



Multi System – Single Source

## STACKLINE SL2000

Automated Laser Bar Stacking and Un-Stacking System

ficonTEC offers a unique system for the automated stacking and unstacking of laser diode bars with its SL2000(i). The system picks bars from BlueTape, GelPaks or customized trays and places them into the stacking fixture with an accuracy of +/- 1µm from bar to bar. The system can handle any combination of laser bars and spacers (dummies) and can generate flush or staggered stacks. The stacking fixture is closed and locked after the stack is completed, securing the stack for handling and coating. The stacking fixture is loaded to the system for unstacking after the coating process. The SL2000(i) system can optionally be equipped with a fully automated visual

device inspection. Inspection of the P-side, N-side and facets is available. The bars will be sorted in the designated GelPaks or WafflePaks based on the inspection results and the system then creates labels for those packs.



### FEATURES

- + Fully automated high speed operation
- + Pick up from Bluetape, GelPack or customized trays
- + Field proven customized stacking frame design
- + Alignment accuracy typical +/- 1µm facet to facet
- + Optional automated optical facet, P- and N-side inspection
- + Open software architecture
- + Advanced software tools with offline programming functionality
- + SQL-Database connectivity

### APPLICATIONS

- + Fully automated Laser diode bar stacking and unstacking in high volume production environment
- + Handling and sorting of Laser diode bars and single dies

Please contact us for further information.