Prima XL PLC



compact design

customizable control

EC Norm compliant

management operations

mechanical resistance

more productivity

rubber and polymer

Like the PRIMA PLC, it allows all the above described operations on sleeves and rollers with rubber or techno-polymer coating on bigger dimensions up to:

- 8 [m] width between the centers (equipped with handling tools sized for the purpose of supply)
- Max dia. 600 [mm]

Solid stiffened electro-welded steel structure, more powerful motors, newly re-sized components and the assembly with new high precision guides keep the tolerance of the rubber surface within 0,02 [mm] even for such big rollers.

structure

- Solid structure in painted steel
- Linear precision guides with a reduced range for working head sliding
- Two independent working heads for roughing and grinding
- Quality mechanical and electronic parts
- 10.4" touch screen panel with customisable software
- Tools developed to guarantee high production yield

specifications

Machine colour	Red RAL3000 and White RAL9002 Other colours available on request
Length [mm] Prima XL-PLC Mod. 200 - 250 - 300 - 400 - 450	5.000 - 5.500 - 6.000 - 6.500 - 7.000 - 7.500
Width [mm]	2.500
Height [mm]	2.000
Weight [Kg] Prima XL Mod. 200 - 250 - 300 - 350 - 400 - 450	5.500 - 6.400 - 7.300 - 8.500 - 9.750 - 11.000
Useful distance between the points [mm] Mod. 200 - 250 - 300 - 350 - 400 - 450	2.000 - 2.500 - 3.000 - 3.500 - 4.000 - 4.500
Maximum table stroke [mm] Mod. 200 - 250 - 300 - 350 - 400 - 450	2.000 - 2.500 - 3.000 - 3.500 - 4.000 - 4.500
Height of points [mm]	520
Maximum diameter of the rotating piece [mm]	550
Maximum diameter of the piece to grind [mm]	500
Maximum weight of the piece assembled between the points [Kg]	800
Piece rotation speed [RPM]	0 - 500
Grinding wheel mandrel rotation speed [RPM]	1.650
Tailstock Taper Cut	Morse 6
Grinding wheel advancement range [mm]	0 - 400
Undercutting tool advancement range [mm]	0 - 400
Grinding wheel advancement hand-wheel minimum resolution for manual command [mm]	0,001
Abrasive grinding wheel drive	4 kW AC 3Ph
Piece holder rotating head drive	Brushless 62,5 [Nm]
Drives: movement of the head-support trolley/ movement of the grinding wheel/tool axes	3 x Brushless 8,4 [Nm]
Accessories included	1 Lathe carrier per type D.35-D.50-D.80-D.110 [mm] - Total 4 Pieces

	n°1 Mola abrasiva 400x127x40 [mm] completa di flangia, albero per equilibratura mola
	1 Round knife tool for roughing and tool-holder
	1 Tool for abrasive grinding wheel dressing and tool-holder
	1 Fixed tailstock - 1 rotating tailstock
Optional equipment	Manual equipment for static balancing of the abrasive grinding wheels
	Bellows in special rubber-coated, oil-proof cover for the linear guides
	Manual, four-position, rotating tool-holder tower
	Configuration for working with water (to order with the machine and not retrofittable); includes a single action purification system with filtration belt in non-woven fabric, bellows in special, rubber-coated, oil-proof cover for the guides l
	Internet connection module for remote support

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