

PRODUCT

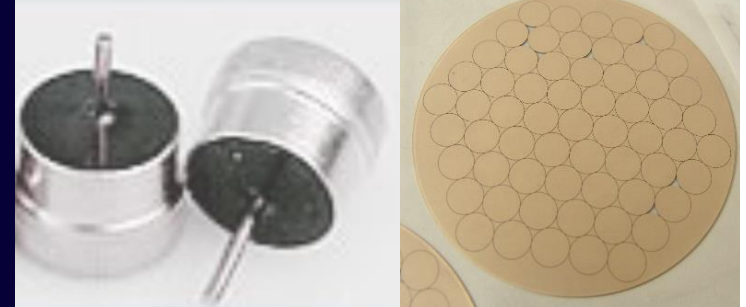
PressFIT Diodes

Actron creates first class quality diodes for standard power stacks. ATC is currently the biggest qualified automotive diode supplier.

Ranges: 25-80A & 20-1000V

LMJ used for:

- Hexagonal square or circular dies singulation



CHALLENGE

Gentle, precise, and fast processing for large inline production

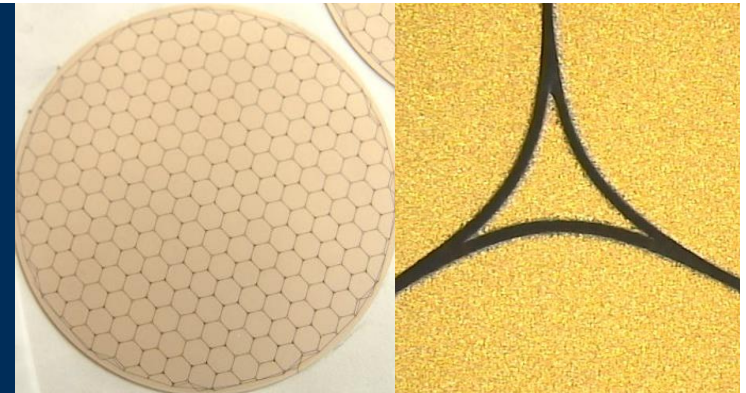
Cutting 0.22mm Silicon wafers with & without gold coating

Main processing criteria:

- Low/no cracks, low chipping & splashes
- Low contamination
- High throughput requisite
- Low cost of ownership
- Narrow kerf width

Machining technologies able to reach these criteria:

- Grinding
- Laser MicroJet (LMJ) - water jet guided laser Technology



SOLUTION

Fact, clean, flexible – Ready for production

LMJ advantages versus grinding:

- Much better edge quality
- More dies per wafer (+33%)
- Much less chipping and cracks: higher fracture strength
- Any shape possible (incl. flat or notch)

Installed machine type:

- 3 x LCS 150
- 100 W green laser



LCS 150

