Compact, highly precise support system for tool setting and monitoring in micromachining applications

- High-end system for measurement of smallest tools (from Ø 5 μm)
- Perfect for small and highly precise machines
- Measurement at nominal spindle speed
- Highest absolute accuracy due to focused laser beam
- Process reliability due to patented NT-Electronics
- Pre-aligned laser for easy mounting
- Programmable by integrated microprocessor

Your benefit:
- Best measuring accuracy
- Increased productivity and production quality
- No subsequent damage due to tool breakage
- Reduced set-up time and unmanned operation
- Reduced scrap rate

Technical data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laser safety classification</td>
<td>Class 2 acc. to IEC60825-1, 21 CFR 1040.10</td>
</tr>
<tr>
<td>Laser type</td>
<td>Visible red light laser</td>
</tr>
<tr>
<td>Protection class</td>
<td>IP68</td>
</tr>
<tr>
<td>Power supply</td>
<td>24 V DC/160 mA</td>
</tr>
<tr>
<td>Inputs/Outputs</td>
<td>24 V DC</td>
</tr>
<tr>
<td>Repeatability</td>
<td>0.1 μm 2σ **</td>
</tr>
<tr>
<td>Minimum tool diameter</td>
<td>Default: 15 μm **</td>
</tr>
<tr>
<td></td>
<td>Option BL105: 5 μm **</td>
</tr>
<tr>
<td>Test speed (spindle)</td>
<td>Up to 200,000 rpm</td>
</tr>
</tbody>
</table>

* Depending on installation situation, stability of fixation, distance and measuring mode

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Blum-Novotest GmbH
Kaufstrasse 14 | 88287 Gruenkraut | Germany | +49 751 6008-0 | vk@blum-novotest.com

Blum-Novotest Ltd.
Unit 15 Granary Wharf Business Park
Welmore Road, Burton upon Trent
Staffordshire , DE14 1DU
United Kingdom
Phone: +44 1283 569691
Fax: +44 1283 563687
info@blum-novotest.co.uk

Blum-Novotest, Inc.
4144 Olympic Boulevard
Erlanger, KY 41018
USA
Phone: +1 (859) 344 6789
Fax: +1 (859) 344 6799
solutions@blum-novotest.us

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