



**Model 420M**

No. of Spindle	: 1
Working area	: 400x200mm
Spindle Motor	: 5.5 Kw (7HP)
Blade size	: O.D. 180mm
Spindle speed	: Max 7500rpm
Spindle taper/length	: 1/20 tp/85mm
Table speed	: 5 - 200mm/min

**High Precision Automatic Ingot Slicing Machine**

**High Reliability, Best Performance for Singulation tools**

**Auto Slicing Machine**  
**Model ASM420M**

**Okamoto Corporation**

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## FEATURES

Model 420M is a high precision automatic slicing machine for the semiconductor/electronics market. This machine is capable of precision Z-axis repeatability and is equipped with a high power spindle motor (5.5Kw/7 HP); powerful and stable enough for multi-gang for hard material's slicing.

Indexing of the work-piece is performed manually (automatic index available as option). This machine has a special vertical axis movement design, allowing for heavy duty slicing jobs. Entire the column unit including spindle head move vertically instead of grinding head sliding vertically. The work-piece is held steady by magnetic chuck.

## SPECIFICATIONS

Max. work size ( L x W)	400x200mm (15.7" x 7.8")
X-axis (table Right-Left) Cutoff feed rate Rapid speed	500mm (19.6") Max. 5 - 200 mm/min by AC servo 5,000 mm/min by AC servo
Y-axis (spindle Front-Rear) Minimum setting Automatic Index amount (Option) Min. index increment (Option)	220mm (8.6") Max. 0.01 mm 0.1 – 99.999mm by AC servo 0.001mm
Z-axis (spindle Top to Bottom) Minimum setting Auto retract amount (fixed amount)	100mm (3.9") Max. 0.005mm (manually) 50mm
Spindle speed Spindle taper & Length Motor	Max. 7,500rpm 1/20 taper & 85mm 5.5 Kw (7 HP)
Spindle Power Speed range Drive system	900W 4,000 - 40,000 rpm High frequency air spindle
Blade (O.D. x I.D.)	Ø180 x Ø40mm
Utilities : Electric power	3P, 200V, 10KVA
Footprint (L x W x H)	2150 x 1443 x 1430 mm
Weight	1500 Kg (3,300 lbs)

Specifications subject to change without notice.