

■ High Productivity

■ Field Proven Excellent Ablation Quality

- High precision motion control for ablation quality
- Individual beam control feature
- Excellent ablation laser performance for maximum quality & UPH

■ Excellent Dust Collection & Cleaning Capability

- High power dust collecting system
- Unique dust collecting design
- Ultra sonic cleaning capability

■ Supreme Vision Inspection

- High pixel resolution enable more precise measurement
- Optimized lighting system



LASER ABLATION

■ Supreme Vision Inspection

• 1st vision: Strip orientation, Turnover, Reject unit identufication

• 2nd vision: Strip alignment (PRS)

• 3rd vision: Missing ball, Hole pitch, D1/D2 diameter

■ Optimized Vision Inspection Item

Overlap holes







Various ball size









450μm D1 620µm D1

 $D2-300 \mu m$ D2-200µm

 $D2-230 \mu m$

 $D2-280 \mu m$

Enhanced Machine Features

- Highest machine reliability & stability
- Longer laser & pump lifespan
- No consumable & maintenance free for laser
- Provision for inline with other process machine
- Flexibility to handle any type of ball grid
- Low cost of ownership

