

## LS<sup>2</sup> Wafer Marking System



### The Wafer marking System LS<sup>2</sup>

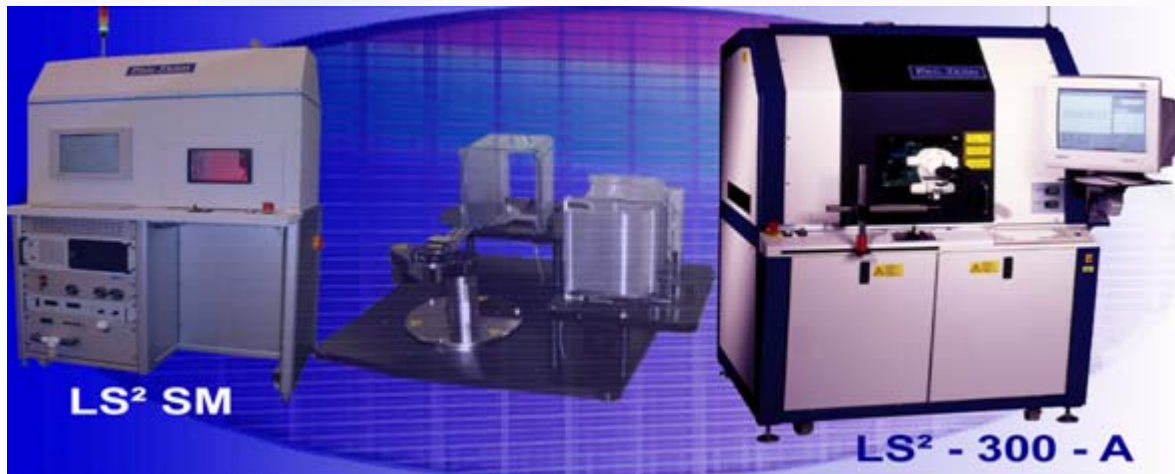
is available in an a fully automatic production compatible version with automatic two cassette wafer handling. *LS<sup>2</sup> 300-A* is 300 mm compatible. It can handle wafer sizes of 4, 6, 8 and 12 inch. Additional a semiautomatic tool *LS<sup>2</sup>-SM* for low volume production, prototyping and development is available.

The *LS<sup>2</sup> - systems* are used for CSP backside marking and for silicon wafers in wafer level packaging.

*LS<sup>2</sup>* allows marking of product logos, cell codes and fond sets for product identification and traceability.

PacTech offers the integrated laser with Infrared (1064) and Green (532) wavelength. The unique feature of *LS<sup>2</sup>* is the integrated quality control *QualMark*.

It allows the control of quality during wafer marking as an *online in situ process control* for fast response to production and it eliminates the additional post process optical inspection.



### Specifications

#### Laser

- Type : 2D scan head
- Automatic calibration
- 300 chars/sec (standard )
- YAG Diode pumped laser
- Power: 8.0 W
- Wavelength: IR or Green\*

#### System Handling

- Wafer size: up to 300 mm
- Quality control during process
- Flat & notch compatibility SEMI
- Cleanroom: Class 10K compatible
- Automatic robot handling system
- Inspection system: QualMark
- Integrated pre-aligner \*

#### Software

- Mark software by PacTech
- Integrated Barcode Reader\*
- SECS GEM Interface

#### Safety and International Standards

- CE compliant
- Semi S2-020, Semi S4-1000\*
- CDRH, TUV, UL\*

\*optional

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