CASE HISTORY Compressor Housing
On Mikron Multistep XT-200

Approximately 25% of all compressor housings worldwide are produced onto Mikron Multistep XT-200.

UNIQUE
The Mikron Multistep Machining System is outstanding in reaching most competitive cost-per-part combined with unmatched flexibility when machining close tolerance metal components.

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## CASE HISTORY Compressor Housing
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### The challenge
- 5 different bodies made of casted AlMgSiCu-alloy
- Turning, milling, drilling on 6 faces of the workpiece. Depending on the component, 30-40 operations. Variable lot sizes from 500-10'000 pieces
- Tolerance: ±25 µm Cpk 1.67 (systematic sampling 10%)
- Annual requirement approx. 500'000 pieces (three-shift-operation)

### The traditional solution
- Production area: 300 m²
- Required machines: 4
- Setup time: 80 min.
- 12 employees
- Operations in 2 clampedings; milling on Multispindle-Machining Centers and turning on Automatic Lathes
- Loading/Unloading manually

### Mikron: The innovative solution
- Production area: 165 m²
- Required machines: 2 Mikron Multistep XT-200
- Setup time: 20 min.
- 6 employees
- Complete machining on one production system
- Intelligent automatic built-in loading/unloading system
  (incl. palletization and measuring of blank parts parallel to main processing time)

### Your advantage
- Production area: -45%
- Machines: -50%
- Setup time: -75%
- Employees: -50%