

300,000TPY 2Hi Sack Heavy Plate Rolling Mill for Plate up to 800mm Thick

Feed Stock – Ingots up to 40 tonnes

Finished Product – all grades of steel plate, max width 2850mm; thickness 40 – 800mm; max length 14000mm, including:

- LAP Laser Thickness Gauge
- SACK 2Hi Reversing Plate Mill for block & slab processing
- SACK 3000 tonnes Slab Shear (1800 x 460mm)
- BRACH HRR650 4 Roll Straightener/Leveller (max roll gap 650mm)
- Hydraulic Plate Straightening Press

An additional BRACH Straightener/Leveller (max thickness 250mm) may be available if not sold separately.
All available spares, drawings & technical documentation

Specification

300,000 tonnes per annum 2Hi Heavy Duty Sack Plate Mill producing all grades of heavy plate for use in the oil/gas sectors, machine tool building etc.

Feed Stock: Steel Ingots upto 40 tonnes

Finished Product: Steel Plate 40-800mm thick; upto 2850mm wide and upto 14000mm long

Lap Laser Thickness Gauge

- Located on entry side upstream of mill table with shifting device
- 5 Laser measuring probes
- YOM 2006
- Can be extended or retracted as required

Sack Ingot Shifting Device with Tilter

- Located upstream of the mill stand
- YOM 1976
- Shifting device driven by electrical motor
- Hydraulic tilter installed on the drive side shifting device
- 4 Tilting Hooks for tilting ingots and slabs over their longitudinal axis

Sack 2Hi Plate Rolling Mill

- Originally installed 1957: major modernisation 1976
- Mill stand opening: 2000mm
- Housing distance: 4400mm
- No rolling force measurement system
- Motors – 2 x Siemens Schuckert Drive Motors, each 5250kW DC; Rated Torque 1,110kNm, Rated Speed 45rpm, Rolling speed 2.6-3.0m/sec
- Roll size: dia 1298/1100 x 3300/6840mm with 500mm roll neck
- Roll Changing Facility with electrically driven
- Roll Changing Car, sled, and side shifting

Sack 3000 Tonnes Slab Shear

- Cutting Width 1800mm

- Nominal Cutting Height 460mm
(practical 410mm)
- YOM 1957

HRR Max 650 4 Roll Plate Straightener/Flattener

- YOM 2004
- Manufacturer Reiner Brach
- Roll Gap: max 650mm
- Weight: approx 400 tonnes
- Levelling Rolls: each 990 x 2800mm with individual drives
- Drives: 2 x 100kw and 22 x 55kw Siemens 3 phase asynchronous motors
- Torque: 2 x 640kNm and 2 x 380kNm via 4 stage planetary gearboxes
- Hydraulic Gap Adjustment System
- Hydraulic Pressure 700 bar (equal to a straightening force of 14,000kN per roll)
- Max Plate Dimensions 12000mm long x 2700mm wide x 570mm thick
- Water Cooling
- Accuracy - +/- 1mm/metre

Hydraulic Plate Straightening Press

- Single Ram Vertical Press
- Max Plate Dimensions 15000mm long x 3000mm wide x 800mm thick

High Pressure Slab Descaling Plant (210 bar)

- Located to exit side of mill
- Installed approx 2010
 - 3 x Uraca Pumps with Siemens Motors
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Location: Europe

Price: ON Request