

Singulation Machine

Twin Stage Super-speed Package Singulation System

PS300

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 PS300's twin cutting stage mechanisms to bring unparalleled performance!

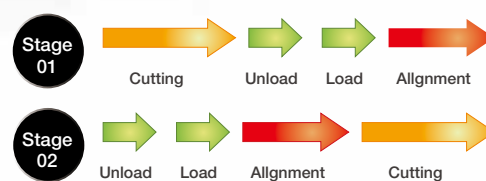
Previous models

Single chuck system



PS300

Twin chuck system



Large Cutting Area

PS300's large cutting area ensures smooth scrap processing and easy maintenance.



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.



Main Options

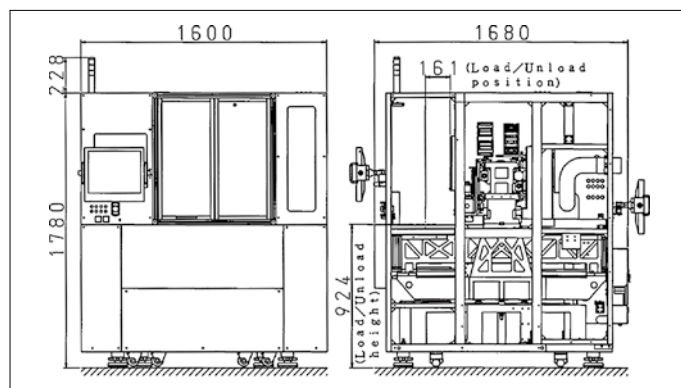
- Macro visual field optical system
- SECS function
- Transformer supporting multiple power supplies
- Resistivity and flow volume monitoring
- High-capacity vacuum pump

USB Interface

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

PS300 Specifications

Items	PS300
Applicable work size (Max)	300×100 mm 215 mm
Saw-jig size (Max)	Φ 332 mm
Spindle type	Air bearing type
Spindle output power	1.8kW
Rotation speed (Max)	60 min ⁻¹
Blade size	2 inch (3 inch option)
X-axis cutting speed	0.1 ~ 600mm/sec (X1,X2,both axes)
Y1,Y2,and Microscope-axis stroke	300 mm(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	186°
Power supply	AC200 ~ 220V 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	0.3 ~ 0.5 MPa 3 L/min
Machine size (W×D×H mm)	1,600×1,680×1,780 mm



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