

Wafers, Lithography
Diffusion/Deposition

Laser Trimming,
Repair, Marking

Testing

Design, Devices and
Processes
Characterization

Packaging

Dicing

Scribers

Die Bonders

Reflow/Curing

Wire Bonders

Pull/Shear Test

Flip Chip

Seam Welding

Storage Dry Boxes

Device Sorter

Wire Vision

SMT

Clean Rooms

HR 100 - Manual Scriber



Minimize tedious grinding and polishing. The **SUSS HR100** manual scriber provides high accuracy and yield, prepares samples faster than ever before, reduces ion milling time whilst eliminating resist tearing and the need to offset resolutions in one fast, efficient process.



Features & Benefits

- Caters for wafers and substrates up to 100 mm
- Simple handling
- Low thermal and mechanical stress of the substrate
- Short set-up times
- Highly flexible
- Absolute reliability with uncomplicated precision mechanics
- Alignment of substrate in Θ

by alignment
spindle and
special
microscope
with adjustable
crosshair

- Alignment in X
and advance for
scribe
separation
distance by
backlash-free
micrometer
screw
- Vibration-free
diamond
mounting and
guidance, the
prerequisite for
perfect scribing
- Diamond
lowering, scribe
movement and
diamond lifting
for the return
stroke which is
controlled by a
single
handoperated
lever movement
- Scribing
pressure can be
increased up to
600 through the
addition of
optional
weights for
deep scribes in
even the hardest
ceramic
materials
- Broad range of
scribing
diamonds for
process
optimization in

all application
areas

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