

# 2DID Laser Marker LM502

Design for marking 2DID code on lead frame, substrate with simple and user-friendly interface that has been applied to many assembly houses at front line process.



## Feature

- Stack type compatible with QFN, SOIC, LQFP, BGA & FBGA
- Unique PnP design one for product, one for interleaf
- Compact machine design saving production layout space

## Sample Test

3x3mm

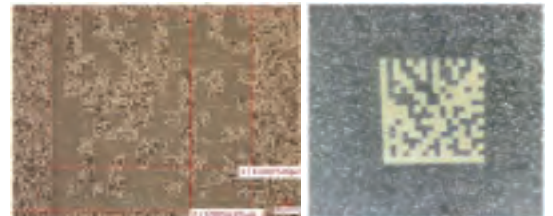
2.5x2.5mm

2x2mm

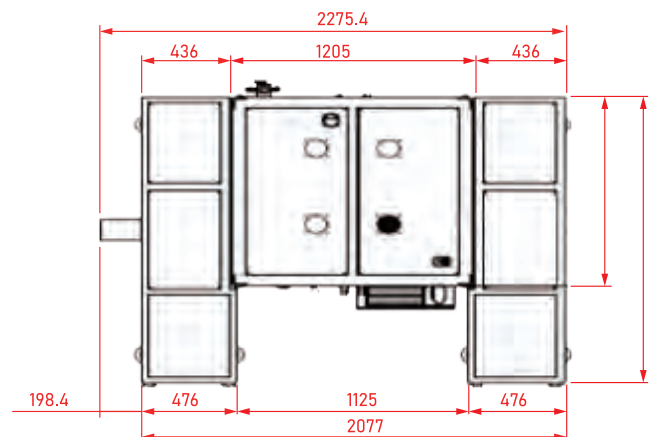
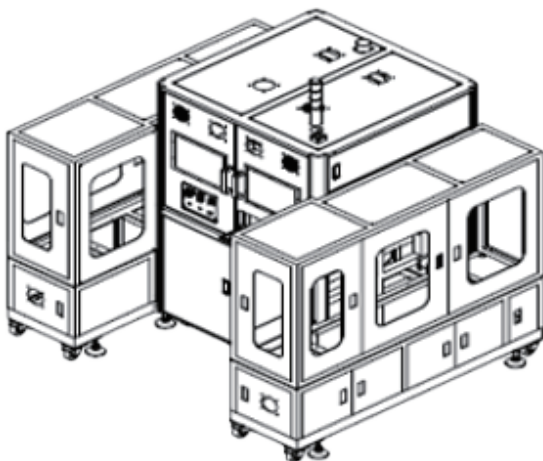
1.5x1.5mm



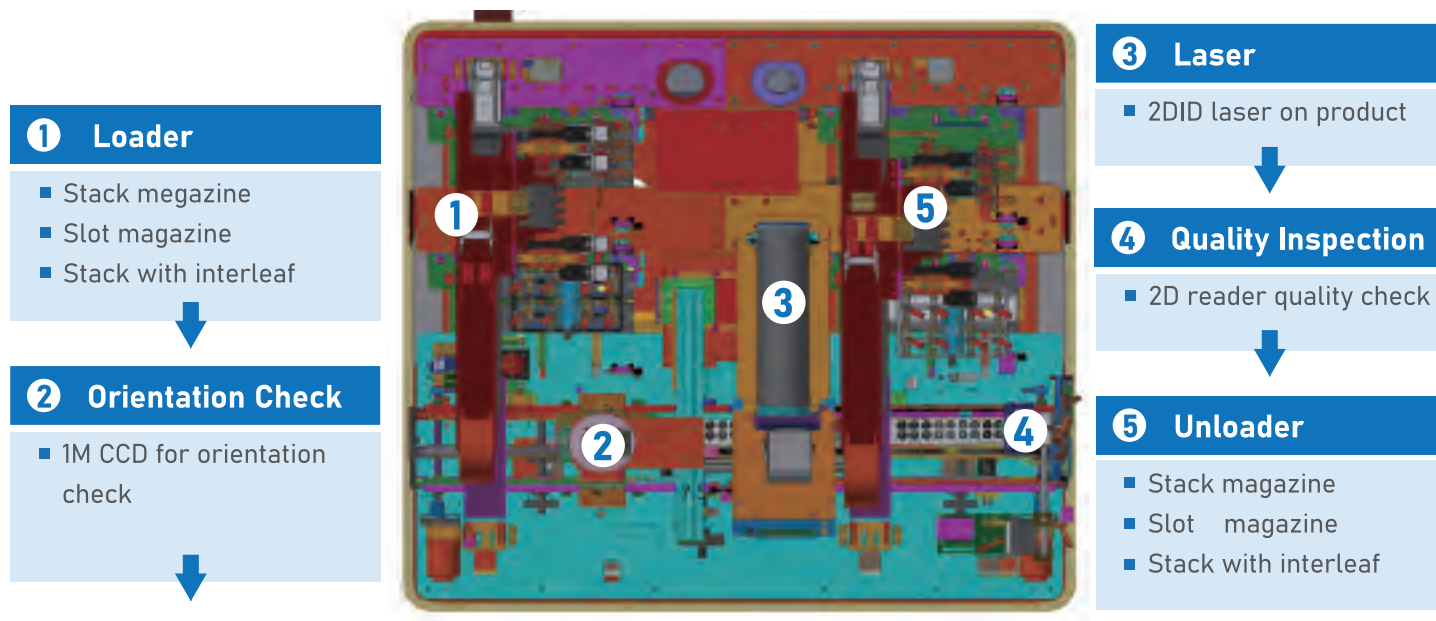
1.0x1.0mm



## Machine Layout



# Process Flow



## Specification

Slot to Slot Magazine	1770(L)x2200(W)x2000(H)mm
Stack to Stack Magazine	1170(L)x1185(W)x2000(H)mm
Load-unload	Strip type W20-100mm / L200-300mm
Load-unload Type	Stack / Slot Magazine
Pin1 CCD Position	Top or Down
Quality Inspection	2D reader (optional with X-Y table)
Warpage Handling	≤2mm
Change Over Time	≤10 mins
Marking Accuracy	±100 um
Laser Type	Fiber, IR, Green, UV
Laser Marking Area	120 x 120 mm
Carrier Type	Belt with Lifter
Estimated UPH	SPH = 1200(Without Laser and QC time)
MTBA	> 120 mins
MTBF	> 168hrs

