

# Internal Tube Polishing Machine

English Product Datasheet | 1 October 2026

Internal surface finishing for straight, open-ended stainless-steel tubes and cylindrical sections. A travelling polishing assembly works with an adjustable roller table and controlled workpiece rotation.

| Item                              | Published Specification                            |
|-----------------------------------|----------------------------------------------------|
| Workpiece diameter                | 350-1,000 mm                                       |
| Maximum polishing length per pass | 3,000 mm                                           |
| Machine dimensions (L x W x H)    | 4,200 x 1,600 x 2,000 mm                           |
| Machine weight                    | 2,500 kg                                           |
| Main motor power                  | 4 kW                                               |
| Roller table                      | Adjustable, 1 ton                                  |
| Support rollers                   | 6 polyurethane rollers, each 150 mm diameter       |
| Roller-table drive                | 370 W motor + NMRV050 reducer                      |
| Reducer ratio                     | 1:80                                               |
| Motion control                    | VFD control for beam travel and workpiece rotation |
| Compatible consumables            | Replaceable flap wheels and cloth wheels           |

## Workpiece Fit and Finish

Specify inside and outside diameters, total length, required polishing length, weight and material. Identify internal steps, fittings and end restrictions so tooling access and support positions can be reviewed.

Select flap wheels or cloth wheels for the starting surface and target finish. Define appearance or roughness acceptance and the inspection method. Finish and cycle time require confirmation on the actual part or a representative sample.

The diameter range above is the published workpiece range; the page does not identify it as ID or OD. Confirm both dimensions. A 3,000 mm polishing length per pass does not establish the capability for longer parts or restricted bores.

Prepared from the specifications on the product page. This datasheet is not an installation drawing or an operating manual. The supplied configuration is defined by the technical agreement.