

500,000 TPY Steel Plate Mill

for Ship Building Plate and other Applications
Built by China First Heavy Industries under license from MAN Ferrostaal
Year of Manufacture 2010 (Worked only 3 months)
Feed Stock: Steel Slab 1750 x 1850 x 250mm
Finished Product: Steel Plate 3300 x 18000 x 5-70mm thick
90 Tonnes/Hour HFO Slab Preheat Furnace
4Hi Reversing Mill with high speed roll changer
IMS Messsysteme X-Ray Thickness Gauge
9 Roll Hot Leveller
Cooling Bed with Plate Turnover
Edge Trimming & Scrap Chopping
Cut To Length Shear
Run out Table and Magnetic Plate Take Off
CNC Roll & Shear Blade Grinders
Comprehensive Range of Drawings

- Slab Infeed Conveyor to Furnace. Conveyor drive by gang motors
- Twin Track Furnace Feed with hydraulic slab pushers
- Slab Reheat Furnace 90 tonnes/hour capacity. Heavy fuel oil heating Furnace Discharge to Hot Line
- Slab Descaler High Pressure Water Descaling. Twin High Pressure Pump Jets each with 3150kW AC motor
- Infeed Conveyor to Mill Solid Rolls with gang hydraulic drives and underground lubrication
- Single Stand 4Hi Reversing Plate Mill with hydraulic centering and turntable to Entry End; Hydraulic Gap Control and Roll Balance and High Speed Roll Change; Centering to Exit Side; 2 x 5000kW DC motors driving the Work Rolls via articulated spindles
- Mill Control Cabin Automatic control package based on strip profile (details)
- IMS Messsysteme X-Ray Thickness Gauge
- Heavy Duty Hot Leveller 9 Roll Leveller (4 over 5) with pinch rolls to entry and exit; 2 x 2000kW AC motors
- Run Out Table to Cooling Bed
- Transfer Table to Cold Line with plate turnover fingers
- Edge Trimming Station with scrap chopping
- Cut To Length Shear Heavy Duty Shear with measuring device for plate up to 18 metres x 3.3 metres
- Run out Table and Magnetic Plate Lifters
- Roll Grinder 2008 XianJeng Model MK84200 x 80 CNC Roll Grinder with Siemens Control; Max distance bc 8000mm; Max diameter 2000mm; Serial Number 2008002
- Shear Blade Grinder 2008 Tianjin Jinji Model TMCNC 19/2 CNC Twin Column Type Edge Shear Profile Grinder; Siemens Control; Table Size 4000 x 500mm
- set of drawings available of the Mill.
- no spares available