

MS

MANUAL SCRIBER

The MS Manual Scribe is designed for accurate scribing and alignment of wafers, substrates, ceramics and electronic devices. The combination of true vertical motion, digital vision and micrometric positioning ensures excellent accuracy and repeatability for laboratory and production environments



MANUAL SCRIBER

DIGITAL VISION SYSTEM

ROTARY THETA TABLE

HIGH PRECISION
ALIGNMENT

Flexible by design

The MPS combines precision mechanics, advanced vision assistance and ergonomic operation in a compact benchtop system. Suitable for research laboratories, prototype assembly and low-volume production.

KEY BENEFITS

- High-precision scribing alignment
- True vertical diamond tool movement
- Integrated digital vision system
- Micrometric X-Y positioning
- Compact and robust design
- Easy operation and quick setup

Explore the possibilities

Contact Micronnect for configuration advice, a demonstration, training and service.

Technology and configuration

Designed for high-precision scribing and alignment, the MS combines true vertical motion, digital vision and micrometric positioning for accurate processing of wafers, ceramics, glass and substrates.

01 True Vertical Motion

The diamond tool moves vertically, eliminating parallax errors and ensuring accurate scribing alignment.

02 Digital Vision System

High-resolution camera with digital crosshair overlay for precise positioning and process control.

03 Precision Positioning

Micrometric X-Y adjustment enables accurate alignment and scribing in streets below 10 µm.

04 Flexible Process Control

Adjustable toe and heel cutting angles allow optimization for different materials and applications.

TECHNICAL DATA

Scribe Length	0 – 200 mm
X-Y Travel	25 x 25 mm
Workpiece Size	UP to 200 mm
Vertical Clearance	0 – 9 mm
Troat Depth	200 µm
Vision System	5 MP Digital Camera
Dimensions	400× 500 × 352 mm
Weight	25 kg

Specifications are based on the supplied product information. Final execution may vary by configuration.

OPTIONS

-  **Micrometric Short Scribe Module**
-  **HD Side Inspection Camera**
-  **External Vacuum Pump**
-  **Rotary Theta Table**

The integrated rotary table allows precise angular alignment of wafers, substrates and ceramic parts, improving scribing accuracy and process repeatability

Find the right configuration for your process

Contact us for technical advice or a demonstration.

CONTACT