

The logo for Schneeberger, featuring the company name in a bold, black, sans-serif font inside a white rounded rectangle with a black border. The logo is positioned at the top right of the page, partially overlapping a teal diagonal graphic element.

SCHNEEBERGER

The background of the entire page is a high-speed, black and white photograph of a metal part being machined. The part is rotating, and a cutting tool is visible on the left, creating a spray of metal chips. The image is blurred to convey motion. A large orange vertical bar is on the left side of the page.

GALILEO

The tagline 'TECHNOLOGY FOR TOOLING' is written in a bold, teal, sans-serif font. It is located at the bottom right of the page, partially overlapping a teal diagonal graphic element.

**TECHNOLOGY
FOR TOOLING**

**TRANSMITTED AND INCIDENT LIGHT MEASUREMENT**

Transmitted light measurement of tool diameters, flute lengths, toroidal or spherical radii, chamfers, tapering angles both at the face and the diameter of the resulting profile.

Simultaneous incident light measurement of clearance angle width, helix angle, and tooth pitch.

**TOOL FACE**

Rotation of the movable camera arm enables incident light measurement of the face flank widths and the distance of the cutting edge from the centre or the face angle for drilling tools.

The measurements are visualised on a 20" LCD screen.

**3D PROBE**

Very fast and precise measurement of rake angle, groove shape, clearance angle and helical pitch with swivelling sensor.

**TRANSMITTED LIGHT MEASUREMENT OF THE PROFILE**

Profile analysis enables any tool contour to be determined. DXF visualisation enables direct comparison of the generated profile with the required profile on the screen. The system defines a tolerance band and automatically carries out the measurement. Any deviations are determined and displayed in real time.

**SETTING THE GRINDING WHEELS**

Transmitted light measuring cycles while the wheel is spinning determine the effective geometry. Reference dimension, diameter and circular smoothing are transferred to the grinding machine via the network connection.

The high-precision ISO50 spindle enables any wheel configuration to be measured, irrespective of the chuck used (20° cone, HSK50, HSK80 etc.).

**TEST PROTOCOL**

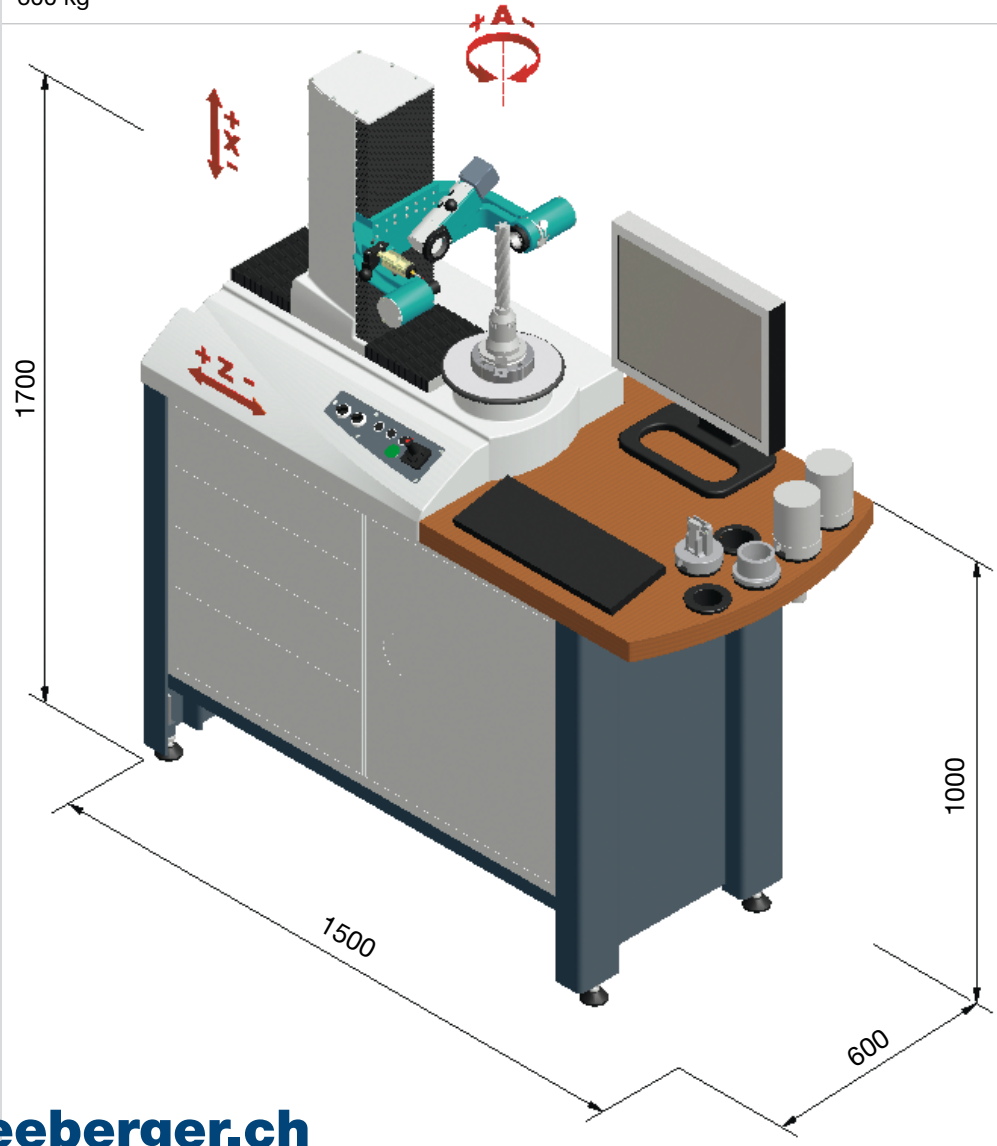
Tools are supplied with a test protocol as standard. The tools can be flexibly configured with the SCHNEEBERGER software solution. In addition to the recorded measured values diagrams such as profiles with measuring lines, set geometries in dxf format, images from the measuring camera or company logos can be displayed.



▶ Everything under control

▶ Axes:	<p>X axis: 300 mm, vertical column, measuring system resolution 0.001 mm Z axis: 250 mm, longitudinal slide, measuring system, resolution 0.001 mm A axis: free rotary motion, ISO50, measuring system, resolution 0.0001° Very stable cast iron base</p>
▶ Measuring head:	<p>Electronic 3D probe Diascopic camera with telecentric LED illumination Episcopic camera with telecentric LED illumination Ergonomic axis operation in different speed ranges via joystick</p>
▶ Scope of supply:	<p>Galileo, switch cabinet, integrated PC with network interface, 20" LCD colour screen, keyboard and mouse. Optional: tool holding fixtures, collets, turning plates holders, ISO50-HSK50 reduction, ISO50-HSK80 reduction.</p>
▶ Weight:	600 kg

▲ SUBJECT TO TECHNICAL MODIFICATIONS



www.schneeberger.ch

▶ Subsidiaries:	<table border="0"> <tr> <td>France</td> <td>J. Schneeberger Machines SARL, +33 299 35 10 35, schneeberger.fr@wanadoo.fr</td> </tr> <tr> <td>Deutschland</td> <td>J. Schneeberger Maschinen GmbH, +49 7044 901820, deutschland@schneeberger.ch</td> </tr> <tr> <td>Italia</td> <td>J. Schneeberger Service Italia srl, +39 045 6270565, info@schneeberger-italia.com</td> </tr> <tr> <td>USA</td> <td>J. Schneeberger Corp, +1 847 888 3498, info@schneeberger-us.com</td> </tr> <tr> <td>UK</td> <td>J. Schneeberger Ltd, +44 1530 274177, info@schneeberger.org.uk</td> </tr> <tr> <td>China</td> <td>J. Schneeberger (Nanjing) Co. Ltd, +86 135 851 20661, china@schneeberger.cn</td> </tr> </table>	France	J. Schneeberger Machines SARL, +33 299 35 10 35, schneeberger.fr@wanadoo.fr	Deutschland	J. Schneeberger Maschinen GmbH, +49 7044 901820, deutschland@schneeberger.ch	Italia	J. Schneeberger Service Italia srl, +39 045 6270565, info@schneeberger-italia.com	USA	J. Schneeberger Corp, +1 847 888 3498, info@schneeberger-us.com	UK	J. Schneeberger Ltd, +44 1530 274177, info@schneeberger.org.uk	China	J. Schneeberger (Nanjing) Co. Ltd, +86 135 851 20661, china@schneeberger.cn
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▶ Agencies:	<p>Austria, Brazil, Canada, Korea, Finland, Indonesia, Israel, Malaysia, Mexico, Norway, Poland, Portugal, Czech Republic, Romania, Russia, Singapore, Slovakia, Slovenia, Spain, Sweden, Thailand, Taiwan, Turkey, Hungary.</p>												
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