

AUTOMATIC SCRIBER/BREAKER/SORTER



The SBS420 is an unique machine designed scribing & breaking & sorting delicate component, such borosilicate lid.

One inspection system check the component before the sorting.

Full automatic system.

The machine is robust, vibration free.

SCRIBING HEAD

- Y,Z motion with adjustable angle
- Adjustable scribing force from 10 gr up to 150gr; constant weight
- Diamond Tool: Adjustable for angle & rotation
- Tool Offset with cross-hair
- Accuracy: $\pm 5\mu\text{m}$

WAFER TABLE

- Wafer chuck till 3"
- Die Size: Minimum 200 μm square up to 10mmx10mm
- Wafer thickness: 100 μm and up
- Motorization rotation 90 degrees
- Motorization alignment
- X motion / resolution 1 μm ; Accuracy $\pm 2,5\mu\text{m}$
- Motion control with progressive joystick

VISION SYSTEM

- Optics & magnification compatible with application
- Alignment: Programmable area / Manual
- TFT monitor 17" and 2 CCD color camera high definition
- Target generator
- LED lightings

BREAKER

- Breaking mode: Roller
- Force programmable
- Motion control with progressive joystick

INPECTION SYSTEM

- Cognex 8000

SORTER

- Palet size 7x7"
- Cycle time:1.9 s
- Force programmable
- Motion control with progressive joystick

TECHNICAL SPECIFICATION

| | |
|-------------|---------------------|
| Power: | 100 / 230VAC 50watt |
| Air: | 70psi |
| Vacuum: | 60% |
| Dimensions: | 1210x1073x1400mm |
| Weight: | 280kgr. |