Facts and Figures

- 2006: Start of DGS at DISCO HI-TEC EUROPE in Munich
- 2009 & 2013: Cleanroom extensions due to increasing demands and capacity limits
- Since 2016: Per month more than 12 000 processed wafers
- Since June 2018: Cleanroom extension of 800 m² total processing area: 1330 m²
- Shift service: 2 shifts / 7 days a week





Part of global semiconductor development through advanced dicinggrinding services.

Contact

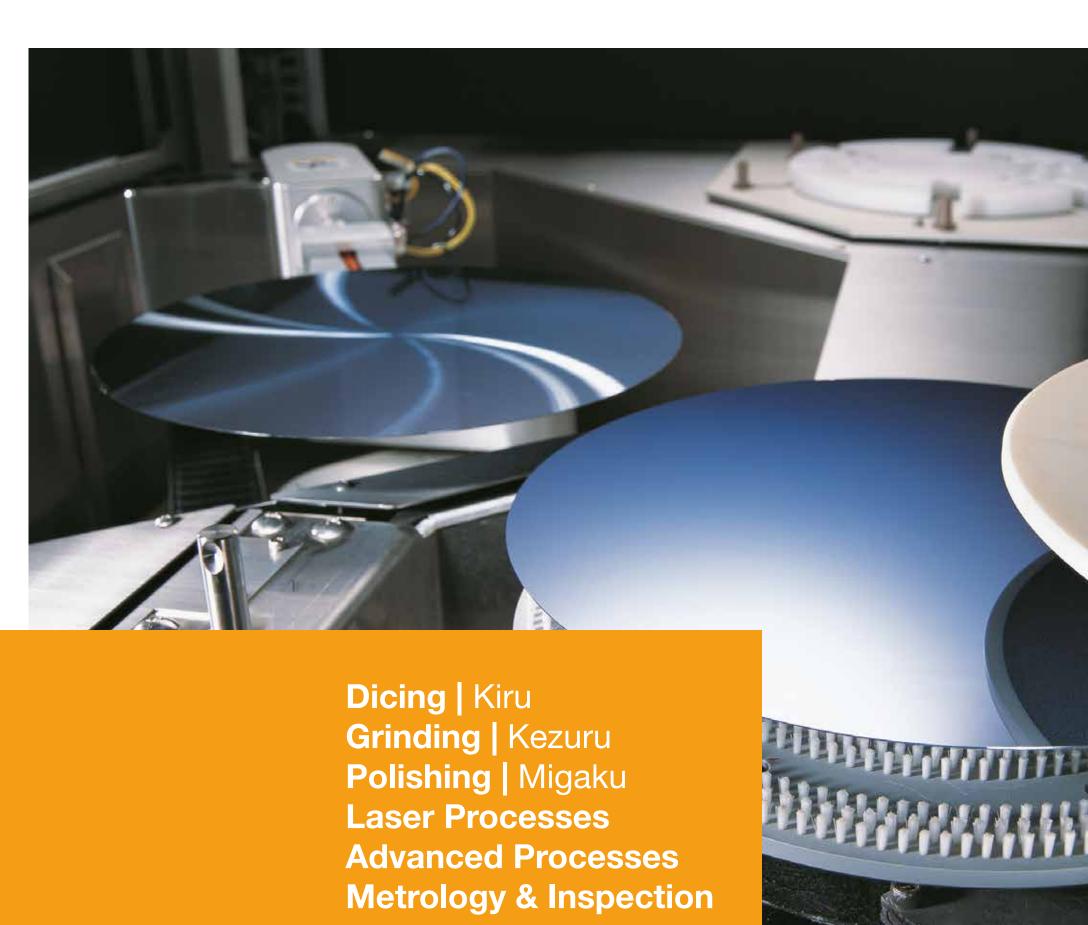
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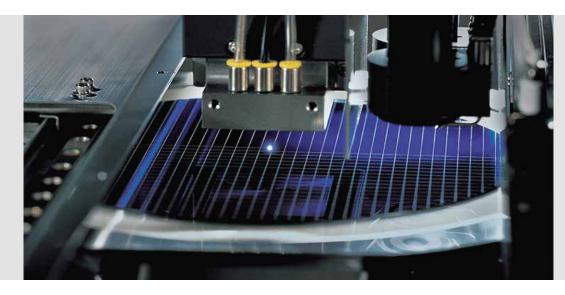


Dicing | Kiru



- Single Cut
- Step Cut
- Bevel Cut
- Pattern Grooving
- Chopper Cut
- Circle Cut
- Edge Trimming
- Ultrasonic Dicing

Laser Processes



- Stealth dicing (SD)
- Stealth dicing of SiC
- Laser ablation
- Laser grooving
- Die attach film (DAF) cut

Why dicing-grinding service by DISCO?

DISCO HI-TEC EUROPE's Dicing-Grinding Service (DGS) is an integral component of any manufacturing stage when it comes to high precision processing of ICs, MEMS, LEDs, other micro components and their inspection/metrology. As a complete service, DGS implements exact customer requirements as well as develops ideal material handling.

Typical materials we process:

- Silicon and other semiconductors
- Sapphire
- Quartz
- Glass
- Bonded Materials
- GaAs

- SiC
- Ceramics
- QFN / Lead frame
- FR4
- Compound materials
- Other materials on demand

Grinding | Kezuru



- Single wafer grinding
- Partial wafer grinding
- Individual (die) chip grinding
- Edge trimming (by grinding)
- Poligrind/Ultrapoligrind
- TAIKO

Advanced Processes



- Dicing before grinding (DBG)
- Stealth dicing before grinding (SDBG)
- Plasma etching
- Surface planarization





Polishing | Migaku



- Dry polishing
- Chemical-mechanical polishing
- Stress relief process for higher die strength and reduction of warpage

Metrology & Inspection



- 3D surface metrology system
- Atomic Force Microscopy (AFM)
- Automated Optical Inspection (AOI)





DGS Quality Management system is DIN EN ISO 9001 and DIN EN ISO 14001 certified and all processes are subject to strict controls.