



BOSSI

S.r.l. - Macchine Finitura Metalli

MACHINES FOR METAL SURFACE FINISHING

**GRINDING MACHINE
FOR CYLINDRICAL
SURFACES**

MOD. SF 3000/200

**NEW
PRODUCT**



BOSSI S.r.l. -
Macchine Finitura Metalli
Via Dante 63
20081 ABBIATEGRASSO (MI) - ITALY

Tel.: +39-02-94964141
Fax: +39-02-9466265
e-mail: info@bossi-srl.com
<http://www.bossi-srl.com>



Grinding and polishing line Mod. SF 3000/200/6U + CP 500/3U-200 with 6 belt units and 3 mop units, complete with automatic loader, inlet/outlet roller conveyors and unloader

GRINDING MACHINE FOR CYLINDRICAL SURFACES MOD. SF 3000/200

The new model SF 3000/200 is the development of the traditional centreless machine. After many years of experience in this field, Bossi s.r.l. designs and produces a new machine suitable to grinding, brushing and polishing of cylindrical surfaces.

This model includes several advantages in comparison with the traditional centreless machines: higher speed (18÷20 mt/min.), less maintenance, simple adjustment for diameter change.

Detail of head and pinch-roll



Detail of hood and inclined base

GRINDING MACHINE FOR CYLINDRICAL SURFACES MOD. SF 3000/200

TECHNICAL DATA

• Working capacity	Ø mm. 10 ÷ 100
• Abrasive belt size	mm. 3000 x 200
• Contact roll	Ø mm. 400 x 200
• Feeding roll	Ø mm. 200 x 200
• Stretcher roll	Ø mm. 365 x 210
• Abrasive belt motor	kW 7,5 – 11 or 15
• Feeding roll motor	kW 0,55 – 4 Poles (with speed adjustable by inverter)
• Motorised adjustment of head and feeding group	kW 0,18 – 4 Poles
• Motorised adjustment of support blade	kW 0,12 – 4 Poles

MAIN FEATURES AND ADVANTAGES:

- The working unit is hung, in the upper part, by means of a joint system; this avoids the working unit slides to be dipped into water and emery. All the mechanical parts in motion and the motors have been placed in dry areas, protected from water.
- The drainage of working slurries is guaranteed by an inclined base and by a washing equipment which always assure the cleaning, thus reducing the maintenance operations and the machine stops caused by dirt.
- The working units are provided with pneumatic retraction in case of abrasive belt rupture or possible emergency, so that pieces and contact rolls are protected from damages.
- With this type of machine, the life time of abrasive belts is higher than 20% in comparison with the traditional centreless machines.
- The machine can be provided with an automatic system for controlling the working pressure.
- Some parts of the machine are made of stainless steel as standard.
- Varnishing of the structure with epoxidical paint having a very high resistance.
- The working speed tested on the model SF 3000/200 during grinding operation, on a stainless steel tube Ø 42.4 mm., has been 15 mt/min. with a good finishing degree and no helix appearing on the ground surface.
- The machine can be supplied with different driving systems of pieces to be worked such as roller conveyors, V-guides with special coating against scratches, or vibration conveyors for short pieces, and it can also be equipped with automatic systems for piece loading/unloading.



MOD. SF 3000/200/6U with 6 belt units
Driving system of pieces to be worked:
V-guides



MOD. SF 3000/200/6U + CP 500/3U-200
with 6 belt units and 3 mop units
Driving system of pieces to be worked:
roller conveyor with pneumatic pinch-rolls

