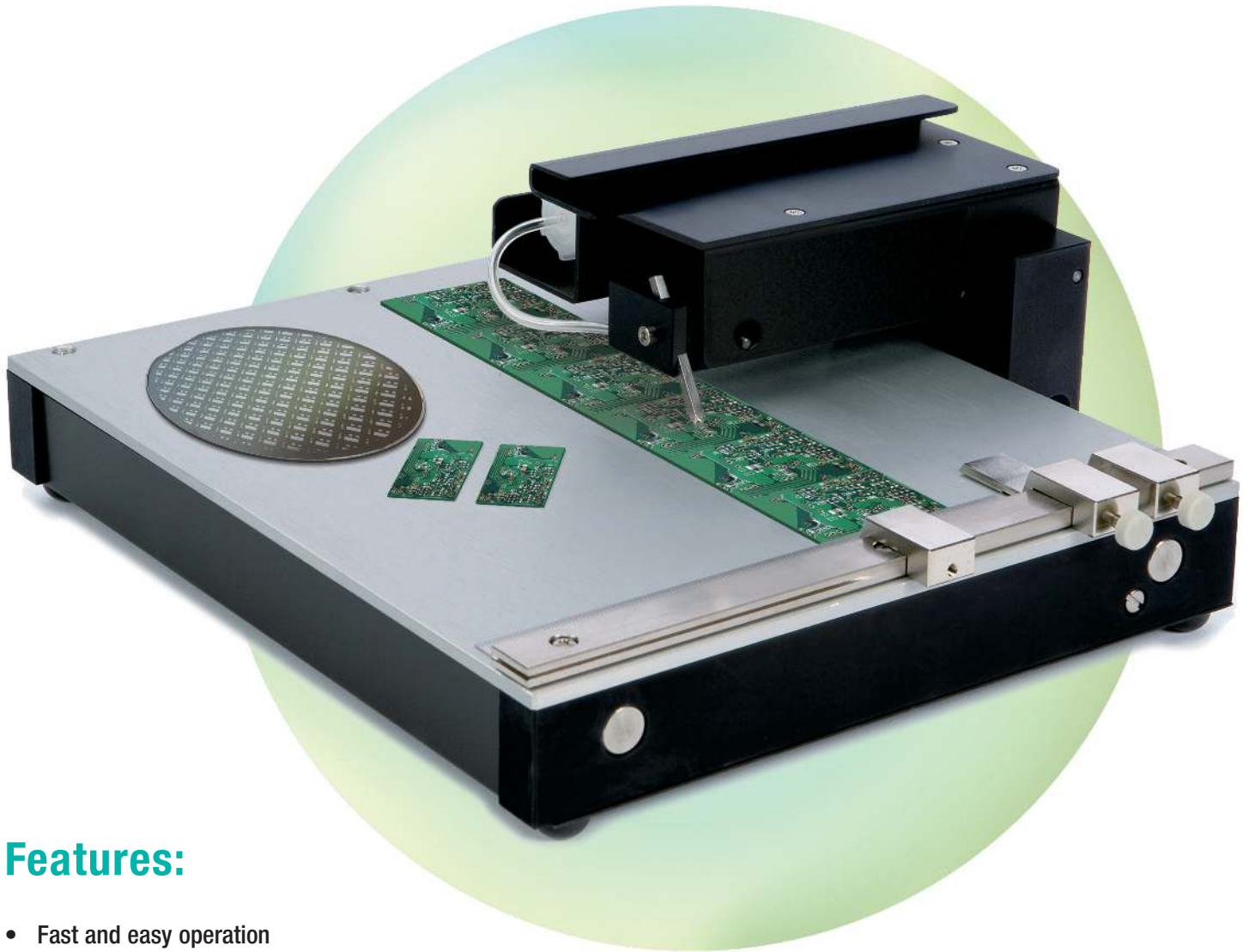




Diamond Scriber RV-126, RV-127 and RV-129

For fast and easy scribing
of ceramic, glass, silicon, GaAs, InP...



Features:

- Fast and easy operation
- No maintenance
- Multipurpose diamond tool with 4 cutting edges
- Alcohol lubrication for model RV-126 and 127 to extend diamond tool life time and to assist breaking by capillary effect
- Adjustable scribing force
- Adjustable substrate thickness
- Precise step and repeat by adjustable mechanical stop on the ruler for model RV-126/127
- Mechanical stop with angular adjustment (option for RV-126/127)
- Roller blade for glass (option)

Technical Data:

	RV-126	RV-127
Maximum cutting length/width:	200mm/100mm	400mm/100mm
Dimensions:	360 x 260 x 100mm	450 x 260 x 100 mm

Precision Diamond Scriber model RV-129



Precision manual
diamond scriber, based on:

Rotating vacuum chuck for max. a single 200 mm wafer diameter, 4 notches for the 90 degree snap into positions, mounted on a X/Y stage with linear bearings, fine adjustment for the angle position via micrometer screw, min. resolution: 0,006 degree, max. range: $\sim 4^\circ$

X axis movement range/maximum substrate width:
 ≥ 240 mm, resolution 10 micro meter with digital gauge

Y axis movement range/maximum scribing length:
 ≥ 240 mm

Maximum substrate thickness: ≥ 10 mm

Adjustable touch down/lift up positions for the scribing tool to determine the required scribing length

Scribing tool touch down/lift up by vacuum piston

Diamond tool with 4 cutting edges

Scribing pressure range: 5 - 581 grams by positioning of weights on a balance scale

Individual weights can be easily made by the customer

Adjustable mounting position for the scribing tool to vary the scribing angle

Micro meter screw adjustment for scribing height and X position of the scribing tool to match with the Y line in the cross hair microscope

Monocular microscope, ~ 100 X, 100 increments, resolution: $\frac{1}{2}$ increment = $< 8 \mu\text{m}$, with illumination

Optiones:

- Vacuum pump for Substrate/ Wafer clamp and diamond tool z-axis movement
 - Vacuum chuck for wafer fragments down to 5x5 mm
 - Roller blade for glass
 - Digital Camera
- Dimensions: 500 x 500 x 300 mm
Weight: approx. 25 kg

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