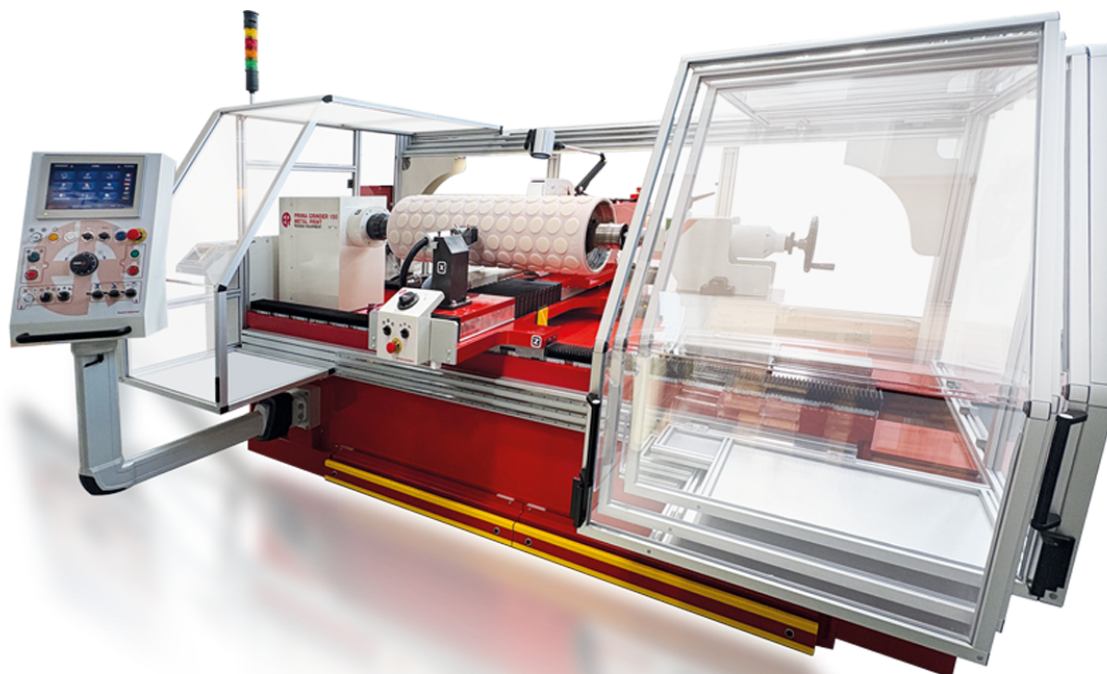


# Prima Grinder 150 Metal Print



compact  
design



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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**Rossini World**  
Italy • France • Spain  
Germany • United Kingdom  
Romania • Brasil • China  
United States • India

**Rossini S.p.A. HeadQuarters**  
Via de Gasperi, 5  
20027 Rescaldina - Milano - Italy  
Tel. +39 0331 47 27 11 - Fax +39 0331 57 97 46  
comm.dept@rossini-spa.it

**WWW.ROSSINI-SPA.IT**