

# Microlase<sup>TM</sup> Fiber\*

## LASER MARKING SYSTEMS



### SYSTEM ACCESSORIES

- *Powered & Programmable Z-Axis*
- *Rotary Indexing Table*
- *2D Data Matrix & Barcode reading and verifying*
- *Scanners & Cameras*
- *Fume Extractors*
- *Additional Side Doors*
- *Nameplate Feed System*
- *X-Y Tables*
- *5-C Collet & 3 Jaw Chuck rotary Indexers*
- *Multiple Lens Sizes*
- *Light Curtains*
- *Manual & Powered Doors*

Schmidt has installed and supported laser systems for a wide variety of customers in industries such as automotive, aerospace, dental, medical, energy, solar, jewelry, electronics, machine tools, and more.

Schmidt lasers provide a fast, flexible and efficient way to permanently mark a wide variety of materials such as, metals, glass, plastics, ceramics, silicon, and organics. Schmidt lasers are commonly used for identification and traceability marks such as serial numbers, date codes, manufacturers info, material flow, barcodes, 2D data matrix, logos, graphics, and more. Schmidt laser systems are also used in non-marking applications such as cutting, drilling, and patterning for processing of materials such as thin sheets, ceramics and silicon.

Schmidt MicroLase fiber lasers can be easily integrated into tabletop marking systems, automated manufacturing cells, and customized multi-axis machine tools. Depending on the specific application requirements, Schmidt fiber lasers can be mounted in a safety interlocked Class I certified enclosure or operated in a Class 4 environment with protective eye wear.



2D Data Matrix Laser Mark



**SCHMIDT**  
MARKING SYSTEMS

(800) 323-1332 • (847) 647-7117

[www.gtschmidt.com](http://www.gtschmidt.com)

Schmidt's extensive knowledge on the various laser sources can help you decide which system is best for your application. We can also custom design a laser system to fit your specific part sizes, marking field and enclosure requirements, or any other system aspect you need. Some examples of our laser options and accessories include rotary indexers for marking round parts, a powered and programmable z-axis, rotary indexing table, 2D data matrix and barcode marking reading & verifying, fume extractors, additional side doors, and nameplate feeding systems.



Custom Laser System Enclosure

## Technical Data\*

### LASERS

<b>Wattage</b>	10W	10W	12W	20W	30W	40W	50W	100W	200W
<b>Fiber Source</b>	Green	Infrared	Infrared	Infrared	Infrared	Infrared	Infrared	Infrared	Infrared
<b>Wavelength</b>	532 nm	1064nm	1064nm	1064nm	1064nm	1064nm	1064nm	1064nm	1064nm
<b>Pulse Rep.</b>	10-600 KHz	10-500KHz	10-500KHz	10-500KHz	10-500KHz	10-500KHz	50-100KHz	20-50KHz	1-50KHz
<b>Cooling</b>	Air	Air	Air	Air	Air	Air	Air	Water	Water
<b>Oper. Temp.</b>	0-45 C	5-40 C	0-40 C	5-40 C	0-40 C	0-40 C	0-40 C	10-50 C	10-50 C

\*Sample offerings, additional wattages are available.

### SCANNING HEADS

<b>Focusing Lens</b>	FL100	FL160	FL254	FL330	FL420
<b>Marking Field</b>	59 x 59 mm	110 x 110 mm	170 x 170 mm	230 x 230 mm	290 x 290 mm
<b>Working Distance</b>	97 mm	175 mm	296 mm	387 mm	493 mm

\*Subject to alterations to accommodate technical developments.



6151 W. Howard Street  
 Niles, IL 60714-3488  
 (800) 323-1332  
 (847) 647-7117  
 Fax (847) 647-7593



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