

Rolling mill equipment and rolls. Plate mills



According to the Customer's request NKMZ produces equipment for plate mills TJC2000...5000 as complex and as separate machines.

The following range is produced at mills:

- Structural steel;
- Low alloy steel;
- Boiler steel;
- Steel for shipbuilding;
- Steel for welded tubes of great diameter with strength category up to X90;
- Aluminum and alloys;
- Titanium and alloys.

Plate mill equipment comprises the main production mechanical equipment completed with hydraulic pneumatic lubrication systems, electrical equipment and automatization:

- Mechanical equipment of pusher type heating furnaces with walking beams and hearth;
- Working four-high mill stands;
- Hydraulic descaling system, metal heat treatment in the stream, equipment cooling;
- Hot sheet straightening machines;
- Cooling beds, disk inspection racks, with walking beams, with chain cables;
- Cutting mechanisms – guillotine shears, cross-cutting shears with sliding blade, edge trimming shears;
- Gearboxes for machines and mechanisms drives;
- Carry-over roller tables.

3000-mm plate mill specification:

Initial blank: slabs with dimensions:	
- thickness, mm	200-300
- width, mm	1250-1800
- length, mm	1500-3500
Sheets with finished dimensions:	
- thickness, mm	6-70
- width, mm	1500-2600
- length, mm	4-24