



東京精密

Singulation Machine

Twin Stage Super-speed Package Singulation System

PS280



Now, with two independent stages, cutting and positioning can proceed in parallel. The result - a maximum dicing speed up to twice that previously possible!

New connected handlers, shorten coordination time - bringing increased operation efficiency and substantial savings in processing time.

Twin Cutting-stage Mechanisms and Independent Microscope Drive Mechanism

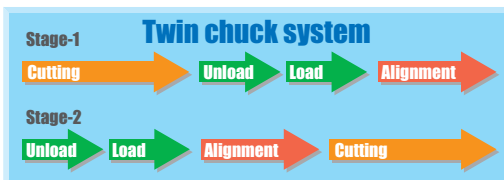
Patented

The new parallel spindle drive shaft with an independent microscope drive shaft - make simultaneous cutting and alignment operations possible. This combines with PS280's twin cutting stage mechanisms to bring unparalleled performance!

Previous models



PS280



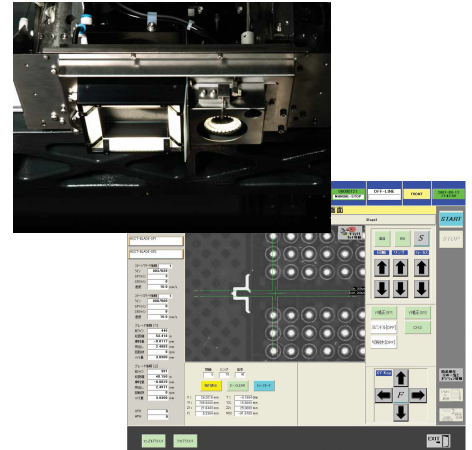
Large Cutting Area

PS280's large cutting area ensures smooth scrap processing and easy maintenance (Patent pending).



Wide, Bright Image Processing

The optical system comes with a wider visual field and higher, brighter resolution – greatly assisting image processing during operations such as alignment. The results – reduced alignment error and shorter alignment time (Patent pending).



17-inch Touch Panel Monitor



The large touch screen provides enhanced visibility and easier operation.

USB Interface

The USB interface makes system upgrading fast and easy and streamlines data storage from the device.

Main Options

- Air bearing-type high-output spindle
- Macro visual field optical system
- SECS function
- Transformer supporting multiple power supplies
- Resistivity and flow volume monitoring
- High-capacity vacuum pump

PS280 Specifications

Items	PS280
Applicable work size (Max)	280 x 110 mm 215 mm
Saw-jig size (Max)	φ312 mm
Spindle type	Mechanical bearing type
Spindle output power	1.8 kW
Rotation speed (Max)	30 min ⁻¹
Blade size	3 inches
X-axis cutting speed	0.1~600 mm/sec (X1, X2, both axes)
Y1, Y2, and Microscope-axis stroke	300mm (Y1, Y2, both axes)
Y1, Y2, and Microscope-axis positioning accuracy	0.005/300 mm
Z1, Z2, and Focus-axis positioning accuracy	0.003/1 mm
Theta-axis rotation range	195°
Power supply	AC200~220 V 3phase 50/60 Hz
Air supply	0.55~0.7 MPa 390 L/min
D.I. water supply	0.4~0.5 MPa 12 L/min
Spindle cooling water	0.2~0.5 MPa 3 L/min
Machine size (W x D x H mm)	1600 x 1685 x 1760 mm

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Specifications and other descriptions may be changed for product improvement without notice.