

Prima Grinder 150 Metal Print



compact design



customizable control



EC Norm compliant



management operations



mechanical resistance



more productivity



rubber and polymer

PRIMA GRINDER 150 Metal Print represents the evolution of the Rossini range for grinding and machining elastomer-covered rollers used for coating metal or aluminum sheets in the Metal Packaging industry. Designed as a high-precision cylindrical grinding machine, the 150 Metal Print is in fact a complete machining center for the creation of coating reserves and (optional) spot coating applications. Rossini's proprietary software directly converts CAD/CAM designs into tool paths, ensuring micron-level precision in milling operations. The PRIMA GRINDER 150 Metal Print combines high precision, repeatability, and optimized consumption of coatings and primers with an operator-friendly interface for immediate use in production. It can also be integrated with company management systems. CE certified and compliant with Industry 4.0 and 5.0 requirements (Digital and Green Transition).

PLUS

- 2-in-1 versatility: Cylindrical grinding and precision milling in a single workstation, enhanced by the Spot Coating option
- Production efficiency: Complete part processing with a single roller setup
- Quality and flexibility: Pre-set recipes accessible by the operator or remotely (MES) via product code
- Safety and sustainability: Safe operations for the operator and optimized consumption of primers and coatings during the coating process

structure

- Solid structure in painted steel
- Linear precision guides with a reduced range for working head sliding
- Two independent working heads for grinding and milling
- 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] | 4,030 |
| Width [mm from operator panel to suction connection] | 2,350 |
| Height [mm] | 1,850 |
| Weight [Kg] | 5,000 |
| Useful distance between the points [mm] | 1,700 |
| Travel of moving table [mm] | 1,500 |
| Height of points [mm] | 450 |
| Maximum diameter of the rotating piece [mm] | 400 |
| Maximum diameter of the piece to grind [mm] | 400 |
| Maximum weight of the piece assembled between the points [Kg] | 350 |
| Piece rotation speed [RPM] | 0 - 500 |
| Grinding wheel mandrel rotation speed [RPM] | 1,650 |
| Tailstock Adjustment [mm] | 600 |
| Abrasive grinding wheel drive | 4 kW AC 3Ph |
| Piece holder rotating head drive | Brushless 25 [Nm] |
| Drives: movement of the head-support trolley/ movement of the grinding wheel/tool axes | 3 x Brushless 8.4 [Nm] |
| Included accessories assembled on the machine | 1 Abrasive grinding wheel 400x127x40 [mm] with flange, shaft for grinding wheel balancing |

1 Tool for abrasive grinding wheel dressing and tool-holder

1 Fixed tailstock - 1 rotating tailstock

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