



BOSSI

MACHINES FOR METAL FINISHING

GRINDING AND POLISHING MACHINES

FOR CYLINDRICAL SURFACES (TUBES, BARS, HYDRAULIC CYLINDER RODS)

MOD. F1



- **CHARACTERISTICS** • This model has been specially designed for grinding and polishing thick wall tubes, medium-sized bars, hydraulic cylinder rods and different cylindrical surfaces made of ferrous (steel, stainless steel) and non-ferrous material (aluminium, brass, synthetic materials, cardboard).
The working units operate above the piece which is supported by a roller conveyor.
All the structure of the machine is particularly rigid and designed in order to eliminate any source of vibration.
Working is made by abrasive belts and/or polishing mops.
Control and feeding of piece is made by pinch-rolls controlled by gear motors; stepless adjustment of feeding speed by inverter.
All the mechanisms are protected with fixed and movable parts; a better cleaning of the machine is obtained by a self-washing system that can be used by the operator according to his requirements.
Automatic compensation of working pressure installed on all the units independently of each other.
Centralised greasing equipment with manual block periodically operated by the machine technicians.
Electronic control of working cycle by PLC, with automatic positioning and possibility of storing the worked diameters and their working speeds; self-test with storage of possible alarms shown on the display and on-line teleassistance system.
The machine is provided with soundproof and protection cabin and it is supplied completely in conformity with CE norms.
Depending on the type of work to be made, we'll be glad to submit you the most suitable solutions based on our decades-long experience in different fields.





Working capacity	\varnothing mm. 16 ÷ 219 (tubes) - \varnothing mm. 16 ÷ 120 (bars) min. length mm. 3000
Abrasive belt size	mm. 3000 x 200 (or 150)
Abrasive belt or polishing mop motors	kW 7,5 - 11 - 15 or 22
Contact roll or polishing mop	\varnothing mm. 400 x 200 (or 150) \varnothing mm. 500 x 200 (or 150)
Stretcher roll	\varnothing mm. 365 x 210 (or 160)
Pinch-roll	\varnothing mm. 200 x 150
Pinch-roll motor	kW 0,75 - 4 Poles
Support rolls	\varnothing mm. 200 x 45 or \varnothing mm. 150 x 35
Motor for unit lifting / approaching	kW 0,18 - 8 Poles
Average acoustic level	80 dBA

• TECHNICAL DATA •



BOSSI S.r.l. - Macchine Finitura Metalli
Via Dante, 63 - 20081 Abbiategrasso (MI) - ITALY
Tel.: +39.02.94964141 - Fax: +39.02.9466265
info@bossi-srl.com - www.bossi-srl.com



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