## TECHNICAL PRODUCT SPECIFICATIONS

### General

<table>
<thead>
<tr>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø&lt;600mm; length &lt;250mm; cranable part feeding</td>
</tr>
<tr>
<td>form accuracy &lt; 0.2 μm,</td>
</tr>
<tr>
<td>surface roughness (Ra) &lt; 3 nanometers</td>
</tr>
<tr>
<td>Ø&lt;100mm, angle 3°, shape &lt; 0.2μm PV,</td>
</tr>
<tr>
<td>250mmx200mm; total stroke 2.1mm; shape &lt; 0.6μm PV; machining time 3.5h</td>
</tr>
</tbody>
</table>

### IL600

**MADE IN GERMANY**

![IL600 Image](Image)
## TECHNICAL PRODUCT SPECIFICATIONS

### MACHINE | General
<table>
<thead>
<tr>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>System Configuration</td>
</tr>
<tr>
<td>Machine Base</td>
</tr>
<tr>
<td>Vibration Isolation</td>
</tr>
<tr>
<td>Control System</td>
</tr>
<tr>
<td>Programming Resolution</td>
</tr>
<tr>
<td>Set Points / Sec</td>
</tr>
<tr>
<td>File Transfer Requirements</td>
</tr>
</tbody>
</table>

### MOTION | Linear Axes
<table>
<thead>
<tr>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>X-Axis</td>
</tr>
<tr>
<td>Travel</td>
</tr>
<tr>
<td>Accuracy over Full Travel</td>
</tr>
<tr>
<td>Feedback Type</td>
</tr>
<tr>
<td>Straightness</td>
</tr>
<tr>
<td>Pitch, Roll, Yaw</td>
</tr>
<tr>
<td>Max. Speed</td>
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<tr>
<td>Drive System</td>
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<tr>
<td>Load Capacity / Stiffness</td>
</tr>
<tr>
<td>Media Supply</td>
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<table>
<thead>
<tr>
<th>Y-Axis</th>
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### MOTION | Rotary Axes
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<tr>
<td>Type</td>
</tr>
<tr>
<td>Load Capacity</td>
</tr>
<tr>
<td>Axial/Radial Stiffness</td>
</tr>
<tr>
<td>Motion Accuracy</td>
</tr>
<tr>
<td>Max. Speed (position control)</td>
</tr>
<tr>
<td>Feedback Resolution</td>
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<tr>
<td>Thermal Control</td>
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<tr>
<td>Interface</td>
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<table>
<thead>
<tr>
<th>B-Axis</th>
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<table>
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<tr>
<th>Milling Spindle</th>
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### AUTOMATION | NanoGrip Interface
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<tr>
<td>Clamping mechanism</td>
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<tr>
<td>Clamping force</td>
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<td>Interfaces for workpiece</td>
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### METROLOGY | LVDT
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<tr>
<td>Working Distance /Range</td>
</tr>
<tr>
<td>Resolution</td>
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<tr>
<td>Stylus Tip</td>
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### ACCESSORIES | ILSONIC Ultrasound Unit
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</tr>
<tr>
<td>Working Frequency</td>
</tr>
<tr>
<td>Total travel</td>
</tr>
<tr>
<td>Max. Depth for Concave Parts</td>
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<td>Interface to Machine</td>
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### AUTOMATION | 3D Tactile Probe
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### METROLOGY | Confocal Probe
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### ACCESSORIES | Overdrive
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<td>Max. acceleration</td>
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### ACCESSORIES | Circulating Air Shower
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<tbody>
<tr>
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