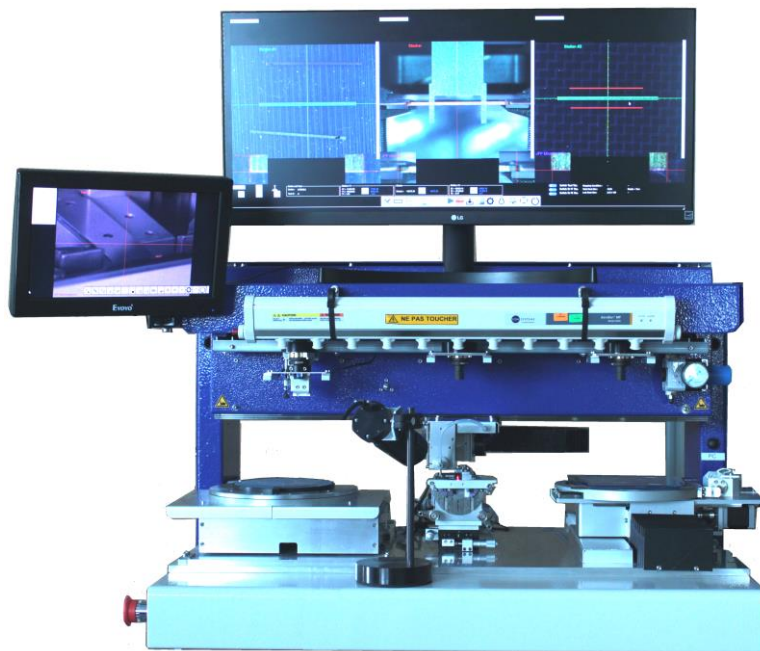


The machines which require minimal training to operate

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

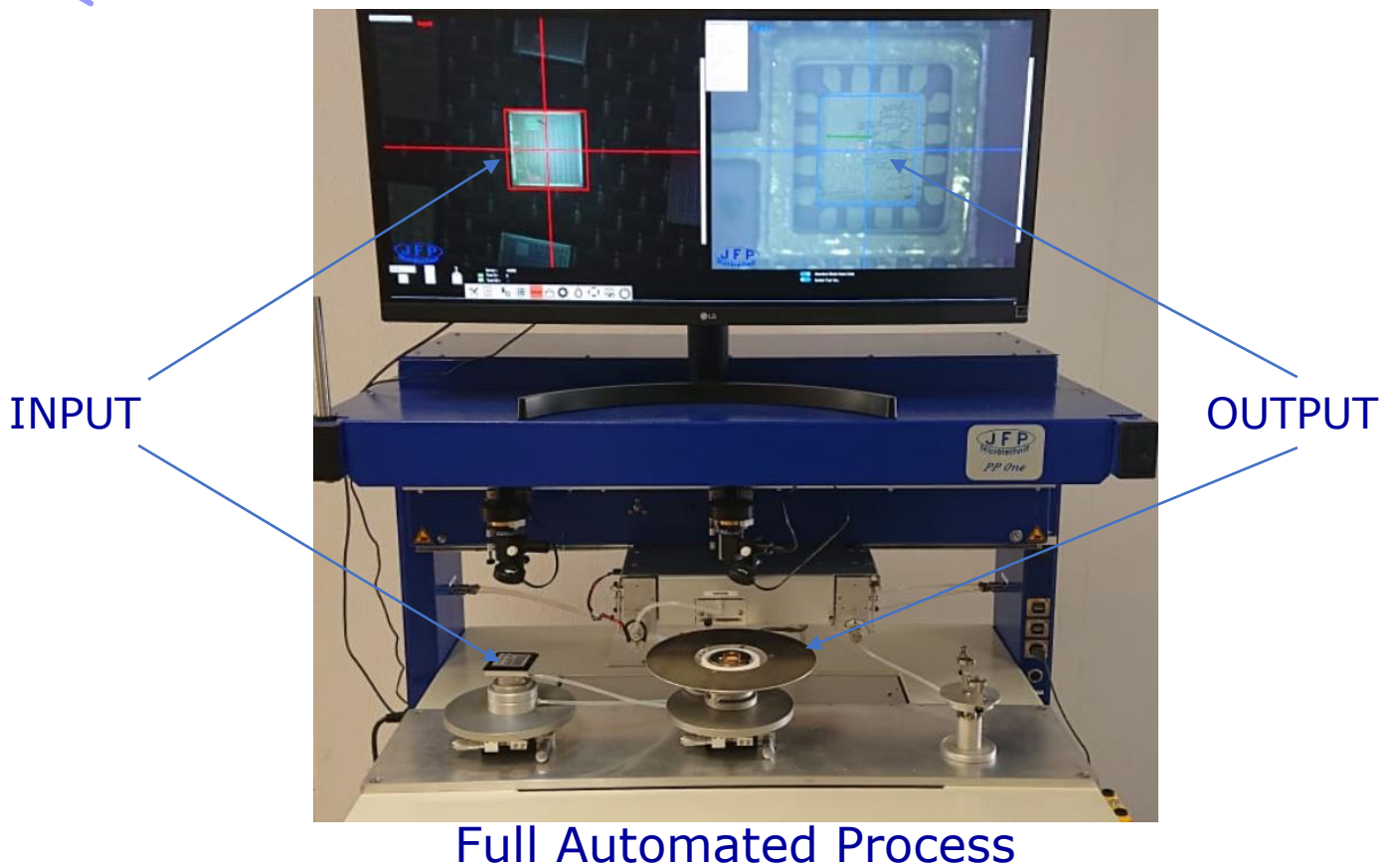
- Manually handled or Motorized
- Height adjustable workholders
- Working area : 200x300 mm

PP-One also provides appropriate platforms for :

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

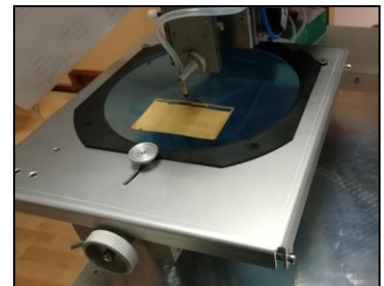
Ask factory

The machines which require minimal training to operate



INPUT

Eject system for wafer on blue tape



Gel pack/Waffle pack



Single or Multi needles or customized

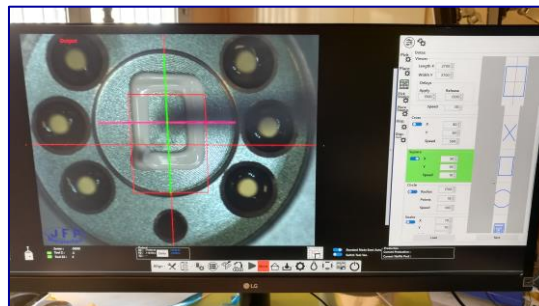
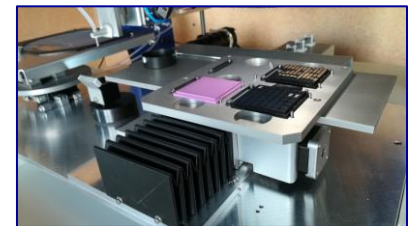
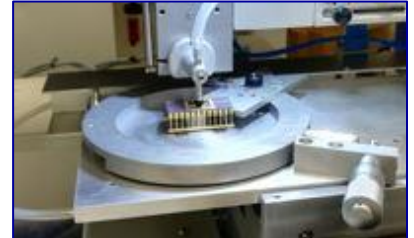
The machines which require minimal training to operate

OUTPUT

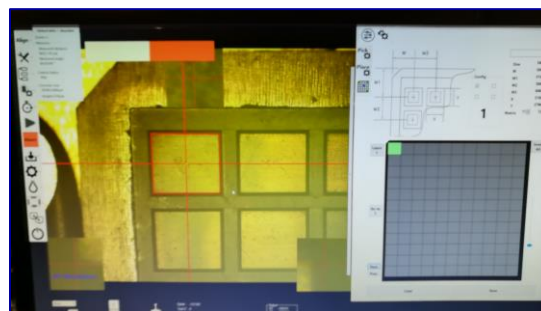
Micrometric table XY

or

Motorized table XY

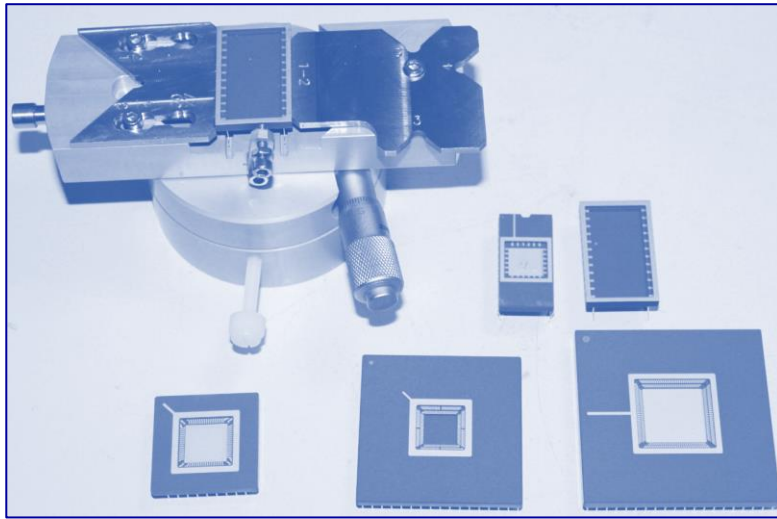


Automatic Dispense Pattern
Pattern editor
(cross, line, circle)



Step and repeat modules for automatic
dispense and placement

The machines which require minimal training to operate

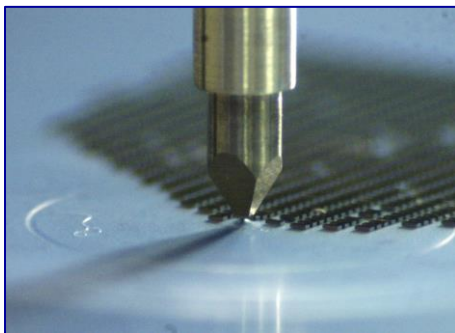
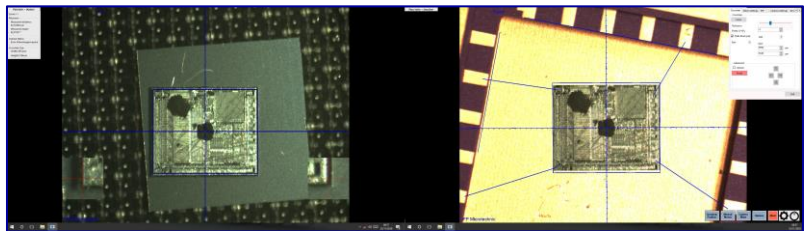


Customized workholder

JFP SOFTWARE

Crosshairs

Zoom, Overlay images, Markers



Process camera

- For live view
- To easily adjust parameters

