Model JFP PPOne Stacker
Multi stages configuration
Laser Diode Bar Stacker – Unstacker system

The PP-One Platform designed for accurate Pick & Place of delicate devices is a perfect tool for handling Laser Diodes/Bars. Specific Laser Bars ejector kit is used to pick the Bars directly from wafer hoops ...

The machine provides a simple solution for automatic placement of separator devices, with automatic Feeder/Stacker units. Wafer tape or customer magazine Vision magnification is continuously adjustable.... Small local zoom windows can opened at the edge of bars to achieve high accuracy placement.

STAGE CONFIGURATIONS

• Two Stages
  • Wafer tape to gelpack :
  • Wafer tape to stacker #1

• Three stages
  • Wafer tape / Bar stacker #1 / Spacer stacker #2
  • Wafer tape / Bar stacker #1 / Spacer tape

• Four stages
  • Wafer / Bar Stacker / Spacer #A stacker / Spacer #B stacker

• Unstacker
  • Upon configuration
### Specifications

<table>
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<th>Model:</th>
<th>PPOne Stacker</th>
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| Pick & Place Head | Minimum component size 150*150μm  
Maximum Bar size up to 25mm  
Wafer Rings up to 150mm  
WafflePak, GelPak, 2”x2”  
Customized Pick-up Tool, upon application |
| Workholder: | Up to 4 working stages combinations  
• Automatic STACK feeders  
• Stack Height up to 20mm  
• Stack, Theta alignment by micrometer  
• Removable Stack unit  
Customer-STACKER integration, upon compatibility  
• Automatic Stack Feeder(s) for separators  
Bars |
| Vision & Alignment | Field of view: 25mm  
PIP Lenses Windows, (Local Optical zooms).  
Vertical vision of Bars and package  
Up to 4 CCD Color Vertical UHD cameras  
1 vertical camera system per stage  
Digital CrossHairs+Box+Dual pip Lenses per camera  
Adjustable digital video Box generators  
2 TFT monitors, 17”  
Ring LED lightings adjustable  
• Inspection/Process Camera+Zoom+Monitor |
| Features & Parameters | Low Picking Force: <4 g  
programmable touch down speed for delicate device |
| Technical Specification | Power: 100 / 230VAC 300watt  
Dry air 5 bar  
Vacuum: 90%  
Dimensions: 650*680*620mm |