## VERTICAL MOULDING LINES ‘RAPID’

Maximum 6 bolsters can be run in the standard machine, 8 and 10 bolster systems are optional. The standard bolster sizes are 1300x1050mm, 1600x1250mm and 2000x1450mm. Up to 4 separate patterns can be fixed on a bolster plate at the same time. The maximum mould heights are 425, 500 and 600 respectively.

## HORIZONTAL MOULDING LINES ‘ROTOMATIK’

Bolster sizes 850x1100mm, 1050x1300mm and 1250x1600mm are standard.
Maximum mould heights are 350mm, 425mm and 500mm respectively (if used with STRIP MASTER).


## AUTOMATIC POURING LINES ‘TRANSLOOP’

TRANSLOOP is an automatic looping system of pouring cars, the cars when loaded by closed moulds, are transferred to a chosen pouring line. All moulds are indexed towards a pouring area where they are poured, then indexed towards reclamation area whilst they cool down. The pouring will take place at the same spots reducing ladle travel distances. The system can be made up of numerous pouring lines in order to stack same alloys together making pouring even more easier. The pouring area is utilised at maximum levels while labour, forklift, crane or such operations are minimised to almost zero.

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FMS
**Foundry Machinery and Spares Limited**

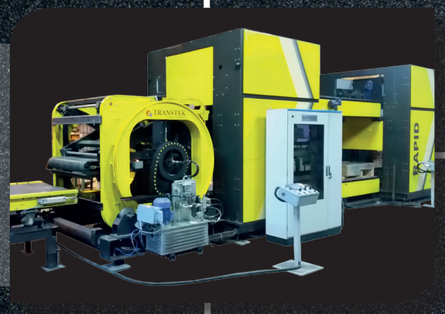
TRANSTEK
Foundry Equipment


# MOULD HANDLING

# MOULD HANDLING

**Foundry Machinery and Spares Limited**

**RAPID**
- Foot print area saving of up to 60% when compared to typical horizontal fast loop moulding system
- Approximately 20% faster than conventional horizontal fast loop with same travel speeds
- Higher working safety
- Silent and safe operation
- PLC controlled automatic process
- Robust design
- Ease of operation
- Modern design
- Easy integration to existing plants
- Easily accessible from both sides
- No pits required
- Dedicated 7" colour touch screen HMI on operator panel





**SHUTTLE BELT**
- Adjustable height
- Accurate positioning by electrical and mechanical locking to lines
- Pneumatic belt tensioning, quick tension & release
- Very easy maintenance, accessible from all sides
- Smooth start and stop
- Both transfer car and belt inverter driven
- Can travel up/down slope
- Robust cable chain cover
- Easy installation by aid of stations


**STRIP MASTER**
- Unique secondary stripping operation
- Integrated hydraulic system
- Silent and safe operation
- PLC controlled automatic process
- No pits required
- Possibility of semi-automatic and manual operation (on request)
- Modest energy consumption
- Suitable for moulds with flasks as well as moulds without flasks
- Dedicated 7" colour touch screen HMI on operator panel

**EASY CLOSE**
- Parallel closing with automated manipulator and automated floating table
- No risk of mould damage as there is only the weight of the cope acting on drag during closing process
- Robust mechanical design
- PLC controlled automated process
- Unbeatably low energy consumption
- Dedicated 7" colour touch screen HMI on operator panel

**ROTOMATIK**
- Very accurate positioning via mechanical locking to stations
- Motorized bolster motions, inverter driven, smooth and precise bolster transfer,
- Automatic engage/disengage of the powered station drives
- Intelligent automatic cycle,
- Dedicated 7" colour touch screen HMI on operator panel

**DIVERTER BELT**
- Economical solution to diverting moulds
- Pneumatic rotation
- Very simple operation, problem free
- Pneumatic belt tensioning, quick tension & release
- Belt inverter driven

**ROLL TO COAT**
- Two independent clamps with different clamping pressures
- Flask and flask less moulds can run through the system
- Dedicated 7" colour touch screen HMI
- Clamp pressure setting on operator screen, pre-set multiple values also available
- All hydraulic operations are on proportional valve speed control, adjustable on operator panel
- ATEX approved belt motor for use with alcohol coating

- **TRANSLOOP**
- Option to allow pallets to have angled slope for pouring process
- PLC controlled fully automatic process
- Detachable pouring plates to give flexibility for maintenance or replacement in case of molten metal spillage, without stopping the lines
- Pouring car design gives great gas and heat removal capabilities
- No electrics, hydraulics or pneumatics under the pouring
- All pallets can be used for pouring
- Very accurate positioning via mechanical locking to lines
- Dedicated pushers for each line