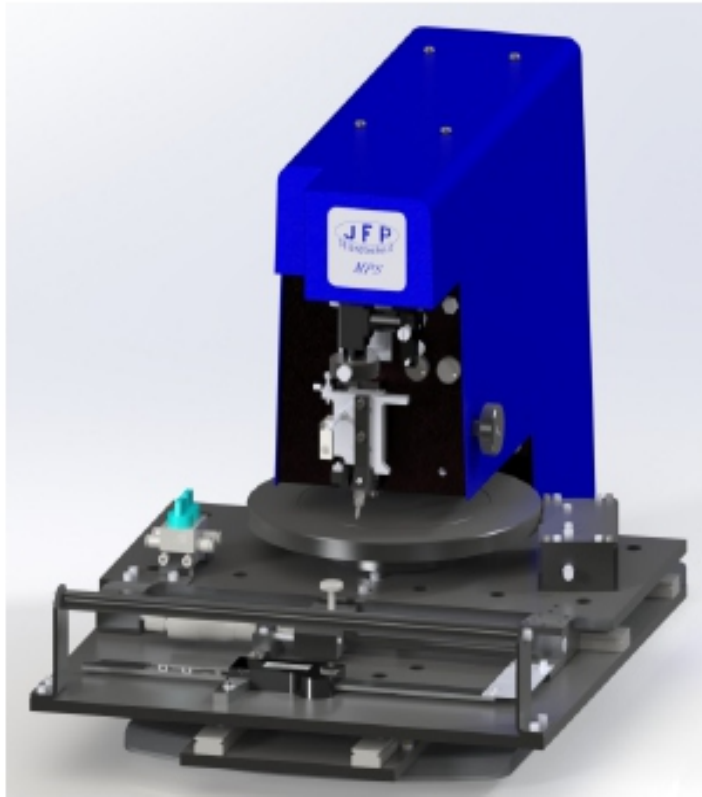


MS-1 Mini Diamond Scriber



The MS-1 Mini Scriber fulfil accurate scribing Alignment of any device,.

Can perform small dots, at defined length.

Based on MPS platform, it can perform fine position, in X direction, adjusted by micrometer.

Vertical diamond head motion according to Vertical Vision, eliminating parallax error in targeting.

Video Interface compatible for Ultra-HD Camera, with adjustable digital magnification for flexibility, small and large chip sizes.

True vertical motion achieves high accuracy capability: scribe into street < 10 µm.

Side camera, provides process vision; camera can be tilted at any angle; high magnification zoom capability

MS-1 is a robust, and reliable mechanical concept

SYSTEM

- Table Top machine,.
- Compact system
- Z movement: safe manual drive system.
- True Vertical motion
No height adjustment for thickness: 0-9mm
- True vertical Vision, Ultra-HD Camera,
- Soft touch-down
- Scribe Force: adjustable
- Throat: 200mm, Access for large substrates

Work Stage

- Wafer hold by Vacuum,
- Substrate, size Up to 200 mm
- Manually handled
- Full Scribe travel up to 200mm
- Rotary base for easy Theta adjustments
Fine Theta adjustment by micrometer
- Internal vacuum Pump
- Scribe length: 0 mm to 200mm
- Preset-Tool Holders: Toe and Heal Cut Angles

Applications

Glass, ceramic, silicon....

- Dots, short marking
- Full scribe line, ...
- Inspection/Process HD side Camera

VISION-ALIGNMENT SYSTEM

- **V5M:** Camera 5MP, Ultra-HD, Zoom
Full Field of view: Up to 11mm
also available FOV=25mm
- Digital CrossHairs, adjustable
- Adjustable digital video Box
- Direct Digital Video measure, in µm unit
- Adjustable Zoom
- LED lightings coaxial and oblique
Display Monitor 12", 1370x770

FEATURES/PARAMETERS

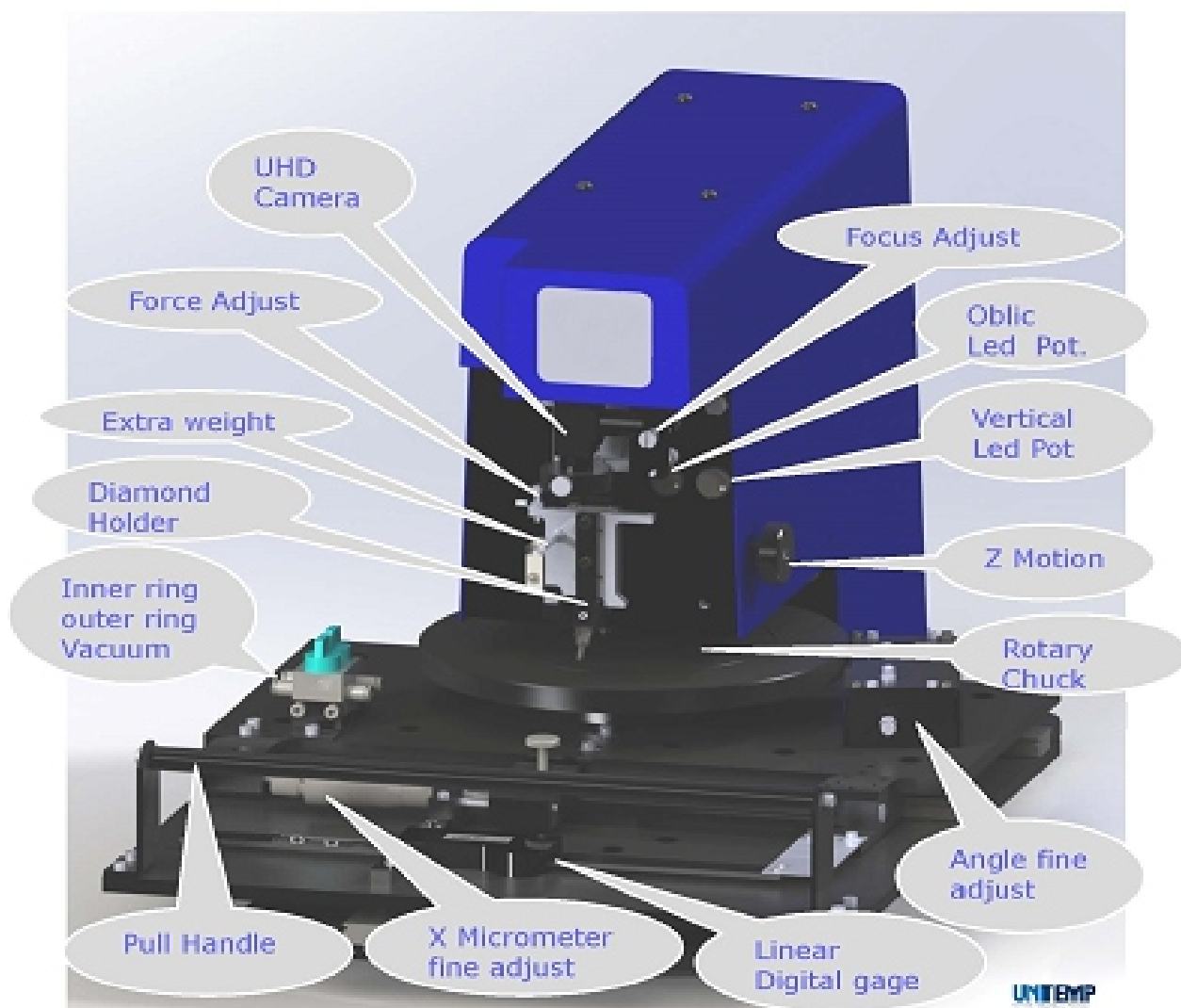
- Low Scribing Force: <10 g
- Diamond tool shank: 1/8 (3,17mm)
- Lubrification : Automatic,

TECHNICAL SPECIFICATION

Power:	100 / 230VAC 300watt
Vacuum:	integrated in system
No compressed Air required	
Dimensions:	400*500*352mm
Weight:	25kg.

MS-1 Mini Diamond Scriber

MS-1 Mini-Scriber



11.2017