

EXTERNAL STATIONARY PIPE GRINDER



Pipes of larger diameters require sanding of the outer surface in order to remove scaling, surface defects, and to improve appearance of pipes. The pipe is placed in the machine on driven radial rollers, which are placed in the retainer basin. In the parking position next to the pipe, a mobile grinding unit equipped with sanding belts is prepared. After starting, the grinding unit travels cyclically along the rotating pipe and grinds the material with a constant supply of coolant. The sanded material is rinsed into the basin and transported from the basin using a worm shaft. Water with sanded material is filtered in three stages: Magnetic filter, bag filter and mechanical separator. Solid residues are stored in a pallet and the filtered water is repeatedly used for grinding. After grinding, the pipe is removed with an overhead crane.

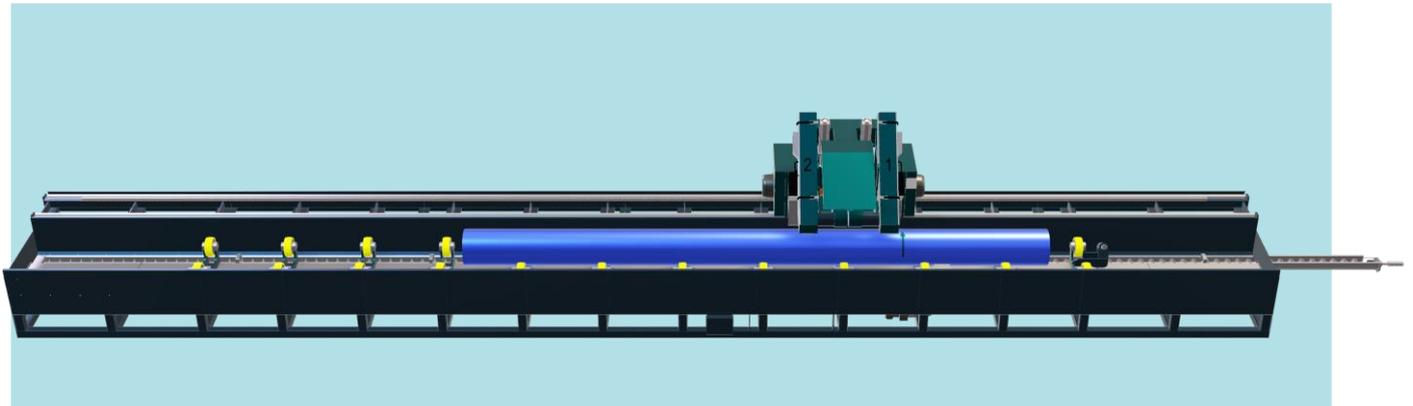


Technical parameters of the machine

Pipe diameter:	200 – 600 mm
Pipe length:	3 000 – 16 000 mm
Material removal:	Up to 0,5 mm in one cycle
Sanding belts:	150 x 3 000 mm
Pressure of sanding belts:	pneumatic
Sanding belt tensioning	pneumatic
Grinding speed:	30 m/s
Sanding belt replacement:	in the parking position of the grinding unit there is a platform for easy access to the sanding belts
Control panel with display:	placed on the mobile grinding unit



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Other equipment of the machine

- Continuous regulation of the abrasive speed of the belts
- Handling girder for inserting and removing pipes into and out of the machine.
- Manual ultrasound tube wall thickness measurement.
- Extended visualization with an emphasis on intuitive and detailed display of operating states and the place of failure of the grinder.
- Extended service with the possibility of displaying guides, service manuals and other necessary documentation on HMI machines in order to minimize service times.
- Collection of agreed production parameters with automatic saving, display and data export.

