

Small Section Mill



Design
Supply
Service



Small Section Mill

Technical data

- Starting stock
 - Billets 100 x 100 x 12,000 mm
200 x 200 x 12,000 mm
- Finished product
 - Rounds \varnothing 8 - 50 mm
and equivalent squares,
hexagons and rebars
 - Flats 38 x 5 - 100 x 15 mm
 - Angles (equal legs) 32 x 4 - 70 x 6 mm
 - Angles (unequal legs) 45 x 28 x 3 - 63 x 40 x 8 mm
 - Channels 50 - 80 mm
- Furnace capacity
 - up to 200 t/h
- Capacity
 - up to 1,000,000 t/y
- Finishing speeds
 - up to 20 m/s
- Material grades
 - Carbon steels, alloyed structural steel,
antifriction bearing steel, spring steel

Furnace group

- Charging grates (2x), weighscale, descaler, insulated holding tunnel

Mill train

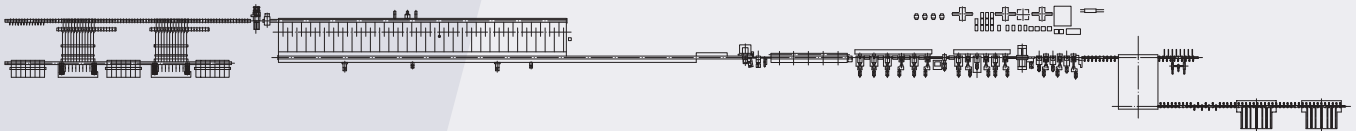
- Single strand, H/V- arrangement, 6 mill stands are of H/V-type
- Roughing train: 2 x Model 670, 4 x Model 440
- Intermediate train: 6 x Model 390
- Finishing train: 6 x Model 390
- Associated shears
- Loopers: 6 x vertical

Cooling bed group

- Water cooling line, pinch roll unit
- Cooling bed shear
- Cooling bed 102 x 13 m

Continuous finishing shop

- In-line straightening machine (10 rollers),
- Flying cold shear
- Piling and stacking facilities (magnetic-type)
- Tying machines
- Various associated equipment, e.g. stoppers, chain transfers,
roller tables, etc.



Medium Section Mill



**Design
Supply
Service**



Medium Section Mill

Technical data

- Starting stock
 - Blooms 180 x 180 x 8,000 - 12,000 mm
 - 300 x 300 x 8,000 - 12,000 mm
- Finished product
 - Rebars \varnothing 28 - 40 mm
 - Rounds \varnothing 30 - 100 mm
 - 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 mm - 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 stationary, 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.

