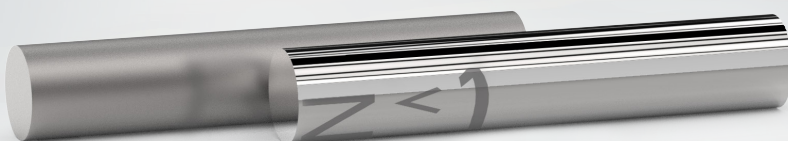
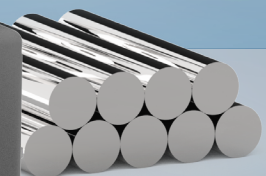


SIMPLY FAST BURNISHED

Precise finishing of external diameters
of cylindrical workpieces



$Rz < 1$



SIMPLY-FAST BURNISHED

Precise finishing of external diameters of cylindrical workpieces

STEPLESS SPEED ADJUSTMENT

Rotation speed adjustable to suit your application



MANUAL DIAMETER ADJUSTMENT

Quick adjustment to the previous diameter with a digital display

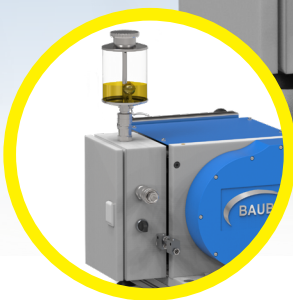


SETUP MODE

Set up mode with changing rotation direction

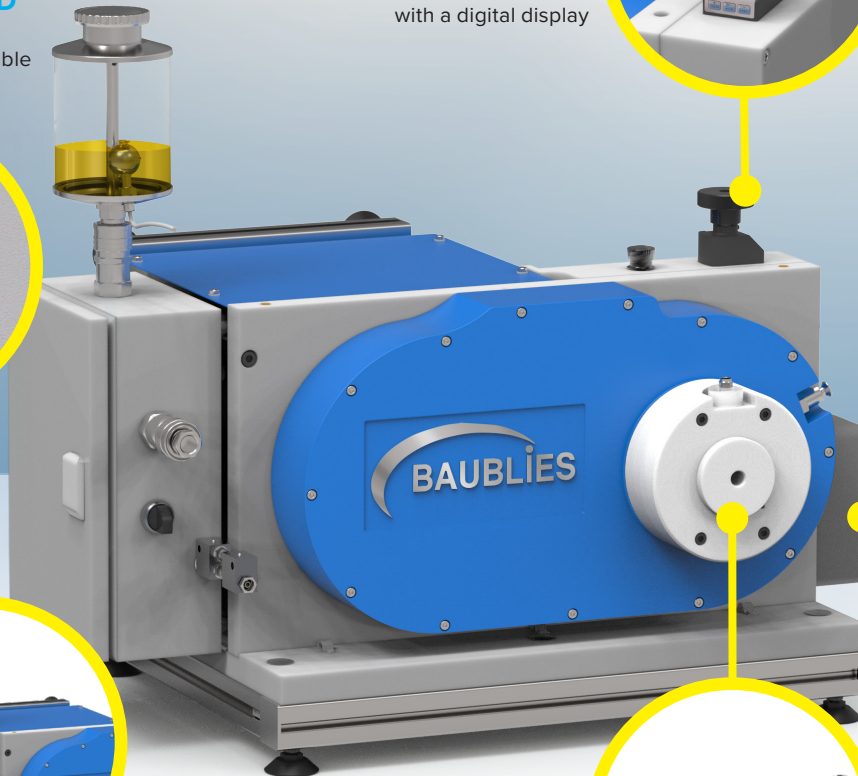
MINIMAL-VOLUME LUBRICATION

Always the right lubrication for your workpiece



QUICK TOOL CHANGE/ ROLLER CHANGE

Roller change in just a few minutes



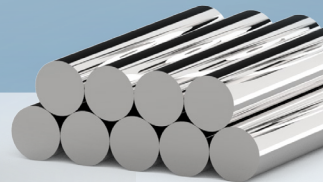
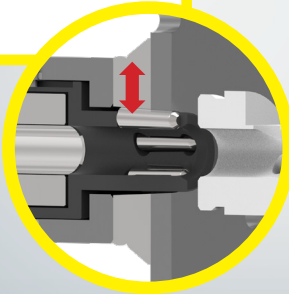
YOUR ADVANTAGES:

- Maximum process reliability
- Surface roughness less than $R_z\ 1\ \mu\text{m}$
- Machining in a matter of seconds
- High cost-effectiveness
- Robust machine frame
- Simple and efficient operation
- Minor variations in the diameter of the workpiece can be compensated

The **STURDY HOUSING** is optimized for installation in facilities and for automation

COMPENSATION DIAMETER VARIATION

Adjustable for your application



BAUBLIES ROLLER BURNISHING MACHINE

The Baublies roller burnishing machine was developed for high-precision machining of the outer diameter of cylindrical workpieces ($\varnothing\ 3\text{--}25.4\ \text{mm}$).

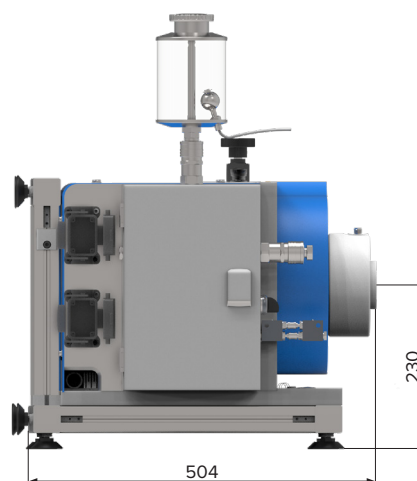
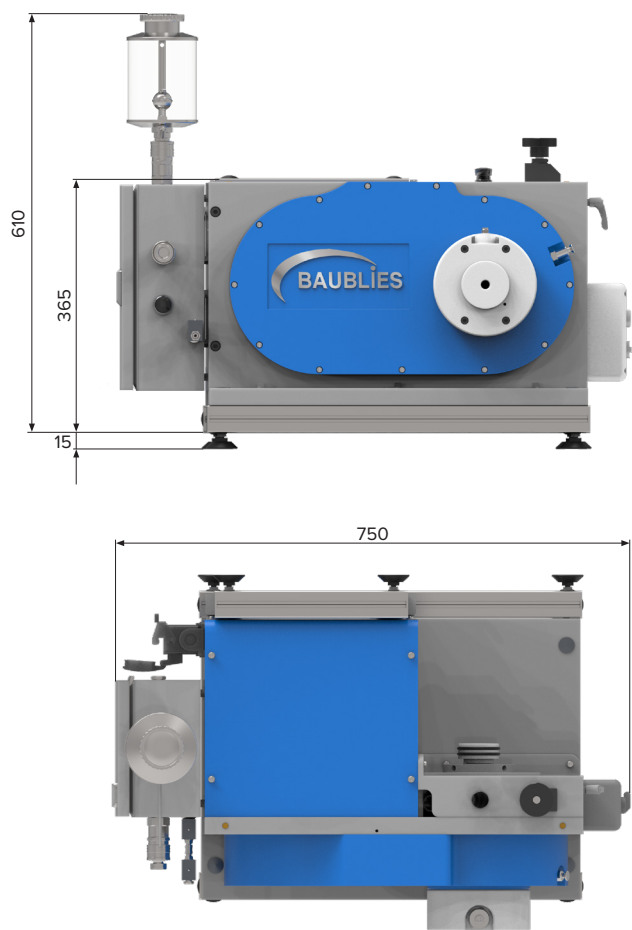
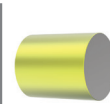
The workpiece diameter range is manually adjustable; machining is performed in a continuous-feed process. The driven tool enables surface roughness values of less than $R_z\ 1\ \mu\text{m}$ to be achieved.

Thanks to its ergonomic design and compact dimensions, the machine is particularly well-suited for flexible use within the manufacturing process. The roller burnishing machine can be integrated into an automated manufacturing process.

The machine features a self-feeding mechanism. The optimal speed can be selected based on the workpiece diameter and length. A particularly convenient feature is the simple adjustment of the target diameter via a handwheel.

Roller burnishing machine for external diameters of cylindrical workpieces

Ø 3–25.4 mm



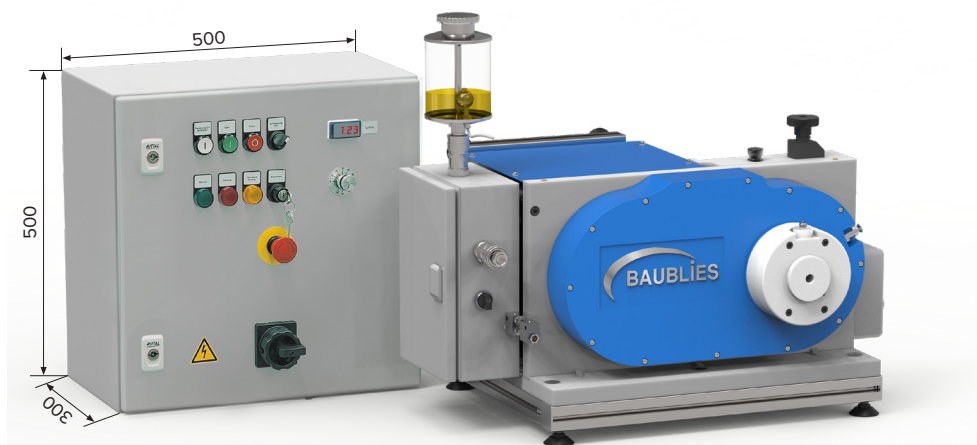
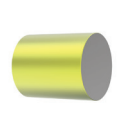
Technical details	
Application	shafts in through-feed method
Durchmesserbereich	3–25.4 mm stepless adjustable
Speed	stepless up to 1500 rpm
Electrical connection	three phase 400 V, 50 Hz, 16 A
Dimensions	750 × 520 × 625 mm
Weight	approx. 120 kg
Sound level	< 70 dB(A)

Intended Environmental Conditions	
Surrounding temperature	+5° C bis +40° C
Protection class	IP 54
Installation location	Even, dry, vibration-free
Atmosphere	non-corrosive, non-flammable

Application parameters	
Please note that this information represents standard values which must be adapted to the individual cases.	
Workpiece allowance	up to 0.02 mm
Lubrication	oil
Pre-machining of workpiece	Surface roughness R _z 15 µm, Tolerance IT8 or better
Maximum hardness of the workpiece	up to 45 HRC

Roller burnishing machine for external diameters of cylindrical workpieces

Ø 3–25.4 mm

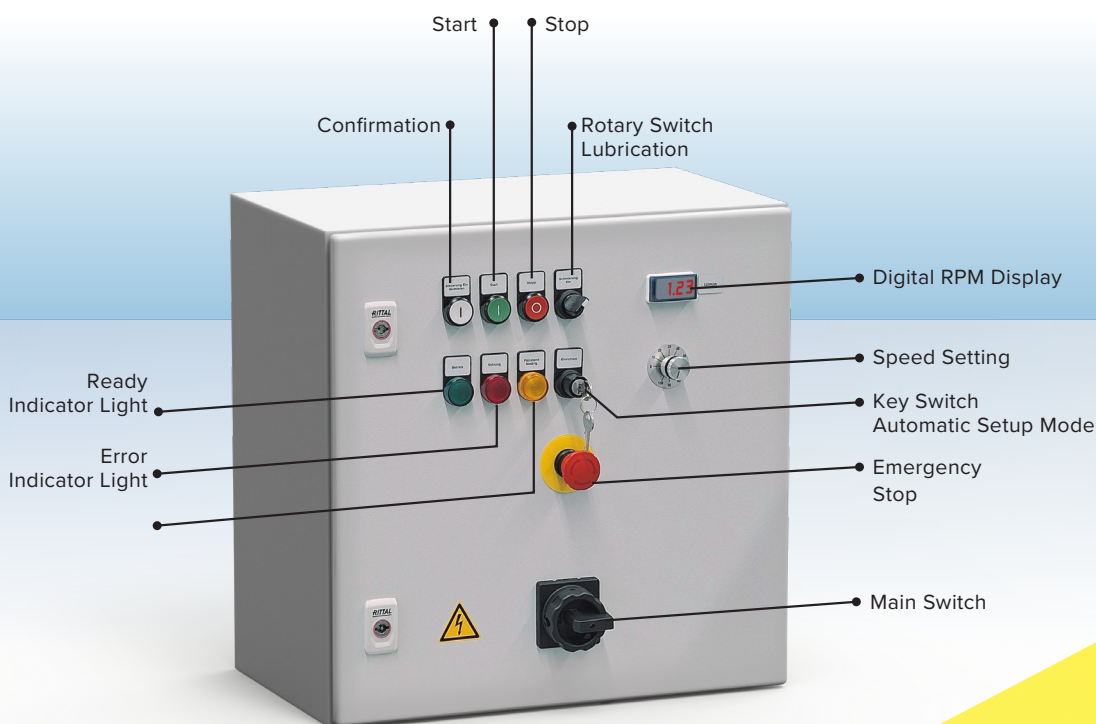


Control system of the roller burnishing machine

With its newly developed control system, the roller burnishing machine is optimally prepared for use in your facility. The freestanding control unit can be positioned directly at the location that works best for you, independently of the machine. This ensures that your facility's safety devices are not obstructed.

The clearly laid-out control system allows for easy operation of all the machine's functions—whether it's start/stop, activating the lubrication system, or continuously adjusting the speed—all in one place.

The control system also features several indicator lights, ensuring you're always fully informed about the status of your roller burnishing machine.





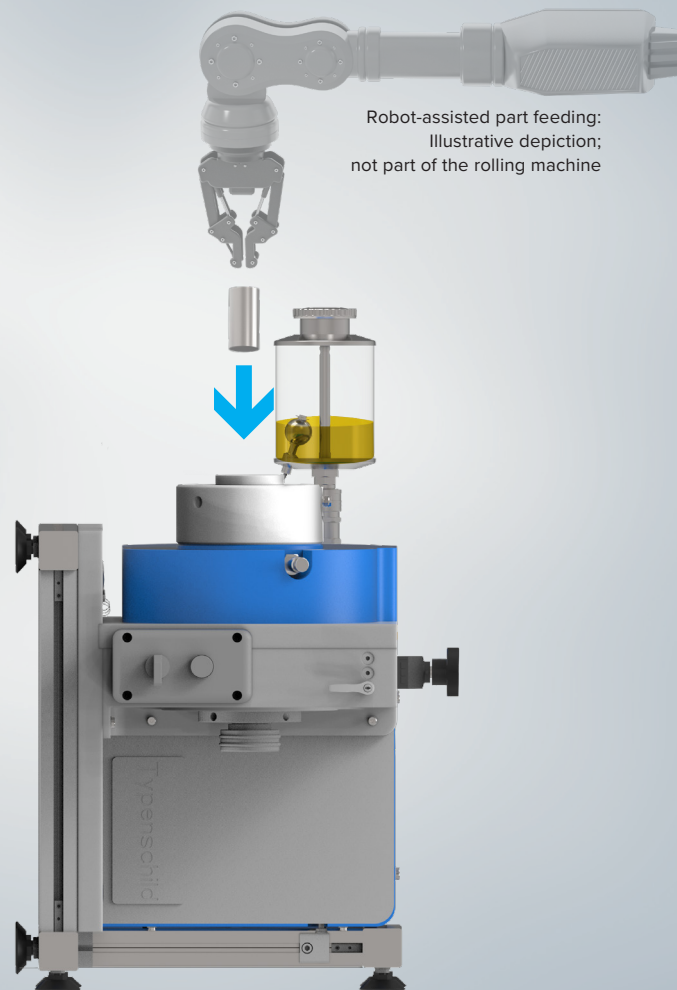
Orientation of the roller burnishing machine

The roller burnishing machine can be used both horizontally and vertically:

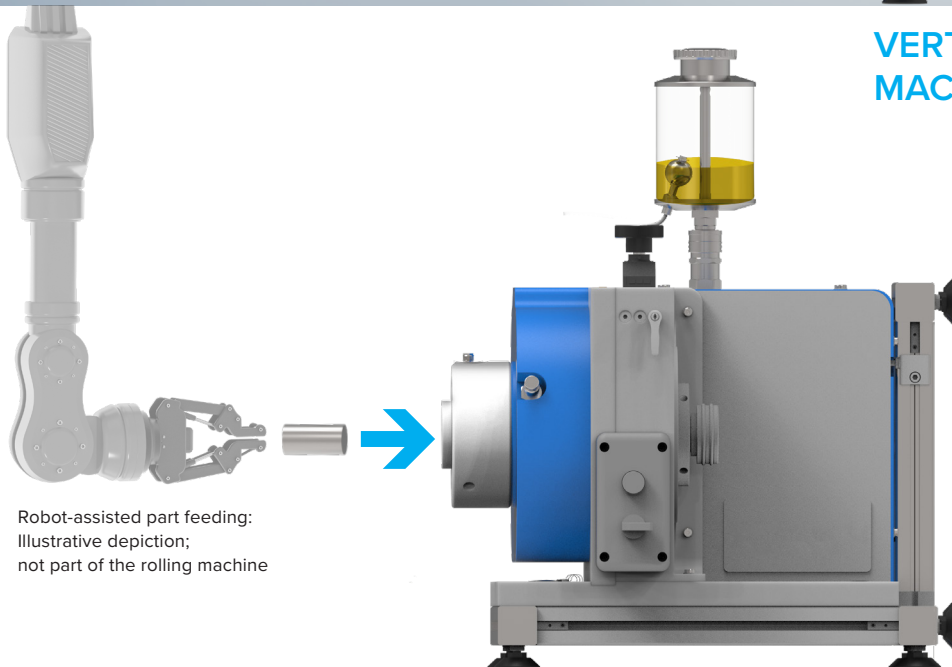
- Place the roller burnishing machine on the appropriate feet
- When using the machine vertically, first remove the oil reservoir and reinstall it in the control cabinet in a vertical position.

ATTENTION!

The roller burnishing machine cannot not be operated manually; it must be loaded automatically.



Robot-assisted part feeding:
Illustrative depiction;
not part of the rolling machine



Robot-assisted part feeding:
Illustrative depiction;
not part of the rolling machine

VERTICAL MACHINING

HORIZONTAL MACHINING