



ALM Series

Laser Markers (ALM-610, ALM-610-NS)

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The ALM-610 (Auto Infrared Laser Marker) and ALM-610-NS (Auto Nano Size Laser Marker) are both designed for DediProg's online laser marking on programming handlers. Both models integrate seamlessly with DediProg's automated programming system. The IC top marking area supports sizes up to 30×30 mm. The ALM-610-NS is specifically designed for small devices such as WLCSP and BGA (1.5×0.85 mm).

Specifications

| | ALM-610 | ALM-610-NS |
|--------------------------|---|---|
| Spectrum | Infrared-Fiber | Ultraviolet |
| Wavelength | 1064nm | 355nm |
| Output Power | 20W | 3W/20Hz |
| Power Supply | 220-240Vac, 50/60Hz | 220-240Vac, 50/60Hz |
| Power Consumption | 0.5KW | 1KW |
| Machine Dimension | 1400*300*1500mm | Main: 600x800x1350mm IO: 1500x310x1550mm |
| Marking Speed | ≤ 7000mm/s | ≤ 7000mm/s |
| Marking Area | 30*30mm | 30*30mm |
| Working Distance | 182±2mm | 192±5mm |
| Min Character Size | 0.3mm | 0.11mm |
| Min Marking Depth | 0.08mm | 0.02mm |
| Min Marking Line Width | 0.025mm | 0.018mm |
| Cooling Method | Air Cooling | Water Cooling |
| Laser Position Tolerance | With Laser Positioner *A Must for BGA & IC Size < 2 x 2mm 0.1mm | 0.1mm |
| | Without Laser Positioner 0.5mm | 0.5mm |

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