MATCHPLATE MOLDING

LINEAR MOLD HANDLING SYSTEMS

TURNTABLE MOLD HANDLING SYSTEMS

SAND PREPARATION & TESTING

AROUND THE WORLD

HUNTER AUTOMATED MACHINERY

Since 1964

WORLD LEADER IN MATCHPLATE MOLDING AND SAND TECHNOLOGY

Now operating in

China Sweden Taiwan South Africa
Ireland Poland England Chile New Zealand
Canada Venezuela Brazil Honduras Turkey
Australia Germany Colombia Czech Republic
Mexico India Egypt Thailand Singapore
Malaysia Scotland Holland Ecuador
Korea
Japan Indonesia
Argentina Italy
Greece

The XL®

An Innovation in Matchplate Molding Technology

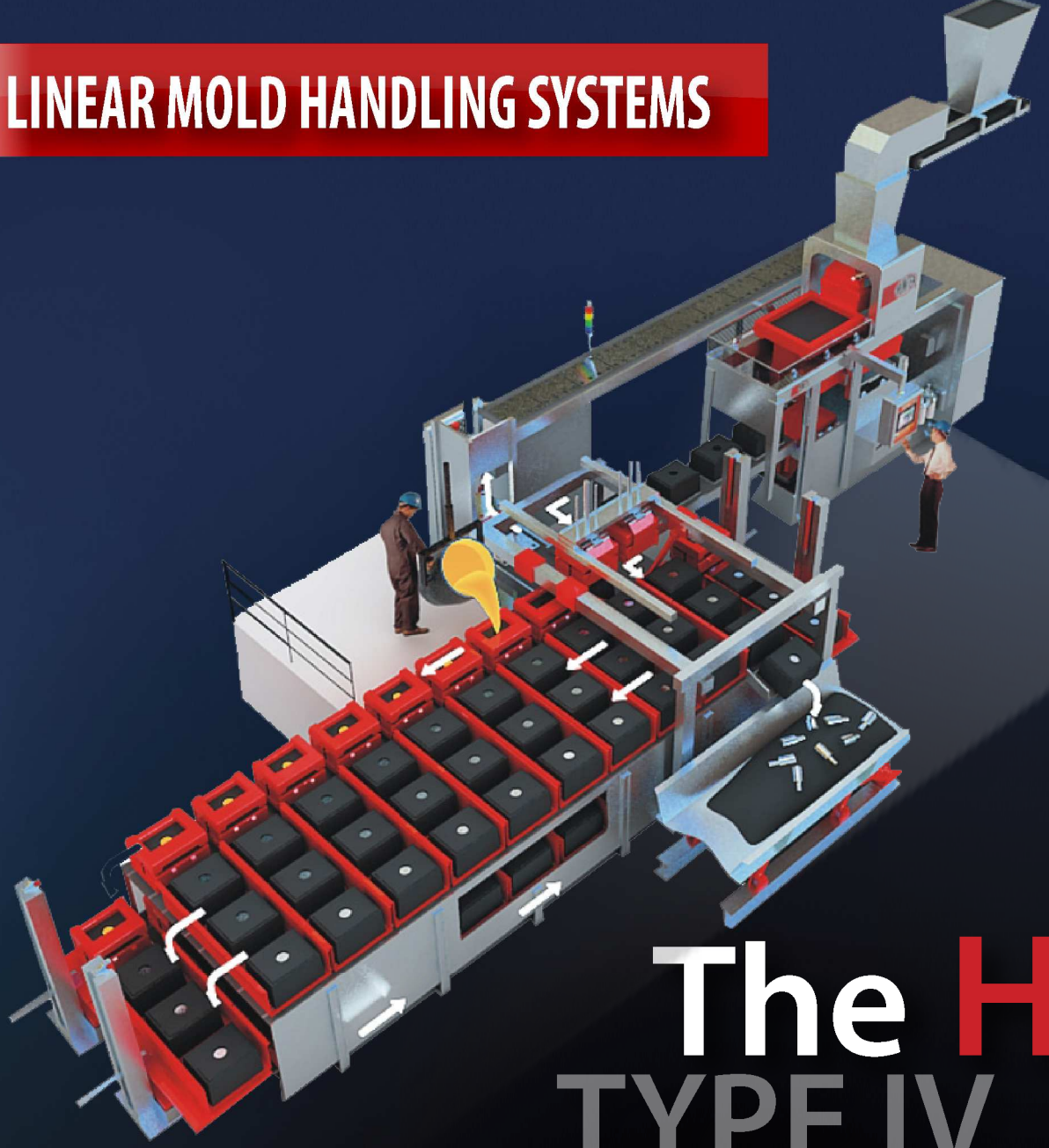
Introducing the most sophisticated advancements in Matchplate Molding Technologies...

The XL Series of Horizontal Matchplate Molding Machines is the most technologically advanced match-plate molding machine built for today's foundries to produce the highest quality castings. Hunter has completely re-designed the HMP to produce the XL. The XL provides foundries with features that increase casting quality, productivity and profitability.

QUALITY. PRODUCTIVITY. PROFITABILITY.

Models		XL 1419	XL 2024	XL 2430	XL 3032
Mold Size	Width	14" (355mm)	20" (508mm)	24" (610mm)	30" (762mm)
	Length	19" (483mm)	24" (610mm)	30" (762mm)	32" (813mm)
	Heigth		Shallow Deep	Shallow Deep	
	Cope	5-1/2" (140mm)	6-1/2" (165mm) 8-1/2" (216mm)	10" (254mm) 12" (305mm)	12" (305mm)
	Drag	4-1/2" (114mm)	5-1/2" (140mm) 7-1/2" (190mm)	9" (229mm) 11" (280mm)	11" (280mm)
Molding Speed	Cycles per hour	200	180	100	90
Sand Requirement	Lbs/mold	150	400	760	1200
	Kg/mold	68	181	350	544
Squeeze Surface Pressure	Variable to Maximum	142 psi ($10kg/cm^2$)	142 psi ($10kg/cm^2$)	142 psi ($10kg/cm^2$)	142 psi ($10kg/cm^2$)
Air Consumption Per Mold	Cubic Feet	1	1.5	2.5	3.7
	Cubic Meters	.030	.045	0.75	.110
Machine Dimensions	Length	137" (3485mm)	156" (3990mm)	168" (4775mm)	200" (5085mm)
	Heigth	116" (2950mm)	125" (3180mm)	147" (3734mm)	156" (3990mm)
	Width	62" (1575mm)	62" (1575mm)	74" (1880mm)	74" (1880mm)
	Approx Weight	10,000lb (4536kg)	15,000lb (6804kg)	20,000lb (9072kg)	25,000lb (11360kg)

LINEAR MOLD HANDLING SYSTEMS



The HLH®
TYPE IV

Single row pouring plus Triple row cooling line

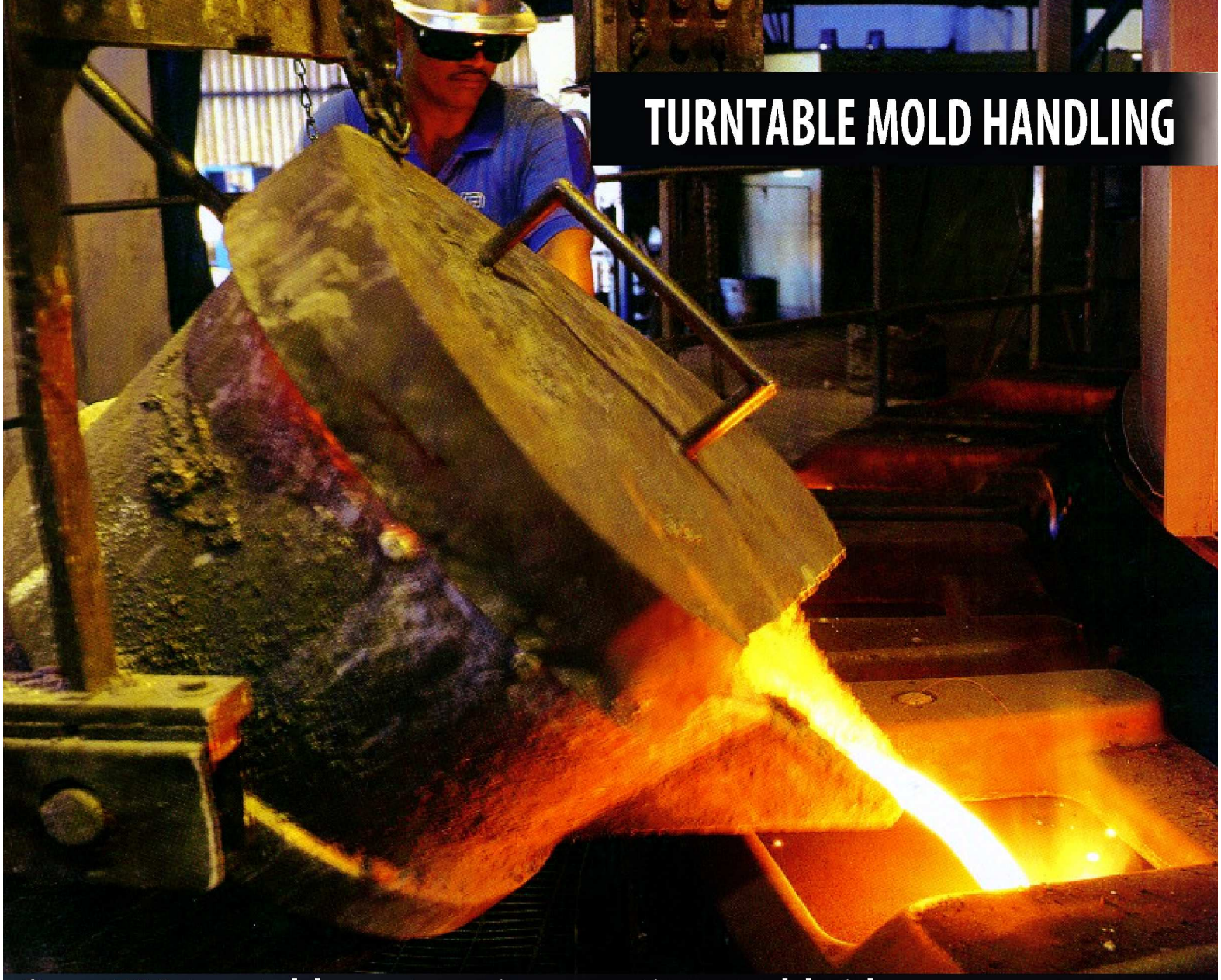
Cooling times in excess of 1 hour

Molds can pass through the system a second, third or fourth time without wieghts and jackets for additional cooling before they are discharged

THE HLH: Available in 4 models to meet your unique needs

VERSATILITY. POSSIBILITY.

TYPE I SYSTEM	Single row pouring line. Cooling times up to 30 minutes
TYPE II SYSTEM	Double row combined pouring and cooling line. Cooling times up to 45 minutes
TYPE III SYSTEM	Triple row combined pouring and cooling line. Cooling times up to 1 hour



TURNTABLE MOLD HANDLING

Over 500 turntable systems in operation worldwide.

Totally Integrated System Responsibility

Unique vertical storage

SIMPLE. INEXPENSIVE. EASY.

SINGLE-Level Turntable	Cooling times up to 15 minutes.
DUAL-Level Turntable	Cooling times up to 30 minutes.
MULTI-Level Turntable	Cooling times up to 1 hour.

The HV®

SAND PREPARATION EQUIPMENT

The MU
Pre-Mixer, Homogenizer.

THE SPACE MU Pre Mixer Homgeniser unit is used for the addition of water and additives to green sand prior to the bulk sand storage. This equipment not only promotes the spontaneous development of the bentonite but also conditions the sand in a uniform manner, ready for final mixing.

The MU provides reductions in sand problems, additive usage, power consumption and improves sand quality.

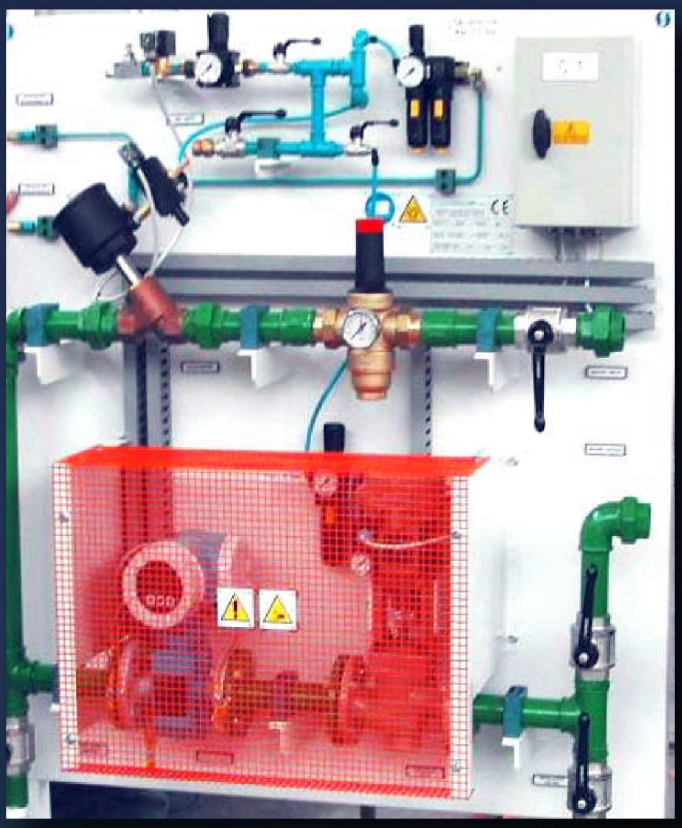
The VR
Rotating Pan Intensive Mixer.

The SPACE VR mixer pan rotation combined with our turbine blades and scrapers allows for the thorough mixing of the material. The result is quick and effective homogenizing.

Special tungsten carbide anti-wearing coating ensures long life of mixing blades and low maintenance costs. The pan vertical wall is lined with panels made of anti-wearing steel plate, easy to replace or, optional anti-wearing rubber lining, can also be supplied.

PRE-TREATMENT. CONDITIONING.

SAND TESTING EQUIPMENT



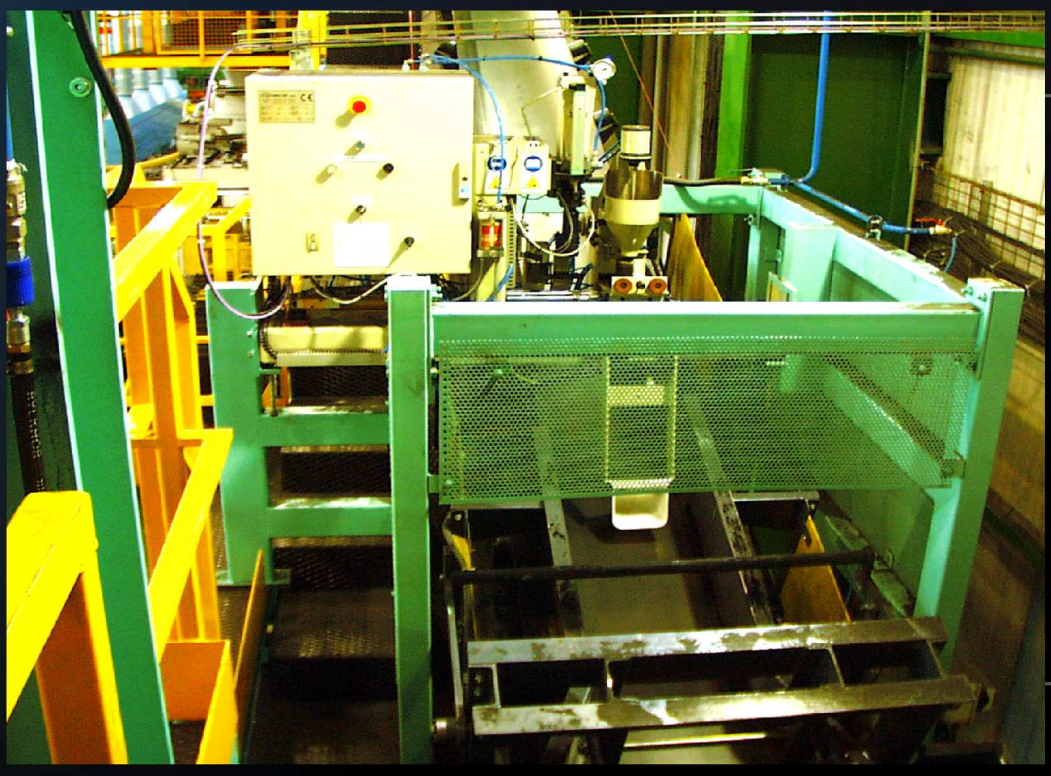
The PGF

Automatic Adjustment of Green Sand Moisture.

The PGF is suitable to be installed on mixers of every mark and type, with batch or continuous mixing. Real time control of the complete mixing batch by moistures and temparture.

The PGF has many advantages including more consistent sand moisture at mixer discharge, insuring that mixed sand will be within its target moisture range, reducing sand-related scrap defects and bad molds and allowing situation traceability on sand condition based on date and time.

Over 650 units have been sold world-wide, and the device is recognized by many leading foundries as being the most accurate available to the industry. The unit comes in two forms: The PGF-3 for batch mixers and PGF-3-CP for continuous mixers.



The GSM

Green Sand Laboratory.

The SPACE GSM Green Sand Laboratory is the ideal equipment to manage the irregular quality of return green sand. By measuring the on line characteristics of the prepared sand, such as compactibility, compression, green shear, temperature and moisture, it can adjust water and dry additions, automatically, in real time.

The GSM "Sand Lab" has also proven its reliability and repeatability on continuous as well as batch mixers.

QUALITY. CONTROL.