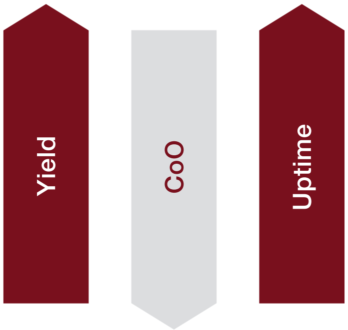
IWT INNOV WIRE TECHNOLOGY

Electro-Plated Diamond Wire

Reduced cost of ownership | Higher throughput

- Faster cut times
  - 6 - 8 x faster than slurry, application dependent
  - Increased capacity with lower capital expenditures
  - Faster ROI to justify initial capital investment
- Roadmap to lower wafer cost and higher throughput
  - Lower cost resulting from reduced TCO
  - Less expensive secondary process costs
  - Re-use of wire
  - Reduced utilities
- Less plant complexity
  - Reduced running costs such as electricity and cooling water
  - Bundled consumables for optimized processing

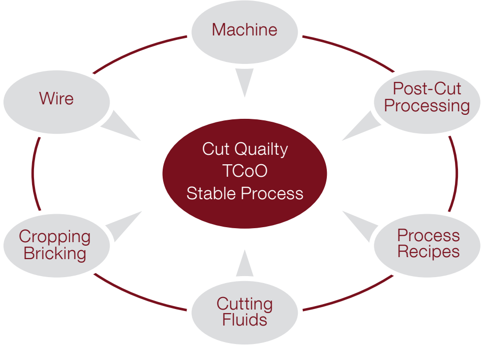


Higher throughput

- Flatter wafers
  - Roadmap for thinner wafers
- Holistic approach to cutting
- Improved wafer topology
- Excellent cutting accuracy

Maintenance and environment friendly

- Fewer wire spool changes
- Cleaner and faster process
- Ability to use water-based cutting fluids



Seamless integration into existing waferline systems

- Innov WIre Technology offers you best-in-class consumables and product support services
- We can assist and support you with the introduction of water-based diamond slicing in your facility
- Through Innov Wire Technology expertise, we are able to offer a consumables package that allows for maximized performance, lower CoO, and increased yield and throughput

Diamond Wire

Electro-Plated Wire Portfolio

Application	Core Diameter (microns)	Diamond Size	Concentration	Outer Diameter (microns)
PV Wafering	70	6-12	High	83
	80	6-12	High	90
		8-16	High / Ultra	93 / 95
	100	8-16	Standard / Ultra	113 / 116
		10-20	High	124
Sapphire & Alternate Material Wafering	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	212
		30-40	Standard	221
		40-50	Standard	225
	175	22-36	Standard / High	225
		30-40	Standard / High	240
		40-50	Standard	256
Bricking | Cropping	200	22-36	Standard	241
		30-40	Standard	257
		40-50	Standard	279
	300	22-36	Standard / High	338
		30-40	Standard	356
		40-60	Standard / High	378
	350	30-40	Standard / High / Ultra	396
		40-60	Standard / High	423
	400	30-40	Standard / High	441
		40-60	Standard / High	468

Additional Consumable Offerings*

Cutting Fluids

- WaferKool 2010
- WaferKool 3010

Saw Cleaners

- SawKleen

Beams

- IWT 710 beam
  custom sizes available

Anti-Foam

- SAG 2001

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:

sales@innovwiretech.com
www.innovwiretechnology.com

We reserve the right to make changes reflecting technical progress 1/2018

Designed and manufactured by IWT
Part of the Thermo Technologies Group