

MICRACUT 200

High Speed Precision Saw



MICRACUT 200 High Speed Table Feed Wafering Saw

Applications:

- Metals
- Ceramics
- Polymers
- Composites
- Aerospace
- Electronics
- Biomaterials

High Speed Precision Table Feed Cutter

- Precise serial cutting
- Highly reproducible
- Easy to use
- Grinding thin sections
- Flexible
- Ideal for all materials
- User friendly

The MICRACUT 200 is a heavy duty, variable speed precision wafering saw for sectioning materials with extreme accuracy. It is very useful for sectioning metals, ceramics, electronics and other engineered materials.

The cutting speed is continuously variable from 400 to 4000 rpm. An optional x-axis alignment and positioning attachment is also available.

Features - MICRACUT 200

- Simple to use (no programming skills required)

- Microprocessor controlled
- Automated table feed with adjustable feed rate
- Heavy duty aluminum frame
- Motorized x-direction with 2 micron (0.0001 inch) accuracy
- Accepts wafering blade diameters up to 8-in (200 mm)
- -2.4-in (60 mm) cutting capacity
- Variable wheel speeds from 400-4000 rpm
- Touch pad control panel
- Cut-off wheel z-axis adjustment up to 1.8-inches (45 mm)

Specimen Fixturing Vises

The specimen vises for the MICRACUT 200 can be either the standard cam or vertical locking vises or the dovetail locking plates which enable the operator to fixture the sample on to the vise prior to attaching to the cutter. Fixturing of round, square, elongated and other irregularly shaped specimens can be easily accomplished.



Description:

Microprocessor controlled, table feed precision saw with variable cut-off wheel speed from 400 to 4000 rpm, 800 Watt motor, 2.4-inch cutting capacity, automatic feeding with adjustable feed speed, motorized positioning system with digital readout, positioning accuracy to 2 microns, touch-pad control panel for parameter settings, last settings retained in memory and recirculation cooling unit (Part No. 17-02)

Technical Specifications:

Cutting capacity	2.4-inches (60 mm)
Positioning range	X-direction: 2-inches Y-direction: 7-inches
Feed rate	0.24 - 3.54 inches/minute (0.01 - 1.5 mm/second)
Cutting speed	400-4000 rpm
Voltage	110 volts
Motor	800 Watts
Wheel size	Max. 8-inch (0.5-inch arbor)
Positioning accuracy in X-direction	2 microns
Dimensions (WxDxH)	2.4" x 3" x 1.7"
Weight	200 lbs

Specimen Vises and Accessories

Universal specimen vise Micracut 175/200	GR 0210
Universal specimen vise	GR 0400
Double saddle specimen vise	GR 0401
Circular specimen vise (1.25" diameter)	GR 0402
Irregular shaped specimen vise	GR 0403
Vise for adhering specimens	GR 0404
Teardrp specimen vise (0.7-1.6" diameter)	GR 0439
Automated x-axis table with 2 micron positioning accuracy	GR 0547
Specimen vise stand for dovetail fixtures	GR 0556
Fast Cam locking fixture	GR 0548
Vertical clamping device with clamping shoe	1501

Wafering Blades

Description	5-inch	6-inch	7-inch
Fine grit / low conc.	WB-0050LC	WB-0060LC	WB-0070LC
Medium grit / low conc.	WB-0055LC	WB-0065LC	WB-0075LC
Medium grit / high conc.	WB-0055HC	WB-0065HC	WB-0075HC
CBN blades	WCBN-0055	WCBN-0065	WCBN-0075

Accessories

Description	Catalog Number
DIACUT Dressing Sticks (1/2" x 1/2" x 4 1/2")	DRES-0010
DIACUT water-based cutting fluid (32 oz)	WL-3000-32



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