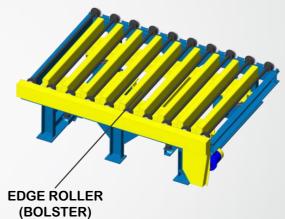




COMPACTION TABLES







Key Features

- Available in flat top, gravity roller and edge roller design
- AC Inverter controlled vibration frequency either fully adjustable or with pre-set speeds
- Table raise via air bellows and quick exhaust system
- Independent operator controls or incorporated into mixer operator station
- Easy clean design
- No pits required
- Optional quick release rollers (manual roller only)
- Optional AC Inverter driven powered rollers

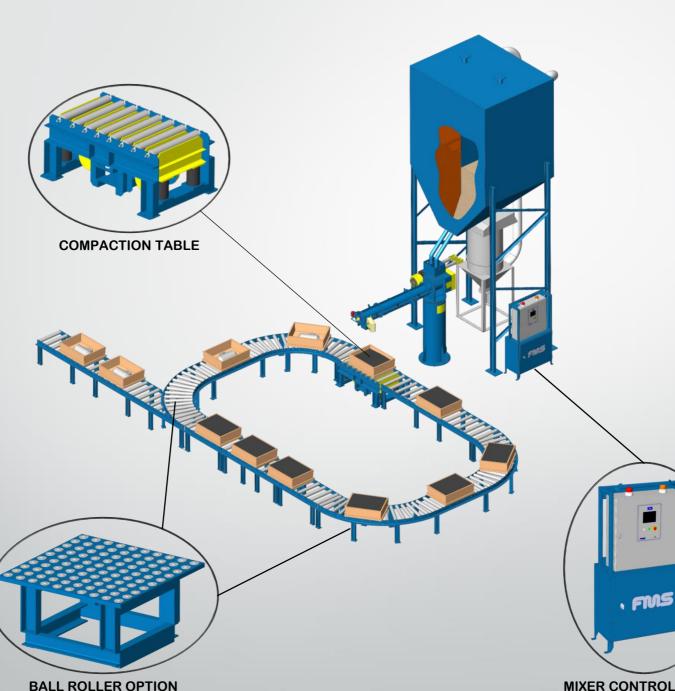
COMPACTION TABLES							
MODEL152 5	LOAD (KG)	LENGTH (mm)	WIDTH (mm)				
CT1	750	610	455				
CT2	1000	915	610				
CT3	1000	915	760				
CT4	1000	915	915				
CT5	1250	1220	915				

COMPACTION TABLES							
MODEL	LOAD (KG)	LENGTH (mm)	WIDTH (mm)				
СТ6	1350	1525	915				
CT7	2000	1525	1220				
CT8	3000	1900	1220				
СТ9	5000	2500	1500				
CT10	6000	3000	2000				

GRAVITY ROLLER TRACK MOULDING



Foundry Machinery and Spares Limited



Key Features

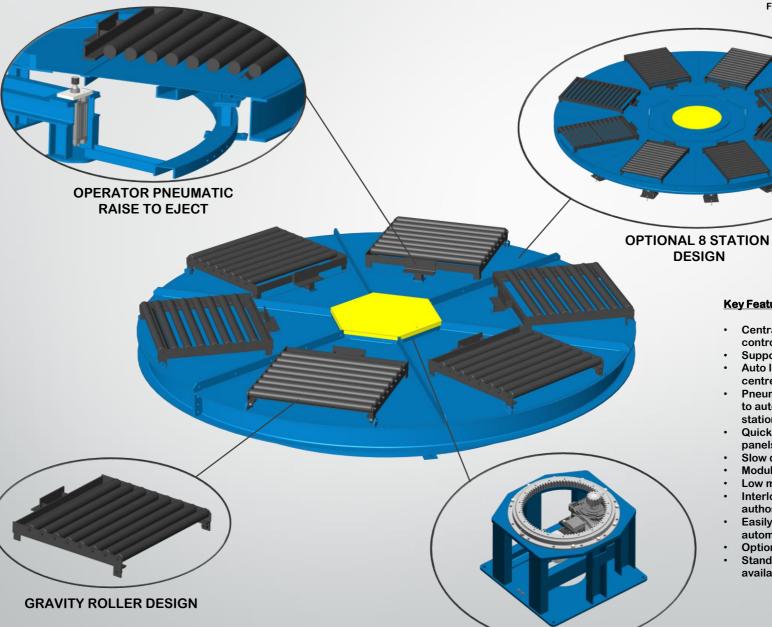
- · Flexible design to suit most foundries
- · Installation with existing or new equipment
- Designs to suit minimum installation area
- Ideal for the smaller foundry or jobbing foundries
- · Can be used in conjunction with overhead crane with spreader beam or mould manipulator
- · Optional scissor lift for lowering to low level casting lines
- · Optional junctions, ball tables or 90° bends
- Optional manual rotary turntables
- Optional lift up access gates
- Optional transfer cars for pattern change or mould storage

MIXER CONTROL PANEL

BASIC CAROUSELS



Foundry Machinery and Spares Limited



Key Features

- · Central drive with AC inverter speed
- Supporting rollers under table
- Auto load due to rollers angled to the
- Pneumatic operator controlled raise to automatically eject to fill or strip station
- Quickly removable maintenance
- Slow down and stop limits
- Modular design
- Low maintenance

AC INVERTER DRIVEN INTERNAL DRIVE

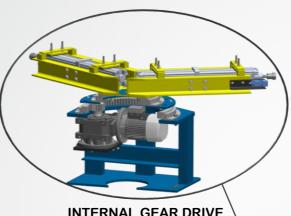
- Interlocked controls for 2 person authorisation before rotation
- Easily integrated into manual or automated production lines
- Optional 4, 6 or 8 station design
- Standard and bespoke sizes available

CAROUSELS (FOR USE WITH ROLLOVER)

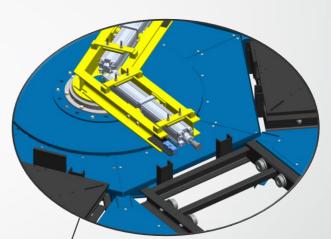


Key Features

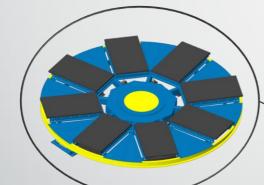
- · AC inverter driven drive from centre
- Support rollers under table
- Auto load due to rollers angled to the centre
- Pneumatic auto eject
- Quickly removable maintenance panels
- Slow down and stop limits
- Modular design
- Low maintenance
- Interlocked controls for 2 person authorisation before rotation
- · Edge roller and bolster plate design
- · Optional 4, 6 or 8 station design







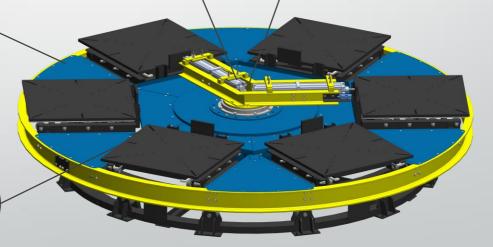
PNEUMATIC AUTO EJECT



8 STATION OPTION

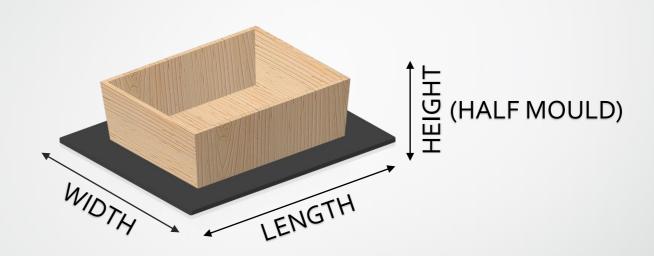


EDGE ROLLER DESIGN



MOULDING LINE SIZE GUIDE

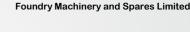




SYSTEM			С	AROUSE	EL					
		RAPID								
							SHU [*]	TTLE		
			FAST LOOP							
	BOLSTER SIZE		SIZE 2	SIZE 3	SIZE 4	SIZE 5	SIZE 6	SIZE 7	SIZE 8	SIZE 9
	LENGTH (mm)	800	1000	1300	1600	2000	2200	2600	3300	3500
BOLSTER SIZE	WIDTH (mm)	600	800	1000	1200	1550	1800	2300	2000	2500
	HALF MOULD (mm)	300	350	500	500	650	800	800	900	900

HORIZONTAL MOULDING 'FAST LOOP'

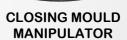






AUTOMATIC BELT TRANSFER CAR

> **ROLL-TO-COAT MOULD COATING STATION**



Key Features

- · PLC automatic operation
- · Transfer car docking onto lines resulting in very smooth bolster transfer
- · Laser monitoring of transfer car travel, absolute control and perfect positioning
- Flawless system control via a 10" full colour HMI touchscreen on the operator panel
- · All motors inverter driven with full diagnostics
- Fieldbus communication
- PILZ safety protection

AUTOMATIC

TRANSFER CAR

VIBRATORY COMPACTION TABLE

DOCKING STATIONS ON EACH PARK POSITION

General Description

The Fast Loop is a productive solution amongst conventional moulding lines.

It is well suited to applications with nonstandard sizes.

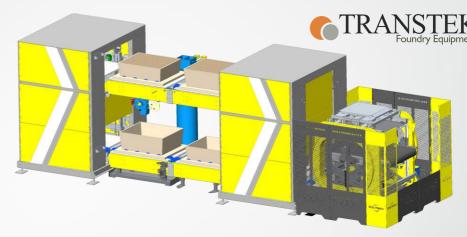
The production speed can be bettered by a "Close Loop" option where the rollover strip machine (Strip Master) is incorporated inside the loop.

VERTICAL MOULDING 'RAPID'



Foundry Machinery and Spares Limited

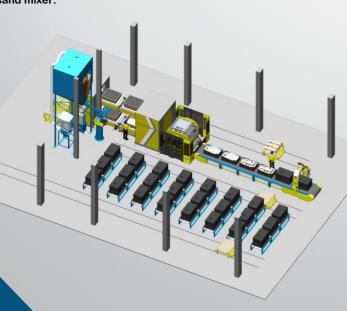




General Description

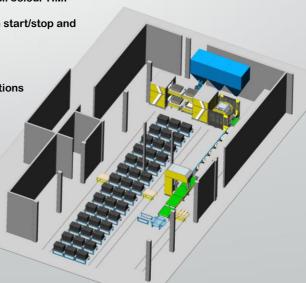
The 'RAPID' with its vertically arranged loop is unique in its field, especially in respect of its reduced footprint area.

 Thanks to the operation of the system, the cycle is uninterrupted within the loop making the RAPID up to 20% faster than that of our competitors, using a traditional loop with the same size continuous sand mixer.



- 60% Less footprint area when compared to a conventional horizontal moulding loop
- · PLC automatic operation
- Safer working operation (safest automated loop available)
- Modern design, with easy modular installation
- Easy integration into existing plants
- · Access for both sides
- Can be used with flask and flaskless moulds
- Full control and visualisation with 7" full colour HMI touchscreen on operator panel
- All motors inverter driven with smooth start/stop and full diagnostics
- Fieldbus communication
- PILZ safety protection
- Optional upgrade to 8 or 10 station
- · Optional heat above bridge curing stations

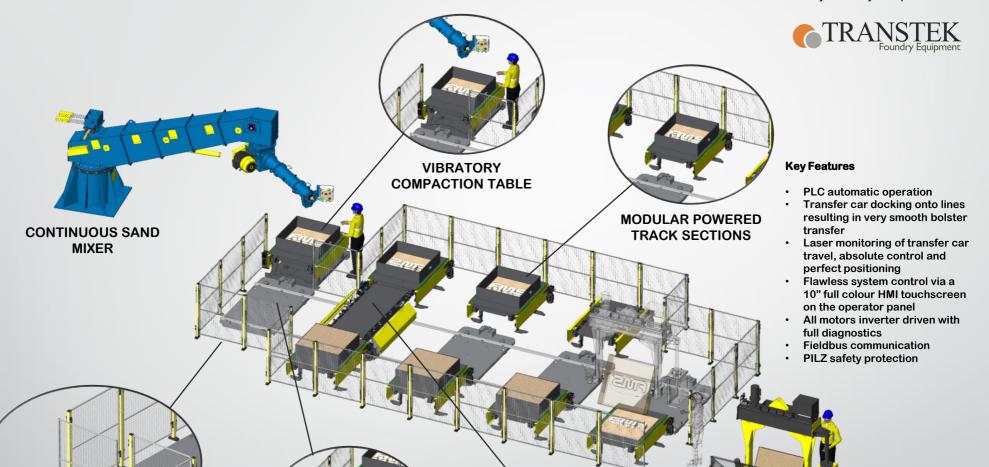




SHUTTLE MOULDING LINES



Foundry Machinery and Spares Limited



REMOVABLE SAFETY GUARDING (MAINTENANCE)

DOCKING STATIONS ON EACH PARK POSITION

AUTOMATIC TRANSFER CAR OPTIONAL FLOOD COAT STATION

ROLLOVER STRIP 'STRIPMASTER'



Foundry Machinery and Spares Limited



Key Features

PLC automatic operation Programmable strip cycle by operator (every operation fully adjustable such as strip speed, vibration frequency or the unique

shock-strip system)

and electrics

diagnostics

require operator input

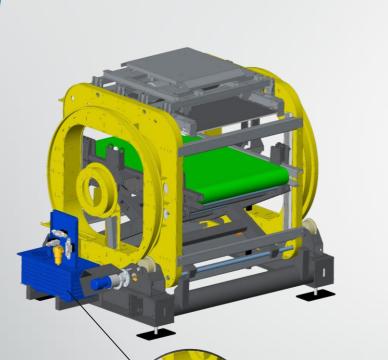
Profibus communication PILZ safety protection

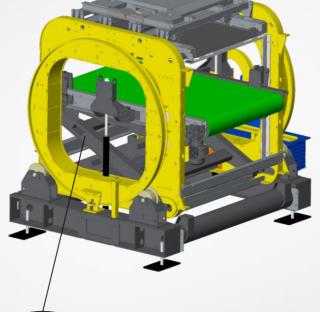
4 zone strip control which doesn't

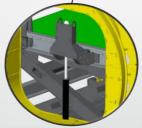
No tall drag chain post due special geometry of machine making the unit completely plug and play Integrated hydraulics, pneumatics

Full control via a 7" full colour HMI touchscreen on the operator panel All motors inverter driven with full

All hydraulics on proportional valves







PRECISION SCISSOR LIFT TECHNOLOGY



The 'STRIPMASTER' is an improved version of the typically known rollover strip machines, with it's unrivalled stripping technique that enables stripping of even the most stubborn moulds easily.

Minimum floor space is required, due to the machines special geometry no pits are required.

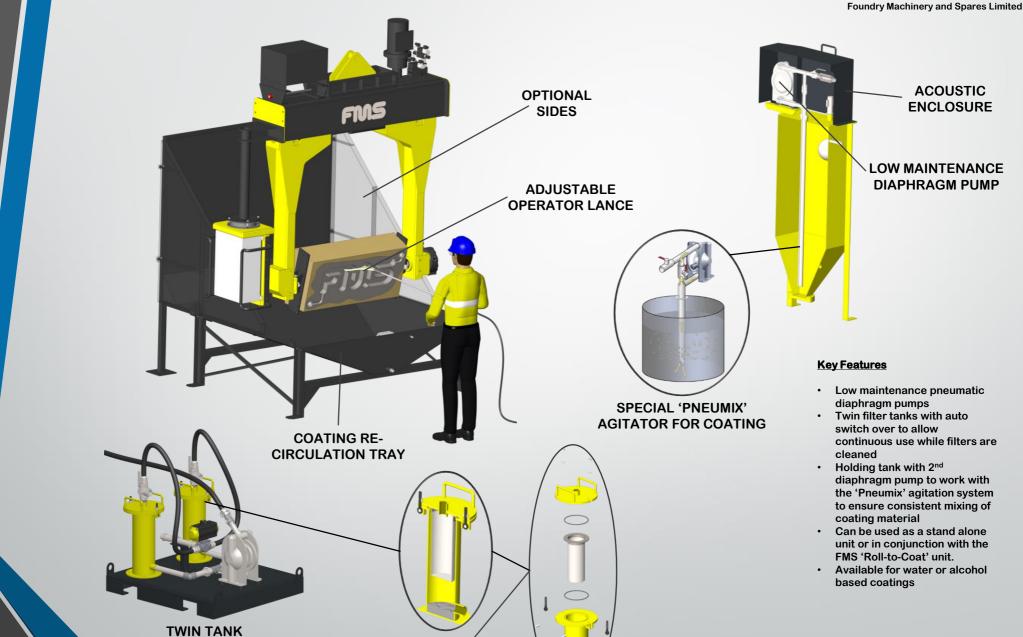
Maintenance free mechanical lifting and descending device

FITTED PRE ASSEMBLED HYDRAULIC PACK

HYDRAULIC ROTATION

MOULD FLOOD COATING





QUICKLY REMOVABLE BASKET FILTERS

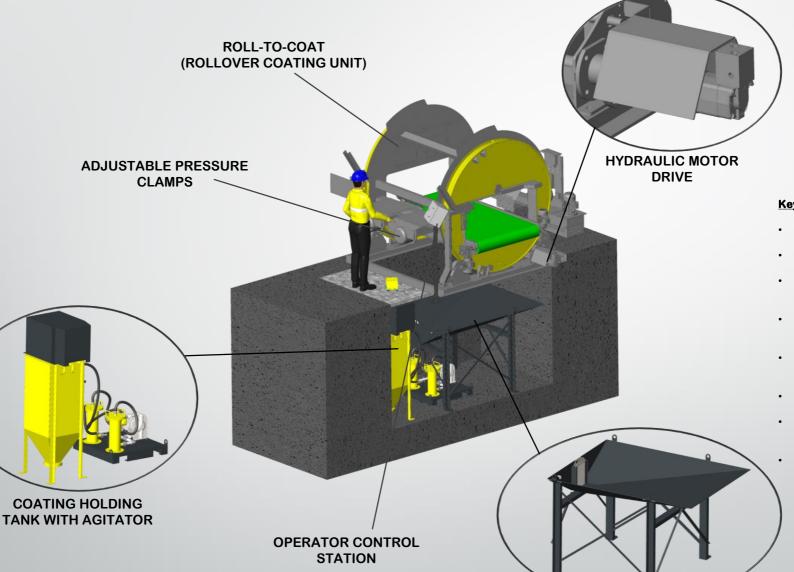
DESIGN

ROLL TO COAT & IN-LINE COATING



Foundry Machinery and Spares Limited





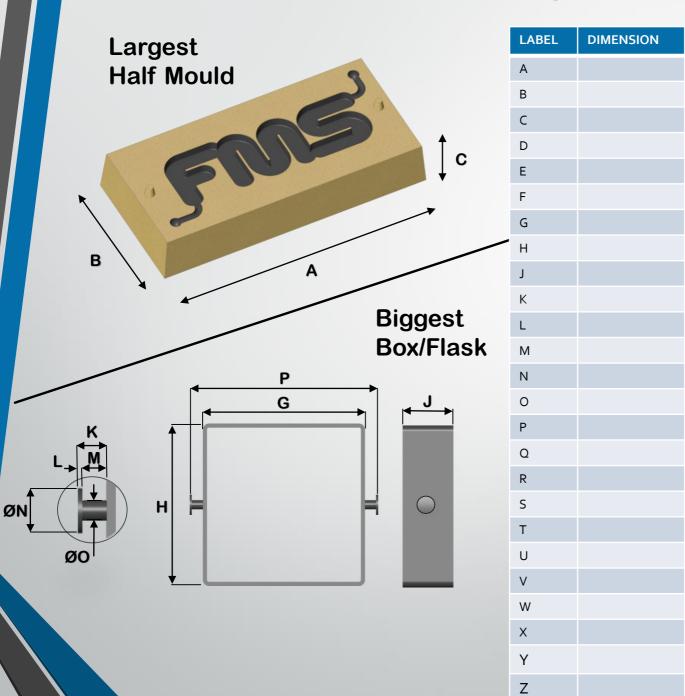
Key Features

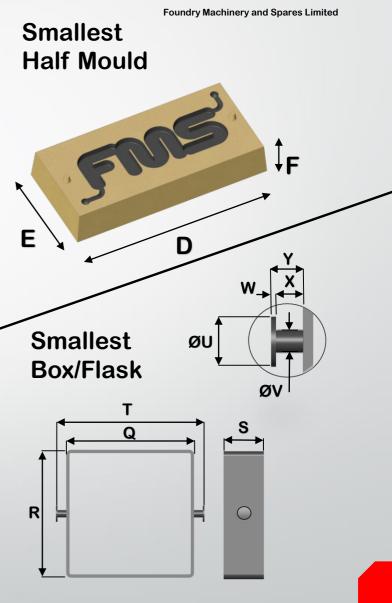
COATING RE-CIRCULATION TRAY

- Two independent clamps with independent pressure settings
- Can coat two moulds at the same time
- Flask and flaskless moulds using same clamps with no structural change
- Full control and diagnostics with 7" full colour HMI touchscreen on the operator panel
- Clamp pressures adjustable on screen, fast changeover between pre-set values
- Two adjustable positions; coating and dripping
- Belt inverter driven, all hydraulic motions on proportional speed control
- Can be adapted to fit existing plants

MANIPULATOR REQUEST GUIDE







MOULD MANIPULATORS



Foundry Machinery and Spares Limited



'A' FRAME TYPE PNEUMATIC WITH MANUAL ROTATION AS STANDARD



'A' FRAME TYPE
WITH OPTIONAL POWERED ROTATION
AVAILABLE IN ELECTRIC OR HYDRAULIC



BEAM TYPE HYDRAULIC
WITH HYDRAULIC POWERED
ROTATION AS STANDARD

Key Features

- Available as pneumatic, electric or hydraulic design
- 'A' frame or beam type design
- Low maintenance
- Robust design
- Fully load tested
- Optional integrated crane controls
- Optional powered rollover
- Optional facility for use with trunnions/flasks

PNEUMATIC OPERATION								
MODEL	MIN CLAMP	MAX CLAMP	SWING RADIUS	MAX LOAD (KG)				
MM2P	300	750	350	250				
ММЗР	400	900	500	500				
MM4P	600	1100	600	500				
-	-	-	-	-				

	ELECTRIC OPERATION									
MODEL	MIN CLAMP	MAX CLAMP	SWING RADIUS	MAX LOAD (KG)						
MM2E	300	750	350	500						
ММЗЕ	400	900	500	750						
MM4E	600	1100	600	750						
MM5E	650	1200	750	1000						

HYDRAULIC OPERATION				
MODEL	MIN CLAMP	MAX CLAMP	SWING RADIUS	MAX LOAD (KG)
-	-	-	-	-
ММЗН	400	900	500	1000
MM4H	600	1100	600	1000
MM5H	650	1200	750	2000

MOULD MANIPULATORS 'BESPOKE'



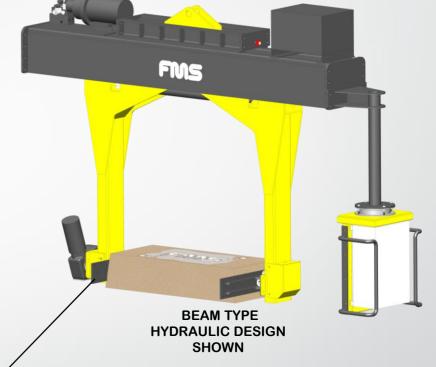
Foundry Machinery and Spares Limited



MANUAL SCISSOR TYPE DESIGN SHOWN



'A' FRAME TYPE (HYDRAULIC DESIGN SHOWN FITTED WITH OPTIONAL TRUNNION FACILITY)



OPTIONAL TRUNNION FACILITY

OPTIONAL TRUNNION FACILITY

Key Features

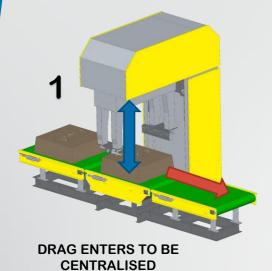
- Available as manual, pneumatic, electric or hydraulic design
- 'A' frame or beam type design
- Low maintenance
- Robust design
- **Fully load tested**
- Sizes to suit special moulds
- Optional integrated crane controls
- Optional powered rollover
- Optional facility for use with trunnions/flasks

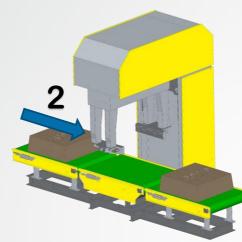
MOULD CLOSING 'EASY-CLOSE'

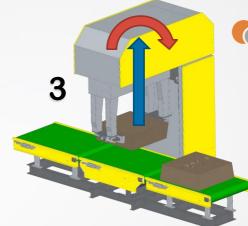


Foundry Machinery and Spares Limited



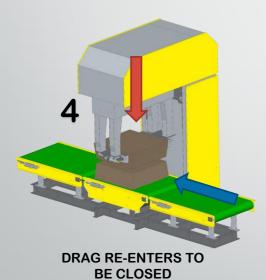


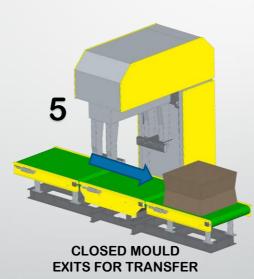




DRAG EXITS READY FOR CLOSING

COPE ENTERS TO BE CENTRALISED AND ROTATED





Key Features

- · PLC automatic operation
- Precise parallel closing
- Balanced manipulator weight so no risk of mould damage during closing
- Robust mechanical design
- Full control via a 7" full colour HMI touchscreen on the operator panel
- Smooth floating table
- · Unbeatably low energy consumption
- Automatic centralising both length and width
- · All motors inverter driven, smooth start and stop
- Profibus communication
- PILZ safety protection
- · Adaptable to all existing lines

General Description

The 'EASY-CLOSE' is a bespoke device that makes it possible to close moulds (cope & drag) that are not properly designed for closing. This is because the machine is designed to enable the operator to have manual input at the last stage of the process.

However, provided that the mould pattern is properly designed at the first stage of the pattern, then it is possible to close the mould in fully automatic cycle if required.

Casting & Cooling

FMS offer a range of casting & cooling lines with our partner Transtek ranging from simple gravity roller design to fully automated PLC controlled lines

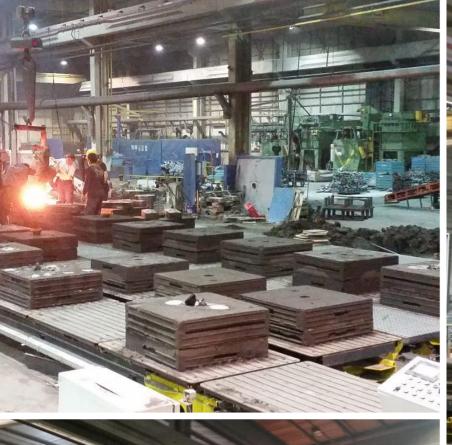
The automatic systems can be designed in many variants to suit the installation area available. These can include:-

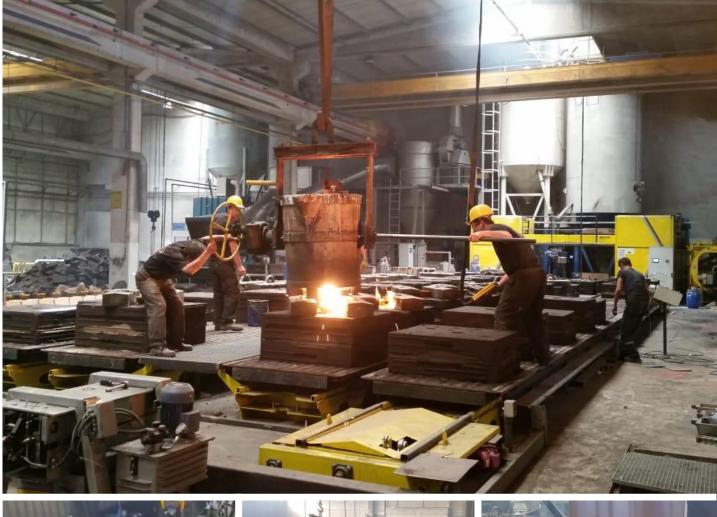
- Multiple casting & cooling lines, all with individual hydraulic pushers (no hydraulics, pneumatics or electrics under or near the lines for low maintenance)
- Automatic transfer cars with safety bumpers
- Mould wipe off stations
- Mould transfer, lift and tilt into mechanical reclamation
- CCTV monitoring at either end of the line, enabling full control and diagnostics
- Optional Mould logging and tracking to ensure correct metals and cooling times















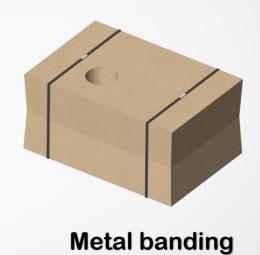


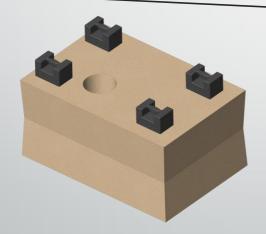


METHODS OF CLAMPING COPE & DRAG FOR POURING

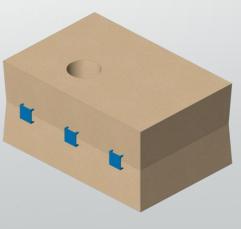








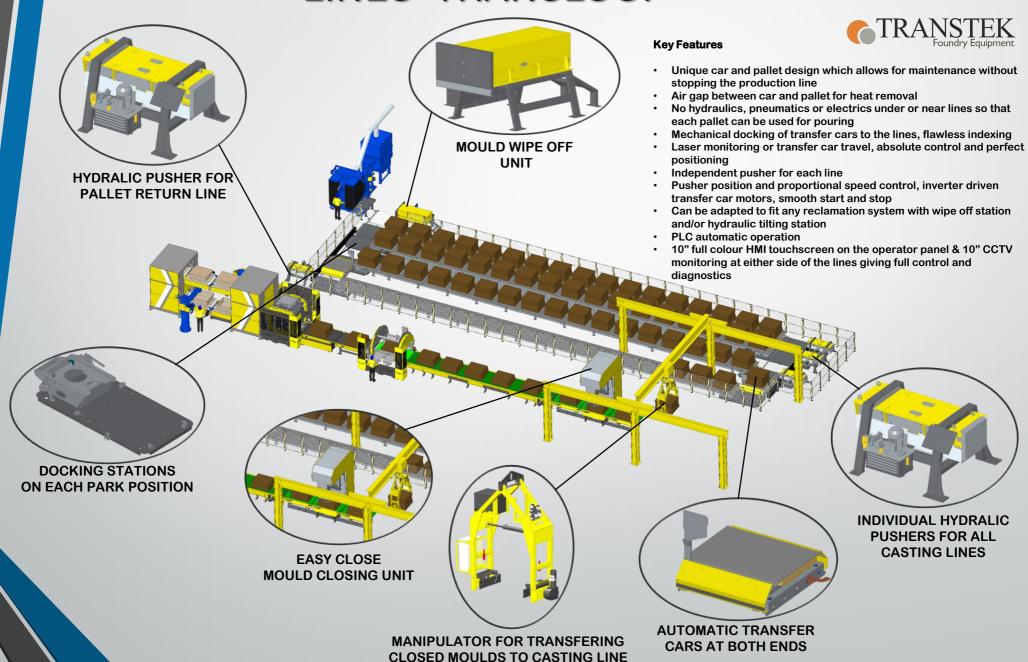




Clamping spikes

AUTOMATIC CASTING & COOLING LINES 'TRANSLOOP'



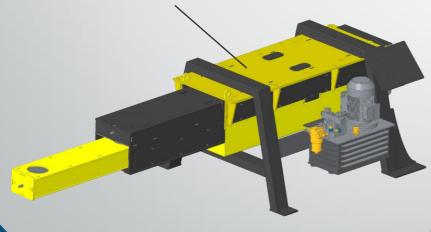


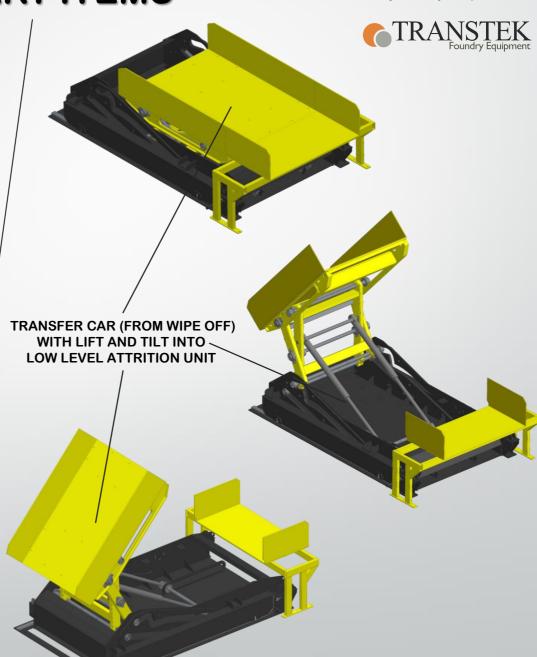
CASTING & COOLING LINE ANCILLARY ITEMS





TELESCOPIC MOULD
WIPE OFF STATION CONTROLLED BY
HYDRAULIC PROPORTIONAL SPEED CONTROL





Sand Reclamation

FMS offer a range of sand reclamation systems ranging from 1-30 tph, the range includes mechanical, secondary and thermal plants generally as listed below:-

- Compact Mechanical Reclamation. 1-3 Tph
- Vertical Discharge Mechanical Reclamation. 6-12 Tph
- Elevated Discharge Mechanical Reclamation. 5-20 Tph
- Bottom Discharge Mechanical Reclamation. 5-15 Tph
- Shakeout & Reclamation combination. 5 30 Tph
- Sand Classifier & Sand Coolers. 1-30 Tph
- Pneumatic Sand Conveyors. 1 30 Tph
- Secondary Reclamation. 500kgs 2 Tph
- Thermal Reclamation. 250kgs 2 Tph
- Chromite Separation. 1 6 Tph











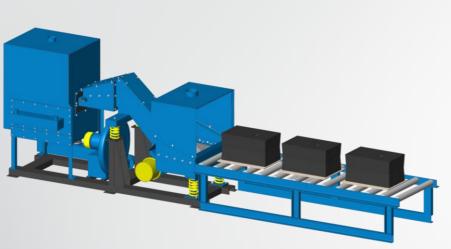




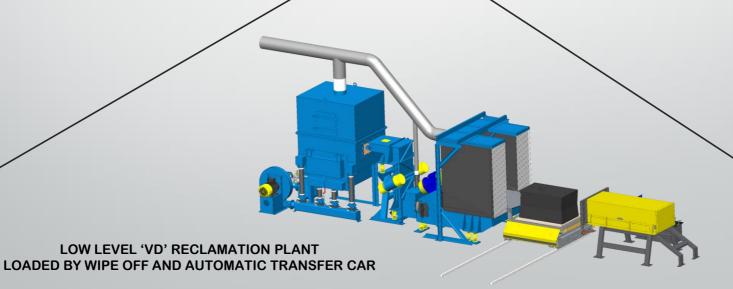


MOULD LOADING STYLES



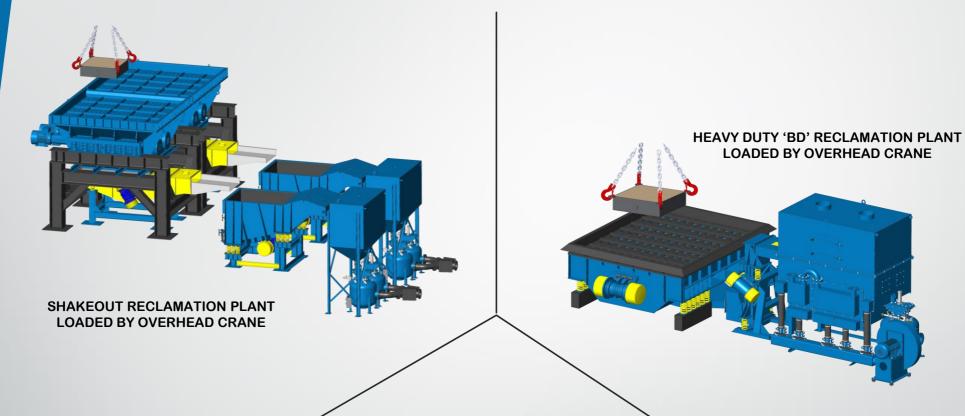


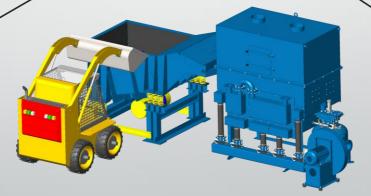
COMPACT RECLAMATION PLANT
LOADED BY HAND OR FROM TRACKS
LOADED BY HAND OR FROM TRACKS



MOULD LOADING STYLES



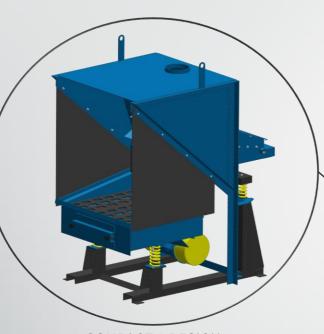




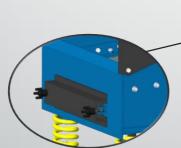
HIGH LEVEL 'ED' RECLAMATION PLANT LOADED BY PAYLOADER

SAND RECLAMATION 'COMPACT' SYSTEMS

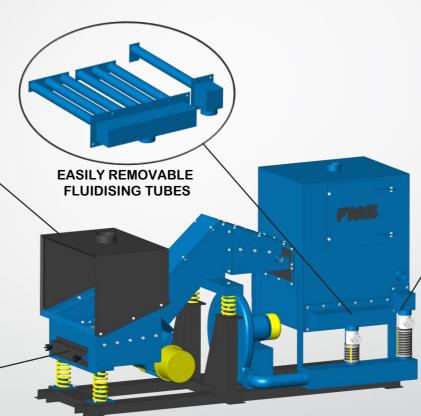




COMPACT 3 DESIGN

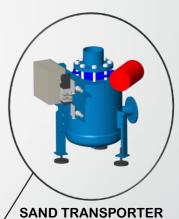


QUICK RELEASE CLEAN OUT DOOR



COMPACT RECLAMATION SYSTEMS				
MODEL	TPH	DECK SIZE (mm)	LOAD (KG)	
COMPACT 1	1	900 X 550	250	
COMPACT 3	3	1200 X 1200	500	

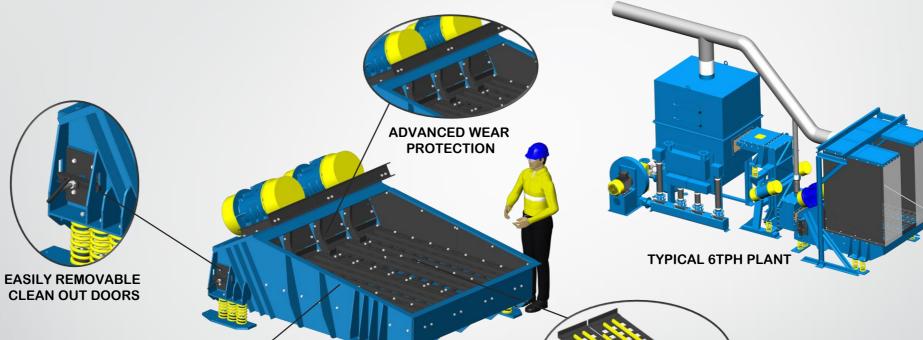
COMPACT 1 DESIGN

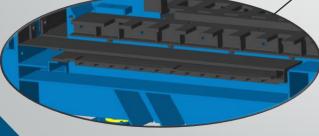


- Throughputs from 1-3 tph
- No need for expensive pits
- Ideal for the smaller foundry
- · Cold or hot sand plants available
- Robust design with easily replaceable internal wearing screens
- Load from floor or track

SAND RECLAMATION 'VERTICAL DISCHARGE' SYSTEMS







EASILY REPLACEABLE WEARING SCREENS

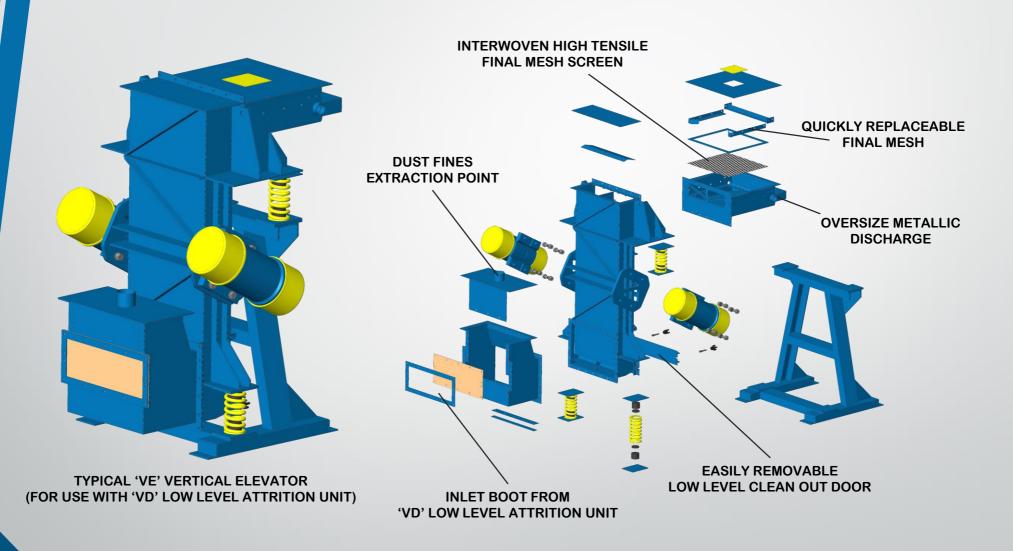
VD RECLAMATION SYSTEMS				
MODEL	TPH	DECK SIZE (mm)	LOAD (KG)	
VD6B	6	1500 X 1150	1000	
VD6S	6	1500 X 1500	1000	
VD9B	9	2000 X 1600	2000 – 3000	
VD9S	9	2000X 2000	2000 – 5000	
VD9/XL	9	2500 X 2000	2000 – 5000	
VD12	12	2000 X 2000	2000 - 5000	

OPTION FOR NYLON BREAKER BARS

- Throughputs from 6-12 tph
- No need for expensive pits
- · Cold or hot sand plants available
- Robust design with easily replaceable internal wearing screens
- Load from floor or track
- Option to use with mould wipe off station
- Choice of deck sizes
- Deck loadings from 1000 6000kgs

VIBRATORY ELEVATORS

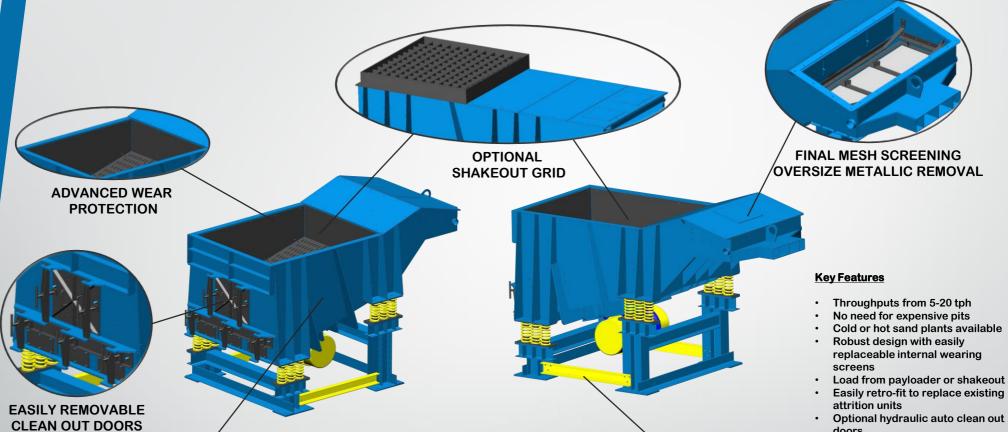


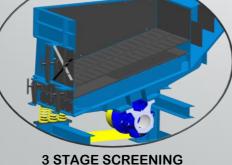


SAND RECLAMATION 'ELEVATED DISCHARGE' SYSTEMS



Foundry Machinery and Spares Limited





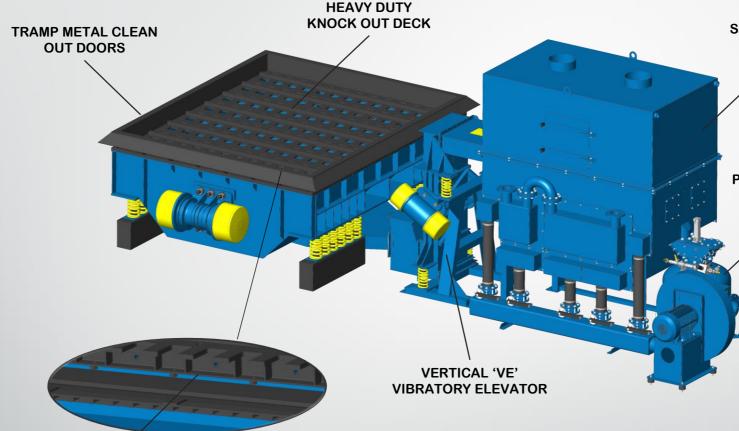
T	d			
SCF	REEN	ING		

ED RECLAMATION SYSTEMS			
MODEL	TPH	LOAD AREA (mm)	LOAD (KG)
ED5	5	1500 X 850	1000
ED10	10	1700 X 990	1500
ED15	15	1700 X 1350	2200
ED20	20	1700 X 1850	3000

- Robust design with easily replaceable internal wearing
- Easily retro-fit to replace existing
- Optional hydraulic auto clean out
- Optional mini shakeout grid

SAND RECLAMATION 'BOTTOM DISCHARGE' SYSTEMS





EASILY REPLACEABLE WEARING SCREENS

BD RECLAMATION SYSTEMS MODEL **TPH** DECK SIZE (mm) LOAD (KG) BD5 5 2000 X 2000 5000 BD5/L 5 2500 X 2000 5000 BD5/XL 5 3000 X 2000 5000 BD10 10 2000 X 2000 10000 2500X 2000 10000 BD10/L 10 BD10/XL 10 3000 X 2000 10000

SAND COOLER CLASSIFIER

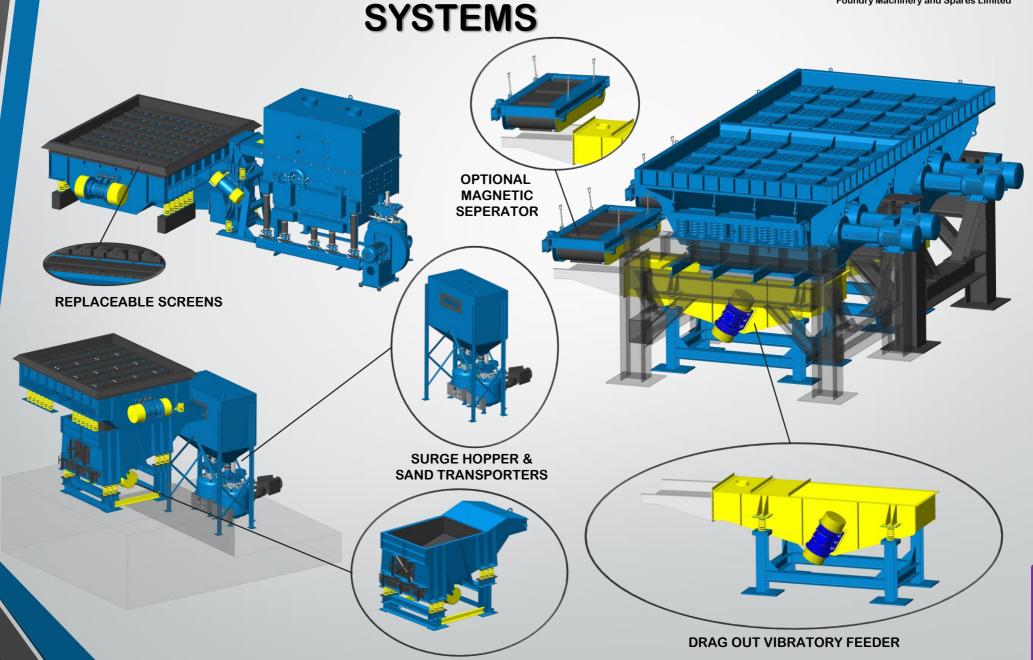
DENSE PHASE PNEUMATIC CONVEYOR

- · Throughputs from 5-10 tph
- · No need for expensive pits
- · Cold or hot sand plants available
- Robust design with easily replaceable internal wearing screens
- Load from floor or track
- Choice of deck sizes
- Deck loadings from 5000 10000kgs
- Option to use with mould wipe off station
- Option to install magnetic over band

SAND RECLAMATION **BOTTOM DISCHARGE AND SHAKEOUT**



Foundry Machinery and Spares Limited

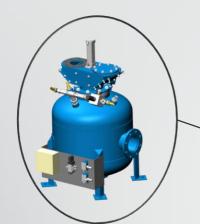


SAND RECLAMATION (ED TYPE)

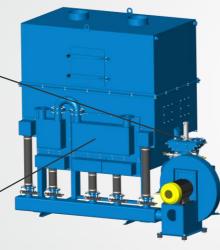
SAND RECLAMATION COOLER & CLASSIFIER



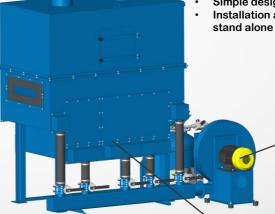
- · Throughputs from 1-30 tph
- Cold sand classifiers suitable for sand up to 130°C
- Hot sand Cooler Classifiers suitable for sand up to 300°C
- · Fluidised bed type design by high pressure fan set
- High level (full) sensor for automatic start stop
- · Easily incorporated in to new or existing plants
- · Simple design for easy maintenance
- Installation as part of mechanical reclamation plant or stand alone unit i.e. under sand silo



PNEUMATIC SAND TRANSPORTER



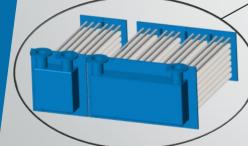
HOT SAND COOLER CLASSIFIER



COLD SAND CLASSIFIER



HIGH PRESSURE FAN SET



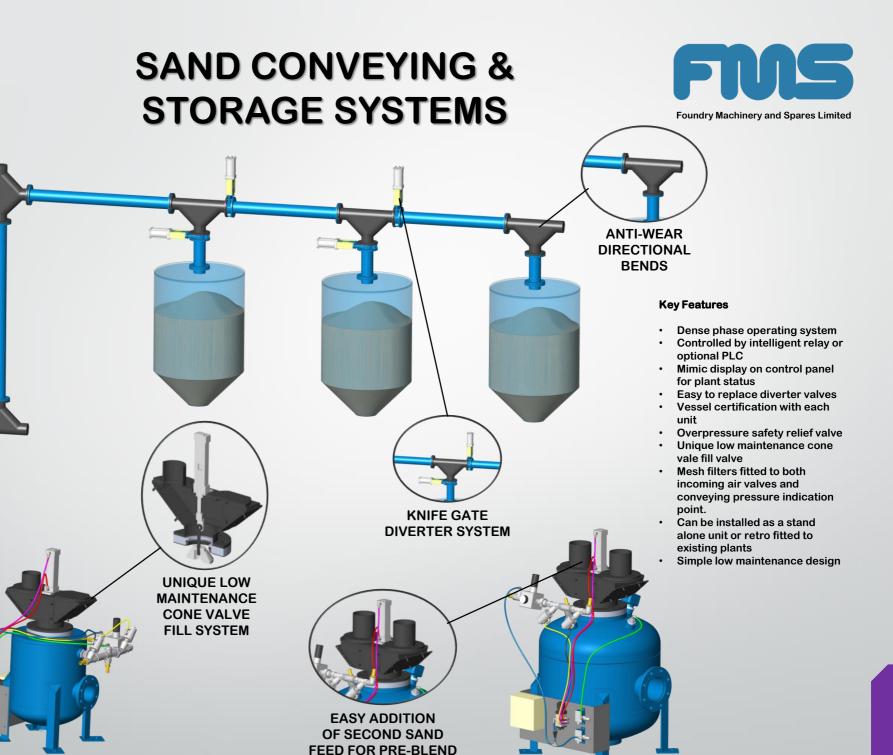
EASILY REMOVABLE
HEAT EXCHANGERS
MADE WITH CARBON STEEL
FINNED TUBES

HOT SAND COOLER CLASSIFIERS			
MODEL	TPH	MAX SAND °C	
Т3	3	300	
Т6	6	300	
Т9	9	300	
T12	12	300	
T15	15	300	
T18	18	300	
T21	21	300	

COLD SAND CLASSIFIERS			
MODEL	TPH	MAX SAND °C	
Т3	3	130	
Т6	6	130	
Т9	9	130	
T12	12	130	
T15	15	130	
T18	18	130	
T21	21	130	

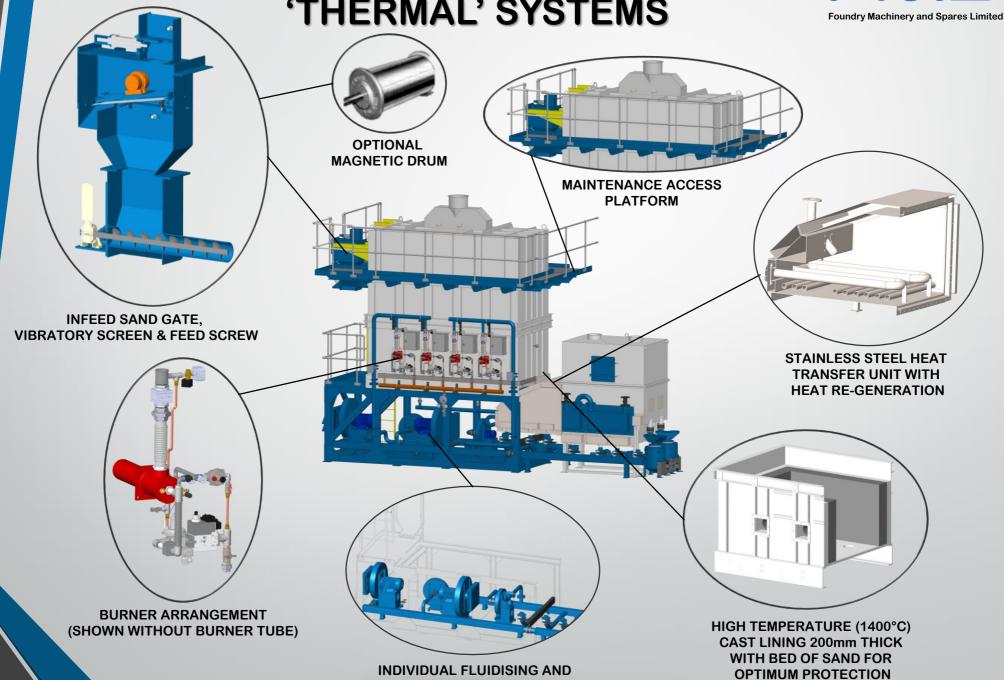


EASILY REMOVABLE FLUIDISING TUBES



SAND RECLAMATION 'THERMAL' SYSTEMS

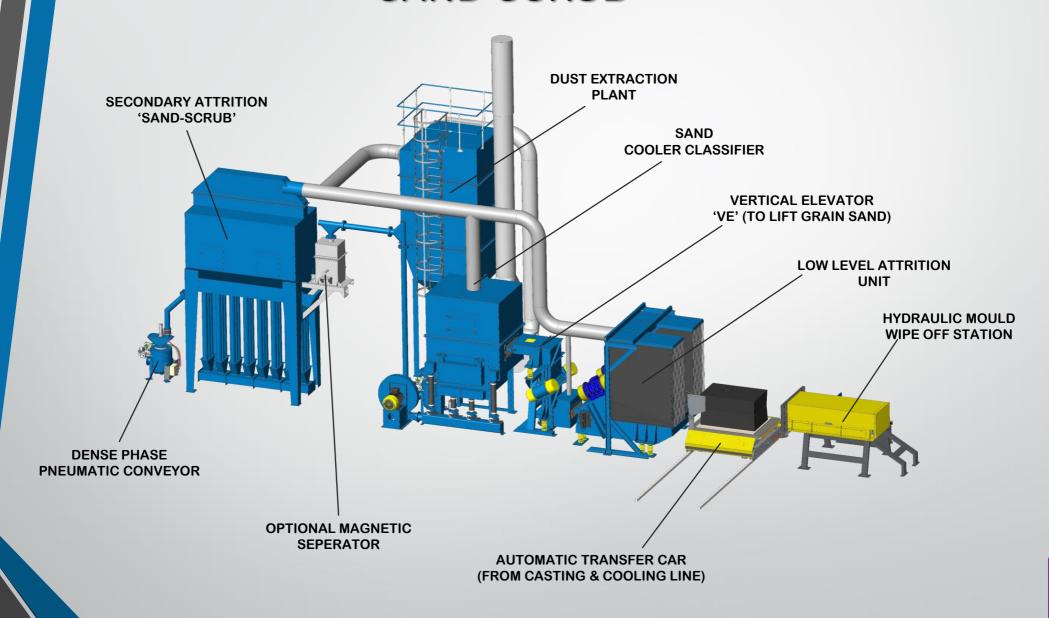




COMBUSTION FANS

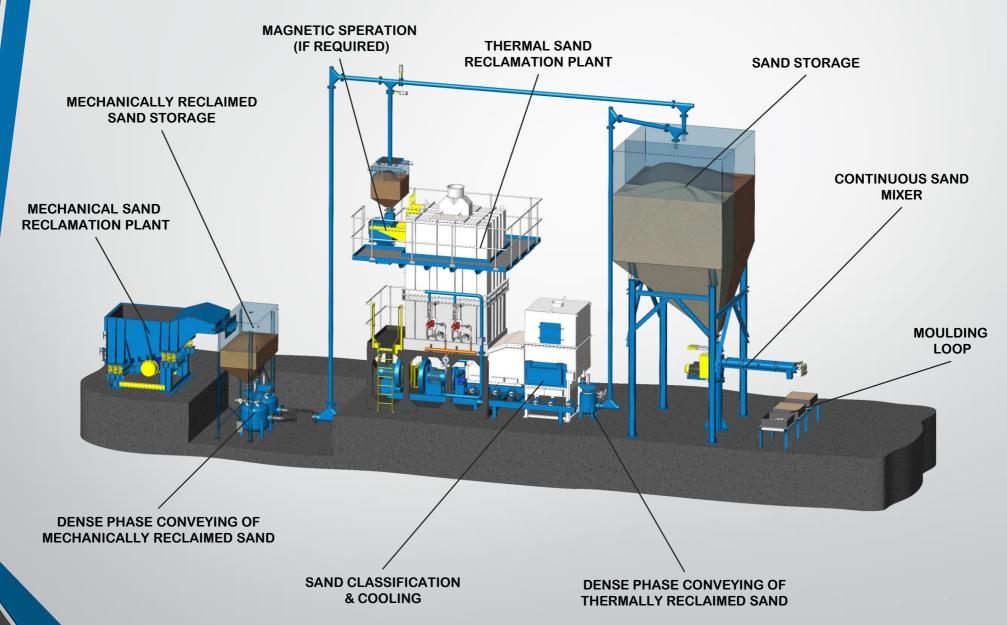
SAND RECLAMATION 'SAND-SCRUB'





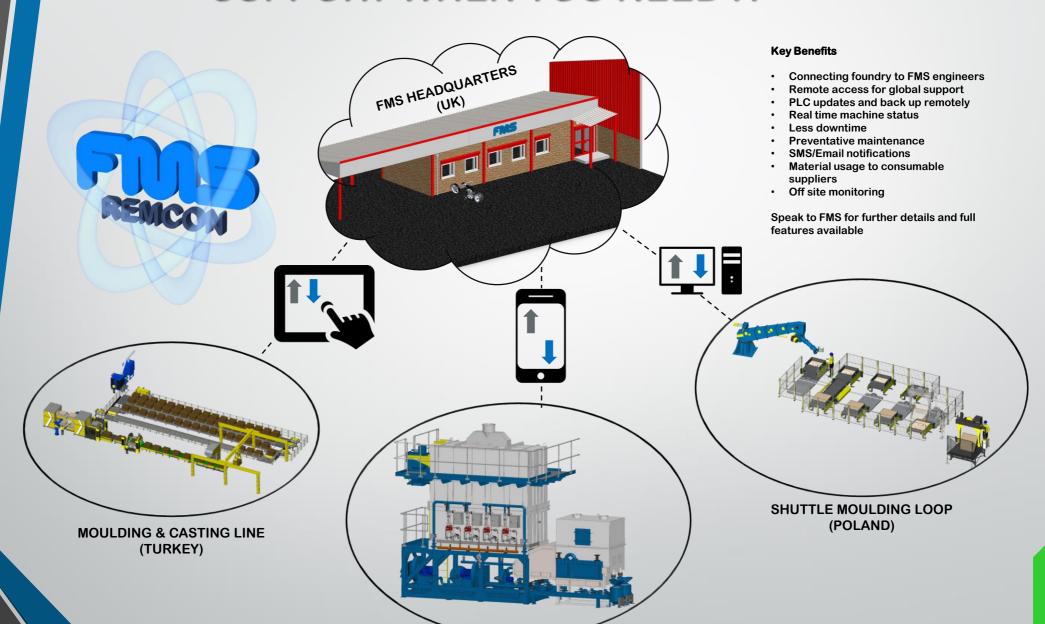
SAND LIFE CYCLE





FMS REMCON "SUPPORT WHEN YOU NEED IT"





THERMAL PLANT (FRANCE)



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