

JFP MS-Manual Scriber



The machines which require minimal training to operate

HIGHT PRECISION

MADE
IN FRANCE



Click the following link to view the video :

<https://www.youtube.com/channel/UCByyTZEnZLd4h6EMFNcG5iA>

- The MS Manual Scriber fulfills 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 μ m.
- Side camera, provides process vision; camera can be tilted at any angle; high magnification zoom capability.
- MS 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

OPTIONS

- 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 μ m 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

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