

INTERNATIONAL DIRECTORY OF MARKING EQUIPMENT VENDORS

LEGEND

Marking Technology
 L=Laser (specify types); IJ=Inkjet; P=Pad (ink);
 R=Roller (ink); O=Other (specify)

Interface
 SI, SII=SECS II/II; H=HSMS; G=GEM; O=Other (specify)

Typefaces Available
 V=Variable Fonts; S=SEMI OCR; BC=BC412;
 2D=2D Matrix; 3D=3D Matrix

Marking Type
 MF=Mark full wafer back-side at wafer level;
 AL=Auto-alignment (specify); AM=Auto wafer mapping
 capability; AVQ=Auto-vision quality inspection;
 SS=Conforms SEMI safety guidelines; AS=Auto self-
 diagnose error; T=Traceability (specify); PID=Product
 identification

Company Address
 ✓ Founded
 ☎ Phone
 Web Site

Information that appears in this table was supplied by the vendors.

Marking Area/Device (mm)
 Marking Depth Control?
 Dual Head Marking?
 Marking Characters per Second
 Marking Type
 Typefaces Available
 Package Throughput
 Water Throughput (hour max.)
 Interface
 Software Supplied
 Min./Max. Point Sizes
 Discrete Packages (min. size)
 FOU? SMIF?
 Wafer Diameters (mm to µm)
 Class 1 Compatible?
 Marking Technology
 Year Introduced
 Manual, Semi-Auto or Automatic
 Dimensions (WxDxH in mm)
 Model

* Customer Contact

EO Technics Co. Ltd.
 864-4 Kwanyang
 2-Dong Dongangu
 Anyang, Korea 431-062
 ✓ Not Supplied
 ☎ Not Supplied
 eotechnics.com

200mm diameter	Yes	No	300	MF, AL, AM, AVQ, SS, AS, T, PID	V, S, BC, 2D, 3D	Not supplied	6 (15,000 dies, 200mm Si wafer)	SI, SII, H, G	Windows 2000, CSM 2K written by EO Technics software team	0.6 to 8.0pt.	0.5 x 0.5mm	No, No	100 to 200mm	No	L (Pen-type, solid state laser)	2000	Automatic	2120 x 1540 x 1580	CSM2000
300mm diameter	Yes	No	300	MF, AL, AM, AVQ, SS, AS, T, PID	V, S, BC, 2D, 3D	Not supplied	6 (15,000 dies, 200mm Si wafer)	SI, SII, H, G		0.6 to 8.0pt.	0.5 x 0.5mm	Yes, Yes	150 to 300mm	No	L (Pen-type, solid state laser)	2003	Automatic	2025 x 1648 x 2000	CSM3000

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 Phoenix, AZ 85044
 ☎ 480.598.8660

GSI Lumonics
 39 Manning Rd.
 Billerica, MA
 ✓ 1968
 ☎ 248.449.8989
 gsilumonics.com

Water	Yes	No	300	MF, AL, AM, AVQ, SS, AS, T, PID	V, S, BC, 2D, 3D	Not supplied	Up to 240W/PH per M12-92	SI, SII, H, G	Windows NT	225µm character min.	Water	Yes, Yes	100 to 300mm	Yes	L (Diode Pumped Nd:YLF Laser)	1990	Automatic	1461 x 978 x 1675	SigmaClean and Sigma DSC
1.0 x 1.0mm	Yes	Yes	3,000	MF, AL, AM, AVQ, SS, AS, T, PID	V, S, BC, 2D, 3D	Not supplied	Depends on package size, wafer size, mark content	SI, SII, H, G	Windows NT	225µm character min.	Bare Die 1mm	Yes, Yes	150 to 300mm	Yes	L (Diode Pumped Nd:YLF Laser)	2002	Automatic	2083 x 1473 x 1930	CSP 200 and CSP 300

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 markem.com

Consult manufacturer, integrator dep.	Yes	No	635mm/s (25inches/s)	SS, T, PID	2D, 3D and GUI TrueType fonts, etc.	Consult manufacturer, legend dependent	Consult manufacturer, legend dependent	Consult manufacturer, legend dependent	MARKEM Designer	2pt. minimum	Consult manufacturer	N/A	N/A	Consult manufacturer	U (Drop on Demand)	2002	M, S, A	1461 x 978 x 1675	Model 4000
38 x 38mm	Yes	No	300	MF, AL, AM, AVQ, SS, AS, T, PID	2D, 3D and GUI TrueType fonts, etc.	Consult manufacturer, legend dependent	Consult manufacturer, legend dependent	Consult manufacturer, legend dependent	MARKEM LaserSmith 3000	30mls min., no max.	Consult manufacturer	No, No	Consult manufacturer, integrator dep.	Yes	L (10W CO ₂)	2002	M, S	165 x 597 x 114	Model 301OCR

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