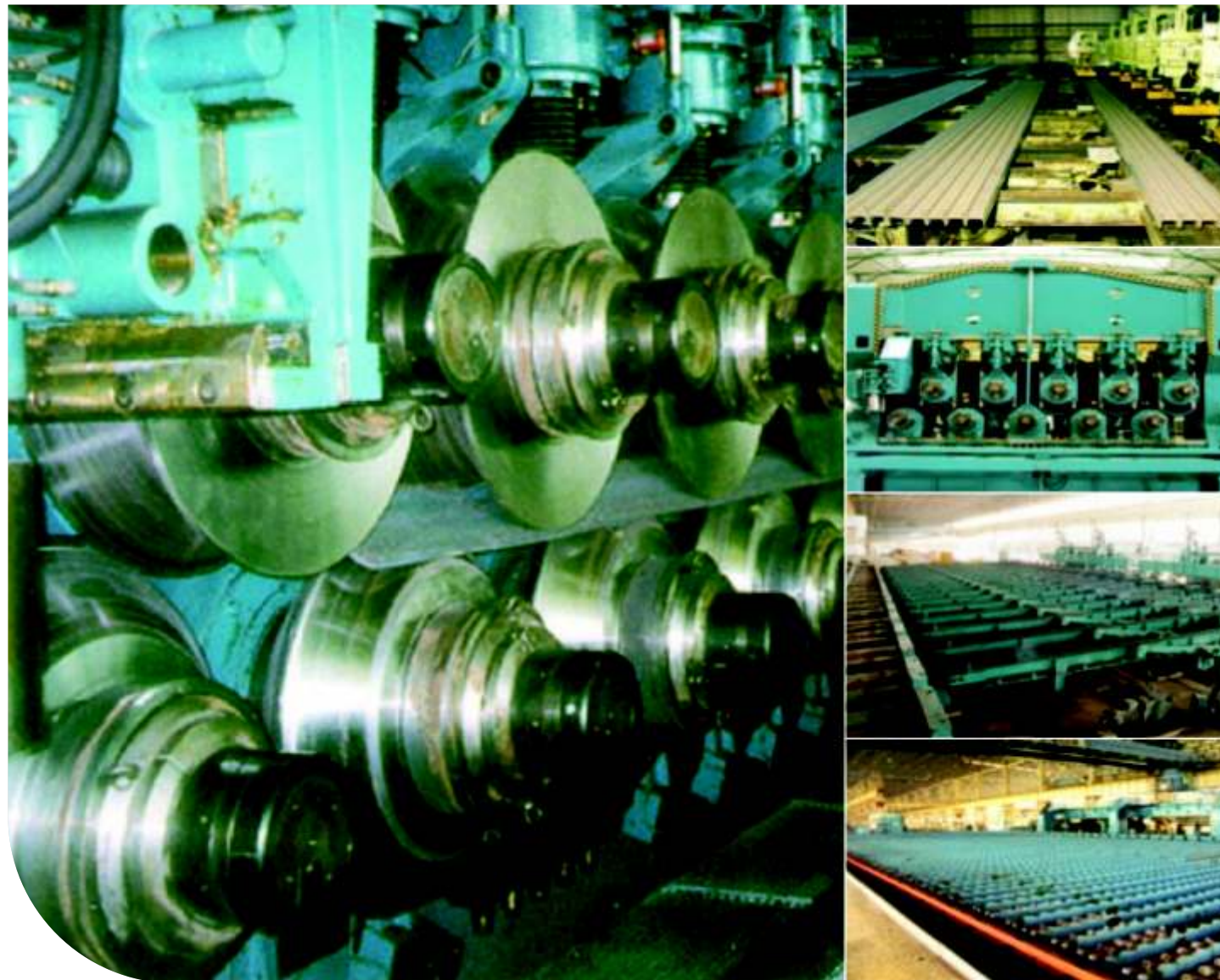


## Structural Steel Mill

Project Engineering • Supply • Services



## Structural Steel Mill

### Starting stock

- Blooms 180 x 180 x 8,000 - 12,000 mm  
300 x 300 x 8,000 - 12,000 mm

### Finished product

- Rebars 28 - 40 mm
- Rounds 30 - 100 mm dia.
- Hexagons 50 - 80 mm
- Flats 8 x 30 - 60 x 150
- H-Beams 100 - 180 mm
- I-Beams 100 - 200 mm
- T-sections 75 - 140 mm
- Channels 100 - 200 mm
- Angles 80 x 80 x - 200 x 200 mm
- U-type sections for mine timbering 18U, 25U, 29U

### Bundle/stack length

- 6 - 24 m

### Bundle/stack weight

- 2 - 5 t

### Furnace capacity

- 116/143 t/h

### Annual capacity

- 700,000 t/y

### Finishing speeds

- 6 m/s

### Material grades

- Carbon steels, Alloyed structural steel,  
Antifriction bearing steel

### Furnace group

- Elevator (for hot charging), charging grate,  
weighscale, descaler, insulated holding tunnel

### Mill train

- Single strand
- Roughing train 4 x Model 670, 1 x Model 760  
(V-H-HV-H)
- Intermediate train: 2 x Model 760, 4 x Model 670  
(H-H-H-UR-UR-HV)
- Finishing train: 5 x Model 670 (UR-HV-UR-HV-FUR)
- Associated shears
- Loopers: 4 x vertical

### Cooling bed group

- Water cooling line, pinch roll unit
- Cooling bed shear
- Cooling bed 84 x 19 m
- Short-bar collecting device

### Continuous finishing shop

- In-line straightening machine (10 rollers)
- Hot saws: 1 x stationary, 1 x movable
- Abrasive cutting machines: 1 x fixed, 1 x movable
- Piling and stacking facilities (magnet-type)
- Tying machines: 2 x stationary, 2 x movable
- Various associated equipment, e.g. stoppers, chain  
transfers, roller tables etc.

