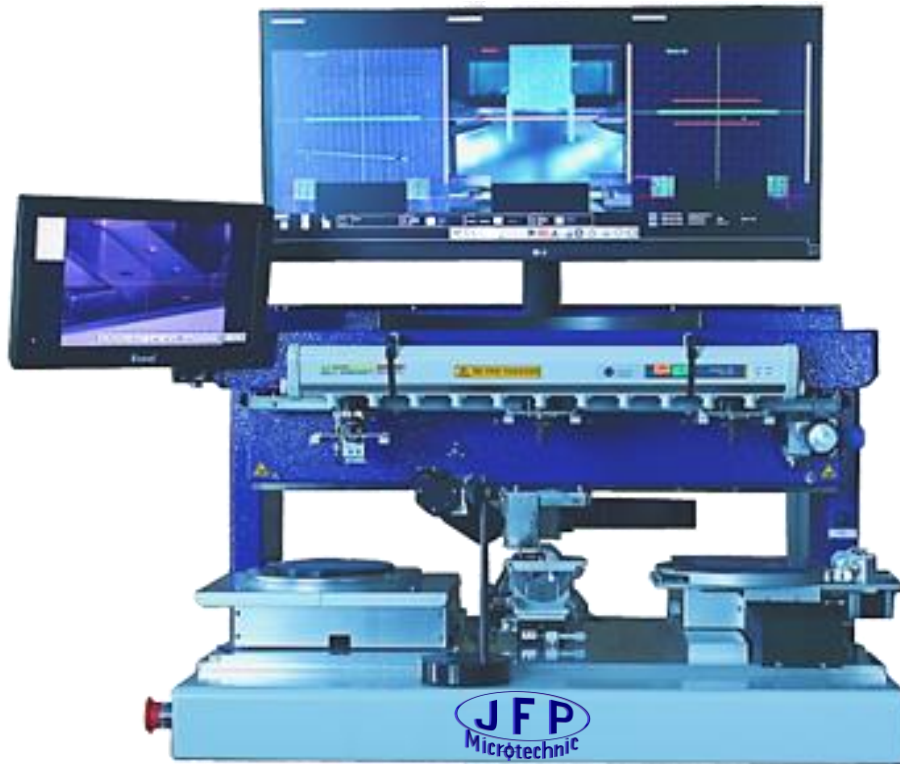




Laser Bar Stacker Unstacker

MADE IN FRANCE



WHY CHOOSE JFP PP-One STACKER



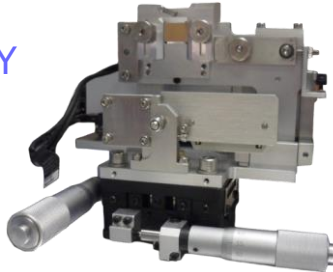
- The PP-Stacker Platform is designed for accurate Pick and Place of delicate devices, perfect tool for handling Laser Bars.
- Automated stacking and Unstacking of laser diode bar or laser bar.
- Specific Laser Bars ejector kit is used to pick the Bars directly from blue tape, gelpack or customized tray and places them into the stacking fixture.
- Creation of your sequences for bar and 2 spacers (Dummies).
- Vision magnification is continuously adjustable for all laser bars sizes.
- Main calibration with direct vertical vision.
- PP-Stacker is a robust, and reliable mechanical concept, flexible.
- Dry cycle (one bar, one spacer) : 600 p/h,
- Easy to use, requires only minimum training to operate.



Stacker fixture

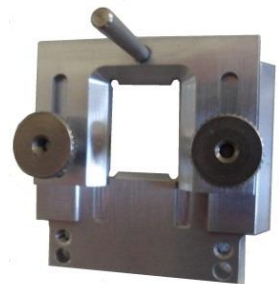
Automatic Stacker fixture

- Micrometer table XY
- Motorized Z Lift
- Error Detection



V2018 PPOne stacker

Manual eject system and 2 stacker fixtures

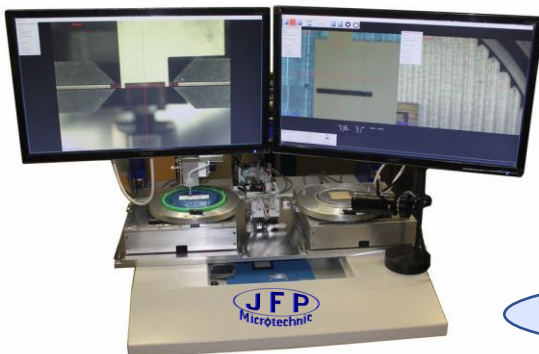


**Magasin Cartridge
for laser bars**



V2018 PPOne stacker

2 Automatic eject systems



CONFIGURATIONS PER STATION

- Manual Eject system for laser bars on blue tape
- Manual holder for waffle/gel pack for spacer (dummies bars)
- Automatic XY theta Eject system with heater grid for laser bars on blue tape and wafflepack 4"
- Automatic YX theta table for waffle pack 4" and 7" and wafer ring diameter 185 mm
- Automatic stacker fixture for spacer (dummies bars) up to 2 units
- Customized station

Technical Specifications

LASER-BAR

- Bar length size.. up to 35mm
- Minimum Cavity size 150µm
- Minimum thickness 80µm
- Wafer , WafflePack, GelPack 2' or 4"
- Customized tray

VISION-ALIGNMENT SYSTEM

- Monitor, 29"
- Field of view : adjustable per camera
Zoom, FOV : up to 35 mm.
- Vertical vision of Bars and Stack package
- 3 UHD (5 Mpx) Color Vertical cameras
- Adjustable digital video Box per camera
- LED lightings adjustable

STACKER/UNSTACKER FIXTURE

- Automatic STACK feeders: for Bars and/or Spacers
- Stack Height up to 20mm
- Stack, XY alignment base by micrometer
- Customized or JFP bar fixture holder

FEATURES/PARAMETERS

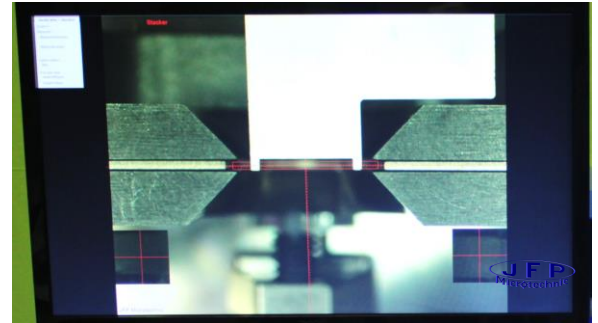
- Very Low Picking Force : <5 g
- Stack Data logging and Detection failure
- Production 5s/bar

Power : 100 / 230VAC 1kwatt
Dry air 5 bar , Vacuum : 90%
Dimensions with frame : 900*830*1750mm

Software

Direct View on the 3 cameras

- No offset Camera-tool
- Fast calibration
- Accurate and easy tracking



CONTINUOUSLY ADJUSTABLE MAGNIFICATION

- Digital Zoom X11
- 3 PIP for easy to use

BAR OF 20x 0,6 MM

PIP1 shows lower left corner zoomed windows
PIP2 shows lower right corner zoomed windows

STACKER SEQUENCES

- Sorting station 1 to station 3
- Station 1 to Stacker fixture
- Station 2 to Stacker fixture
- Station 1 to Stacker fixture from pick station 2 to Stacker fixture
- Create your own Stack Sequences
- Stack Logging recording

UNSTACKER SEQUENCES

- Pick Stacker fixture and place to station 1
- Pick Stacker fixture and place to station 2
- Pick Stacker fixture and place to station 1 and pick Stacker fixture and place to station 2
- Create or reload your own Stack Sequences
- Unstack upon logged data

Create your sequence !

