

CASE HISTORY Air Conditioning

On Mikron Multistar CX-24

Downsize your production costs!



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:

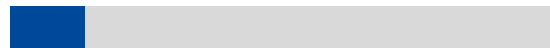
- Turning 1th and 2nd phase
- Drilling-milling on mill-turn-machines
- Loading/Unloading manually

Mikron: The innovative solution

Production area: **850 m²**



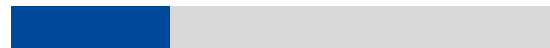
Required machines: **9 Mikron CX-24 + 10 lathes**



Efficiency: **85-90%**



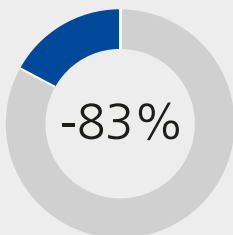
8+8 employees (2 shifts)



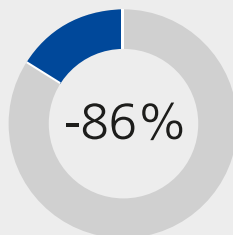
Operations in different clampings:

- Mainly in 1 single clamping
- Loading-unloading mainly automatically

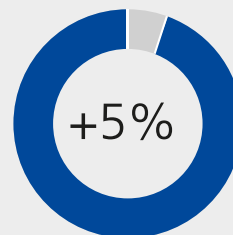
Your advantage



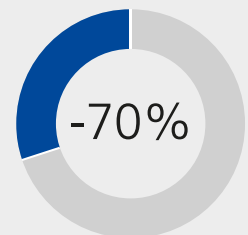
Production area



Machines



Efficiency



Employees