

## SUCCESS STORY

### Revamp to Speed Finisher of Superfinisher, 31179

#### Machine details (before revamp)

OEM / Brand / manufacturer:	Supfina
Control System:	manual
Max. roll length:	2.000 mm
Max. roll diameter:	120 mm
Max. roll weight:	200 kg

#### Description of Project:

A new Speedfinisher was installed and integrated on the existing Supfina polishing machine. The existing machine was completely mechanically and electrically refurbished at sba and equipped with a Supfina Speedfinish unit. The entire installation was delivered as a "new machine" incl. all necessary confirmations and declarations and was put into operation by the customer. The control of the entire machine (roll turning speed, feed device and Speedfinisher) was installed in a new central electrical cabinet. After the modernisation, operation takes place at a central operator panel, and the input of production parameters was realised with software specially developed by sba for this application. The HMI visualisation was developed together with the customer and specifically tailored to their wishes. The required safety equipment as well as protective fences and entrance monitoring systems were manufactured in compliance with CE standards.

#### Scope of Supply:

- Refurbishment of the existing polishing machine
- Equipping with new linear guideways, ball screw drives and gears
- Adaptation for the attachment of the Speedfinisher
- Integration of a dust exhaust system for dry grinding
- Wedge shoes
- Covers
- New paint
- Electrical cabinet
- Central control for polishing machine and Speedfinisher
- Central control panel swivelling on headstock
- Axis and spindle drive controllers
- Axis and spindle motors
- Cable chains
- Machine cabling
- Potential equalisation and earthing
- Sensors
- Safety control
- "Emergency stop" system
- CE declaration of conformity

#### Condition after finished job:

The machine is now able to perform several grinding cycles on one roller fully automatically. The pressure adjustment of the grinding head is also possible during the grinding process.

**Condition before job:**



**Condition after finished job:**



**Condition before job:**



**Condition after finished job:**



**Condition before job:**



**Condition after finished job:**

