

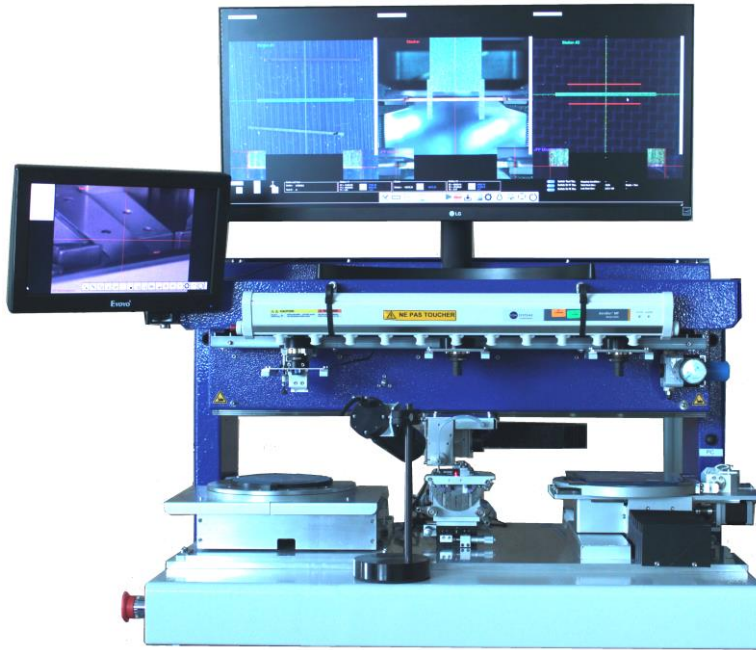
JFP PP-One



The machines which require minimal training to operate

MADE
IN FRANCE

- ▶ **FULL AUTOMATED PROCESS**
- ▶ **MICRO-PLACER**
- ▶ **SMALL PARTS PACKAGING**
- ▶ **EPOXY DIE BONDER**



Click the following link to view the video <https://youtu.be/c9zTBWwUapM>

- The Manual Sorter PP-One model is designed for accurate Picking and Placement of delicate IC devices, Laser Diodes /Sensors and micro-Mechanical Parts.
- PP-One Platform is compatible with wafer ejector kit to directly pick the components from wafer hoops...
- Dual head solution provides an integrated solution including epoxy stamping or dispensing.
- Motorized table for Automatic Dispense pattern / Step and repeat substrates.
- New High resolution UHD Cameras : magnification/Zoom is continuously adjustable.... Overlay chip into destination/Place area, improves chip placement accuracy using proper programmable magnification(s).
- PP-One, full automated process, is a robust and reliable mechanical concept, easy to use, flexible, requires only minimum training to operate.



TECHNICAL SPECIFICATIONS

VISION-ALIGNMENT SYSTEM

- Field of view : Zoom programmable
- Optical Resolution : 2µm or 4µm/pixel
- Std Field of View : 10 / 15 mm
- 2 CCD Color UHD cameras 5Mp
- Digital CrossHairs
- Programmable video Box generators...
- Monitor 29" 16/9

FEATURES/PARAMETERS

- Low Picking Force : <6 g
- Slow touch down speed for delicate device
- Edge to Edge Placement repeatability : 2 µm
- Bond Head X Transfer repeatability : +/- 5µm
- Place Force adjustable

OPTIONS

- Dual head for stamping/Dispensing option
- Stamping, rotary dish and adjustable blade
- Micrometer X&Y, Theta Stage Bases (Pick//Place)
- Dual Camera
- Force up to 500g
- Eject system for wafer (Hoops or Frame)
- Automatic X&Y Place, motorized table Kit
- Inspection Camera + Zoom

TECHNICAL SPECIFICATIONS

Power : 100 / 230VAC 300watt
Dry air : 5 bar
Vacuum : 70%
Dimensions : 650*680*620mm
Weight : 50 kg. 60kg incl. Monitor

SYSTEM

- Table Top machine.
- Motorized Transfer Arm X +Vertical Z
- Vacuum Tool holders
- Dummy cycle : 2 500 cph
- Throughput :
Manual stages : up to 600p/hour
Motorized stages : upon process

DIE & SUBSTRATE

- Chip size : 100µm up to 15mm
Larger chip on configuration
- Wafer sorter, up to 8".
300mm on request

WORKHOLDERS

- Manually handled or Motorized
- Height adjustable workholders
- Working area : 200x300 mm

PP-One also provides appropriate platforms for :

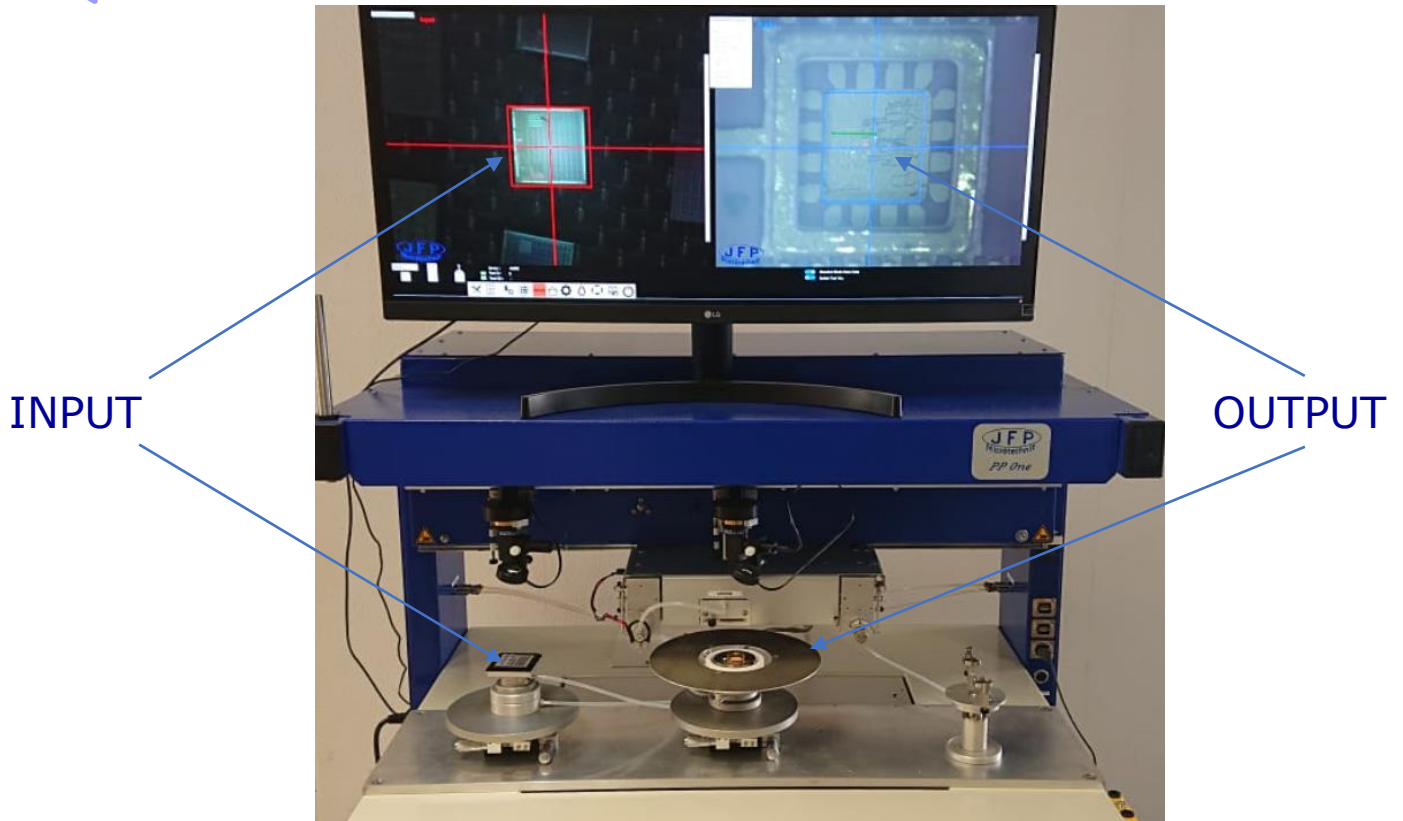
- Compact Laser Bar Stacker /Unstacker
- Characterization/Test and sorting of lasers
- Standard and customized test(s)

Ask factory

JFP PP-One



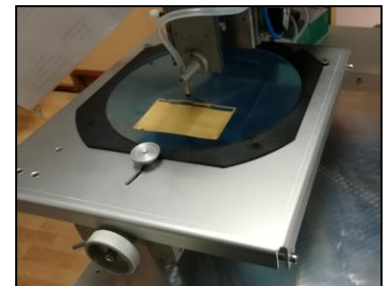
The machines which require minimal training to operate



Full Automated Process

INPUT

Eject system for wafer on blue tape



Gel pack/Waffle pack



Single or Multi needles or customized

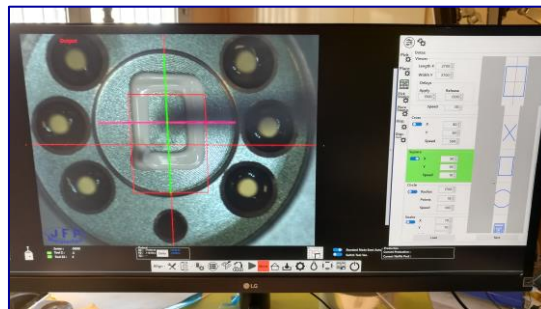
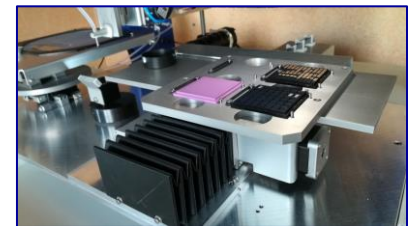
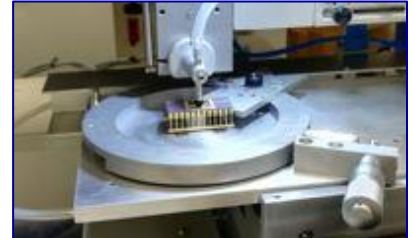
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OUTPUT

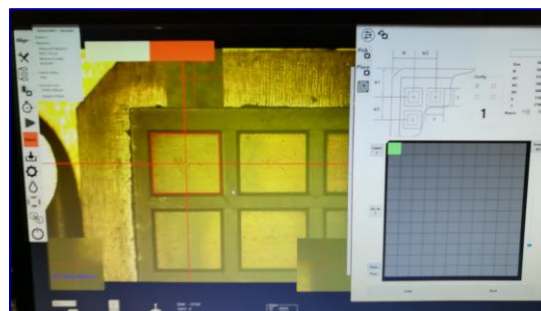
Micrometric table XY

or

Motorized table XY



Automatic Dispense Pattern
Pattern editor
(cross, line, circle)

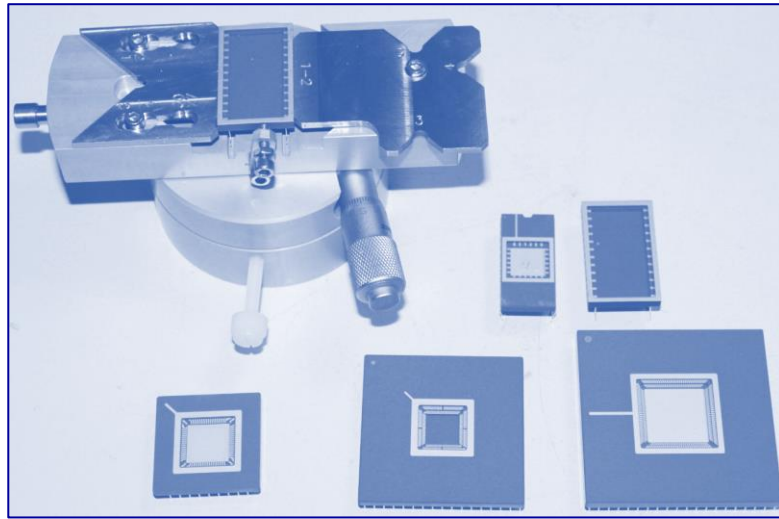


Step and repeat modules for automatic
dispense and placement

JFP PP-One



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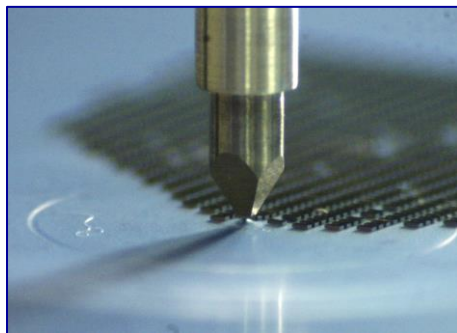
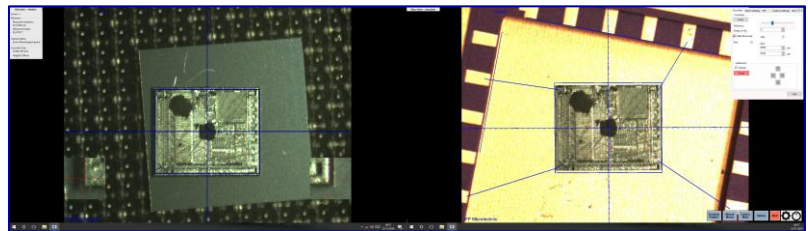


Customized workholder

JFP SOFTWARE

Crosshairs

Zoom, Overlay images, Markers



Process camera

- For live view
- To easily adjust parameters

