CASE HISTORY Air Conditioning
On Mikron Multistar CX-24

UNBEATABLE PRECISE PERFORMANCE AND SPEED
The Multistar CX-24 controls spindle movements with linear curves. The quickly interchangeable control curves provide processing flexibility, and 24 additional intermediate stations enable measuring, flipping over of the workpiece - also in different shape, monitoring and cleaning procedures in the processing cycle.

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**The challenge**
- **50+50 million parts per year**
- 2 pieces made in SUS03 steel, with turning, drilling & deburring operations
- Tolerances: 2.5µm roundness / ±10µm Cmk 1.67 (systematic sampling 10%)

**The traditional solution**
- Production area: **5000 m²**
- Required machines: **130**
- Efficiency: **80-85%**
- 26+26 employees (2 shifts)
- Operations in different clampings:
  - Turning 1st and 2nd phase
  - Drilling-milling on mill-turn-machines
  - Loading/Unloading manually

**Mikron: The innovative solution**
- Production area: **850 m²**
- Required machines: **9 Mikron CX-24 + 10 lathes**
- Efficiency: **85-90%**
- 8+8 employees (2 shifts)
- Operations in different clampings:
  - Mainly in 1 single clamping
  - Loading-unloading mainly automatically

**Your advantage**
- **Production area**: -83%
- **Machines**: -86%
- **Efficiency**: +5%
- **Employees**: -70%