CASE HISTORY Air Spring Valves (Ventless Molds)  
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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www.youtube.com/mikrongroup  
www.mikron.com
## CASE HISTORY Air Spring Valves (Ventless Molds)
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### The challenge
- 30 million parts per year
- 2 pieces made in steel, with turning, drilling & milling operations
- Production of male & female component simultaneously on the same machine
- Tolerances: ± 10µm on diameters
- Raw material supply from wire coil (instead from bar-stock)

### The traditional solution

<table>
<thead>
<tr>
<th>Production area</th>
<th>136.2 m²</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required machines</td>
<td>16</td>
</tr>
<tr>
<td>Employees</td>
<td>3.2 + 3.2 + 3.2</td>
</tr>
<tr>
<td>Cost/part</td>
<td>Raw material from bar-stock</td>
</tr>
</tbody>
</table>

### Mikron: The innovative solution

<table>
<thead>
<tr>
<th>Production area</th>
<th>38.64 m²</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required machines</td>
<td>1 Mikron Multistar CX-24</td>
</tr>
<tr>
<td>Employees</td>
<td>0.5 + 0.5 + 0.5</td>
</tr>
<tr>
<td>Cost/part</td>
<td>Raw material from wire coil</td>
</tr>
</tbody>
</table>

### Your advantage

- **-71%** Production area
- **-94%** Machines
- **-85%** Employees
- **-45%** Cost/part