

## Model RV-129

### Precision diamond scriber for manual scribes for ceramic, glass or silicon substrates



#### Precise manual diamond scriber, based on:

- rotating vacuum chuck for max. one **single 200mm wafer**
- 4 notches for the 90° snap into positions, mounted on a X/Y stage
- with linear bearing, find adjustment for the angle position via micrometer screw
- min. resolution: 0,006 degree, max. range: about 4°
- X-axis movement range/maximum substrate width:  $\geq 240\text{mm}$
- resolution 10 micro meter with digital gauge
- Y axis movement range/maximum scribing length:  $\geq 250\text{mm}$
- maximum substrat thickness:  $\geq 10\text{mm}$
- 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
- scribing pressure range: 5-581 grams by positioning 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 cross hair microscope, 25x, with illumination, 220VAC, 50Hz
- Dimension: 500x500x300mm
- Weight: 25 kg
- Vacuum pump for wafer clamp and scribing tool not included (available as option)

