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LME Series

Part of the LME Series, these Diode Pumped/Solid State Lasers provide high quality markings with low production costs.

Categories: [1064-nm](#), [355-nm](#), [532-nm](#), [app-card](#), [app-gems](#), [app-metals](#), [app-pills](#), [ind-aero](#), [ind-auto](#), [ind-elect](#), [ind-jewel](#), [ind-med](#), [ind-pack](#), [ind-sec](#).

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Product Description

The LME Series of Diode-pumped, solid-state, Q-switch lasers, have output powers of up to 10W at 1064 nm, 14W at 532 nm and up to 5W at 355 nm. They provide high process speeds and high process quality, all while lowering production costs.

- High process quality due to excellent beam quality, power stability, low noise and MATRIX specific pulse control concept
- Fine and micro processing capabilities/micrometer precision
- No mechanical contact between product and tool
- Minimal stress and distortion
- Reduced danger of work piece damage (dicing saws, scribes, drills)
- No tool ware necessary
- No masks or chemicals required
- Disposal reduction
- Cost savings
- Easier handling
- Increase in flexibility
- Environmental friendly
- Processing of hard, thin, and deformable materials e.g. ceramics and sapphire substrates, flexible circuit boards, etc.
- Process and material flexibility
- Excellent reproducibility and quality
- Complete computer control of the machining process and the system enable
- CIM capability

- Just-in-time manufacturing
- Hands and maintenance free operation over thousands of hours
- Complete control of every laser pulse: energy and timing, from the first to the last pulse
- The user can select the optimum pulse mode from a broad spectrum for his/her application
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