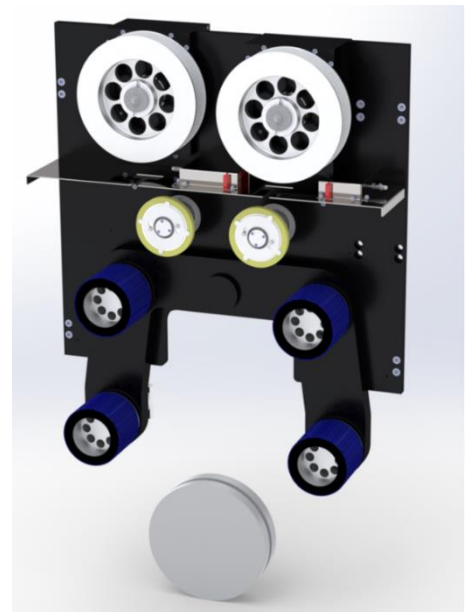




MWX250 Multi Wire Saw

Combining the ease of a single wire saw and the productivity of multiwire slicing

- Minimally destructive, low-kerf slicing with diamond wire increases yield by saving material
- **Easy to use, convenient access** to all components to minimize maintenance costs and reduce downtime
- Processes Ingots up to 250mm diameter and **100mm** long
-
- 9.7" Color, touchscreen Human Machine Interface (HMI)
- Tangential cutting method for increased surface finish quality and decreased cut time
- PLC controlled tensioning system with load cell feedback for accurate wire tension required for different wire sizes
- Smallest footprint available in a multi-wire saw (1.03 m²)
- Multiple wire break detection systems minimizes material loss due to wire breaks
- CE compliant



Technical

Technical data at a glance

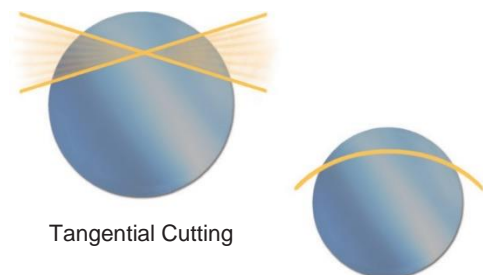
Specification	MWX250
Work Piece Dimensions	250 mm x 250 mm x 100 mm
Work Table	Optional
Saw Dimensions	Width: 1104 mm / 43.46" Height: 2047 mm / 80.56" Depth 924 mm / 36.37"
Saw Weight (Max)	KG / LBS: 583 / 1285
Diamond Wire	Max capacity: Up to 15km of 175µm core wire
Power Requirements	208 – 230V/50-60Hz 30 Amp Single phase
Yoke Speed (mm/min)	min: 0.001 max: 200
Wire Speed	max: 30 m/s
Tension	up to 50 N
Fluid Tank	Liter / Gal: 70 / 18.5
Indexing Table Accuracy(mm)	Standard: ±0.015 Optional: ±0.003

Options

- Extended web option, extends web to 225mm (pitch dependent)
- Filtering via filter skid is available
- Precision table with two dovetails, eases mounting of the sample and maintains proper orientation
- Remote set-up and monitoring software via Ethernet
- Ingot-Mounting Station, a stand-alone unit, allows precise mounting of sample to sacrificial beam and dovetail. Simplifies and reduces set-up time
- Development and design consultation / custom fixturing
- Accumount Dovetail System for improved accuracy
- Manual 90° dicing table
- Rotation table and goniometer table are also available

Tangential Cutting

- 0° - 6° rock
- Faster cuts
- Higher precision
- Lower TTV
- Superb surface finish
- Reduced bow and warp



Electro-Plated Diamond Wire

RTD Series Footprint

Core	Diamond Size	Concentration	Outer Diameter
60	6-12	High	73
70	6-12	High / Ultra	83
80	6-12	High	90
	8-16	High / Ultra	95
100	6-12	High	110
	8-16	High / Ultra	116
	10-20	High	124
120	10-20	Standard / High	149
	12-25	Standard / High	156
	22-36	Standard / High	169
140	10-20	Standard / High	167
	12-25	Standard / High	174
	22-36	Standard / High	187
160	12-25	Standard / High	192
	22-36	Standard / High	192
	30-40	Standard	221
	40-50	Standard	225
175	22-36	Standard / High	225
	30-40	Standard / High	240
	40-50	Standard / High	256
200	22-36	Standard	241
	40-50	Standard / High	257
300	22-36	Standard / High	338
	30-40	Standard	356
	40-60	Standard / High	378
350	22-36	Standard	388
	30-40	Standard / High / Ultra	396
	40-60	Standard / High	423

Additional Consumable Offerings*

Cutting Fluids

- WaferKool 2010
- WaferKool 3010

Anti-Foam

- SAG 2001

Saw Cleaners

- SawKleen

Beams

- IWT 710 beam
- SK-POR beam
custom sizes available

Questions | Request for Quote

To facilitate your order, please provide the following information

Required information:

- Diamond wire
- Wire outer diameter or kerf
- Type of spool

Useful information, if known:

- Wire core diameter
- Wire speed
- Wire tension at slicing
- Diamond grit size
- Process time

*Detailed consumable product information can be provided upon request

Point of Contact:

US : sales@innovwiretech.com | www.somos-iwt.com

Europe & Asia : commercial@somos-nanotec.com | www.somos-group.com

Designed and manufactured by SOMOS-IWT
Part of the SOMOS Group

