

# ▶ Cost-effectively produce surfaces!

## Inexpensive superfinishing machine for small- and mid-size lots.

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<sup>04</sup> Supfina is the worldwide leader in machine manufacturing and know-how consultation when it comes to reliably and cost-effectively producing the highest quality surfaces and geometries.

Whether in the roll industry, automotive industry or medical industry the huge success of Superfinishing would have not been achievable without cost-effective manufacturing methods

With superfinishing technology, also sometimes termed "microfinishing", you can systematically better the surface structure and geometry of cylindrical workpieces.

Manufacturers also have the demand for planar, spherical, mirror-finish and brush deburr work to be done.

Supfina Grieshaber offers incredibly flexible and cost-efficient custom production solutions for these market segments with



centers, colleted, 2- or 3- jaw chucked or with a mandrel. With an available between-centers width of 4.9' you can also finish truck camshafts, work rolls; for example for the steel or print industries. The finishing attachments (stone, tape, brushes) can be held in a multi-tool holder or can be positioned stationary on the CNC axis.

the **LCT1000eco**. This compact finishing center can accept pieces up to 3.25' in length and 9" in diameter either between

### Supfina LCT1000eco

- Tape finishing
- Stone finishing
- Brush deburring
- Flat finishing
- Ball finishing



Changeover can be completed in a matter of minutes.

Depending on the attachment either superfine oil or an emulsion coolant can be used. Also possible would be a low-volume coolant or Supfina DRYFINISH® system.

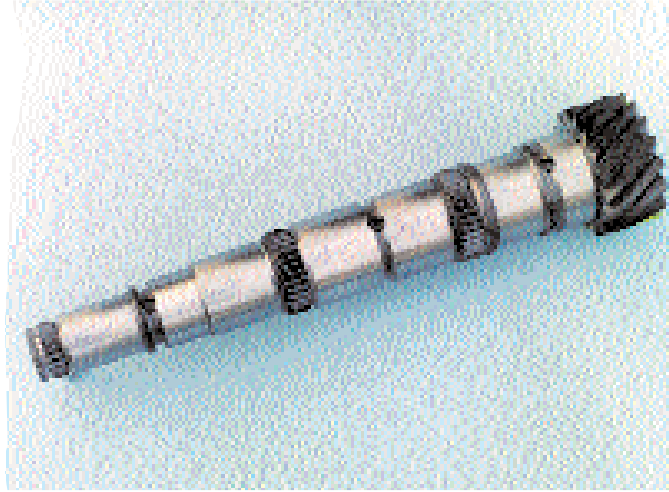
The workpieces can either be loaded by a carrier or directly into the machine by hand. After the safety doors are closed the programmed work cycle starts automatically.

Through a stable, developed process you can take a turned, ground, formed or coated work piece and turn it into finished, ready-for-installation part.

Depending on throughput and finishing concept the **LCT1000eco** can also be loaded by a gantry system or robot.

The **LCT1000eco** satisfies the demands of manufacturers in today's highly competitive market.

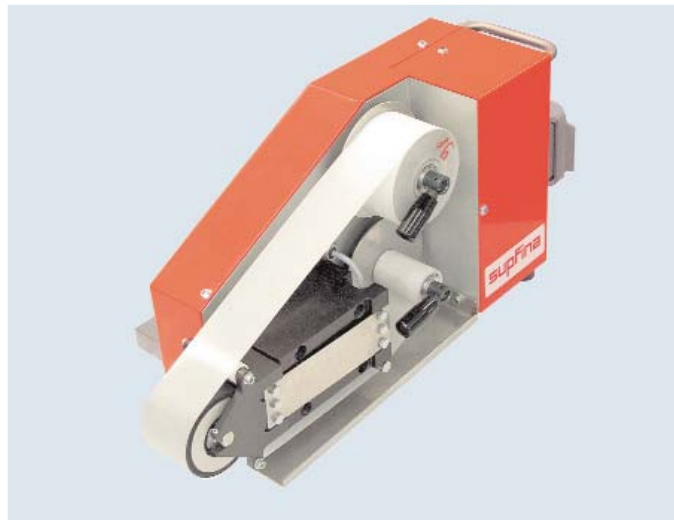
The machine comes complete with everything needed, including precision spindle bearings, automatic central lubrication, integrated coolant system, an easily programmable open-interface CNC control (ex. Siemens 810 D) and an attachment from the SUPFINA Lean Systems line (ex. SUPFINA 211).



#### Beispiel **Bandfinishen**

- Surface finishing
- Roundness
- Waviness
- Bearing ratio

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#### LeanSystem **Supfina 211**

- Tape finishing
- Oscillation control
- Tape advancement control
- Constant tape advancement speed

► To cost-effectively produce surfaces means to get a turnkey production-ready machine from Supfina Grieshaber with guaranteed availability and the lowest follow-up costs.