

BOSS S.r.I. - Macchine Finitura Metalli

MACHINES FOR METAL SURFACE FINISHING

CENTRELESS GRINDING / POLISHING MACHINES FOR CYLINDRICAL SURFACES

MOD. CPS 400/3000 AND MOD. CP 500







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Grinding line Mod. CPS 400/3000/6U with 6 belt units, complete with automatic loader, inlet / outlet roller conveyors, automatic unloader and tube wrapping line



CENTRELESS GRINDING AND POLISHING MACHINES FOR CYLINDRICAL SURFACES

The traditional centreless machines for grinding and polishing tubes, bars and cylindrical parts with small - medium diameters, available in various configurations for meeting the different working requirements.

The model CPS 400/3000 is used for wet grinding by means of belt units, whereas the model CP 500 is provided with mop units for dry polishing with the addition of solid or liquid abrasive compound.

Our production also includes the model CPS 100, the smallest of our range, for diameters from 6 up to 80 mm.

The machines can be provided with different piece driving systems, automatic devices for loading and unloading, electronic control by PLC, protections against accidents or soundproof cabins complying with CE norms and automatic tube wrapping lines.

<image>



Detail of mop unit, aluminium roller conveyor along the machine and pinch-roll with double wheel



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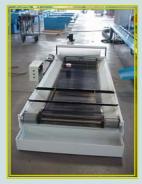
MACHINES FOR METAL SURFACE FINISHING











Filtering group for the emulsion

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CENTRELESS GRINDING AND POLISHING MACHINES FOR CYLINDRICAL SURFACES



V-guides, covered with bristles against scratches, with upper holding blades

Revolver loader for pieces

with small diameters

Automatic bundle loader and roller conveyor Mod. H made of aluminium

for pieces with lengths

from 3 up to 8 meters



Vibration conveyors for very short pieces



Hopper loader for medium-short pieces

PIECE LOADING AND



Automatic unloader with table



Compass roller conveyors Mod. L, with rolls Ø 70 mm. and motorised pressing roll with double wheel



Unloader for medium-short pieces



Unloading table covered with bristles against scratches

TECHNICAL DATA	
Working capacity	Ø mm. 10 ÷ 200
Abrasive belt size	mm. 3000 x 150 or 200
Contact roll	Ø mm.400 x 150 or 200
or polishing mop	Ø mm.500 x 150-200 or 250
• Feeding roll	Ø mm.200 x 150-200 or 250
Stretcher roll	Ø mm.365 x 160 or 210
Abrasive belt or polishing mop motor	kW 7,5 – 11 or 15
Feeding roll motor	kW 0,55 – 4 Poles
Motorised adjustment of head and feeding group	kW 0,18 – 4 Poles
Motorised adjustment of support blade	kW 0,12 – 4 Poles

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