

# JFP WB100-e

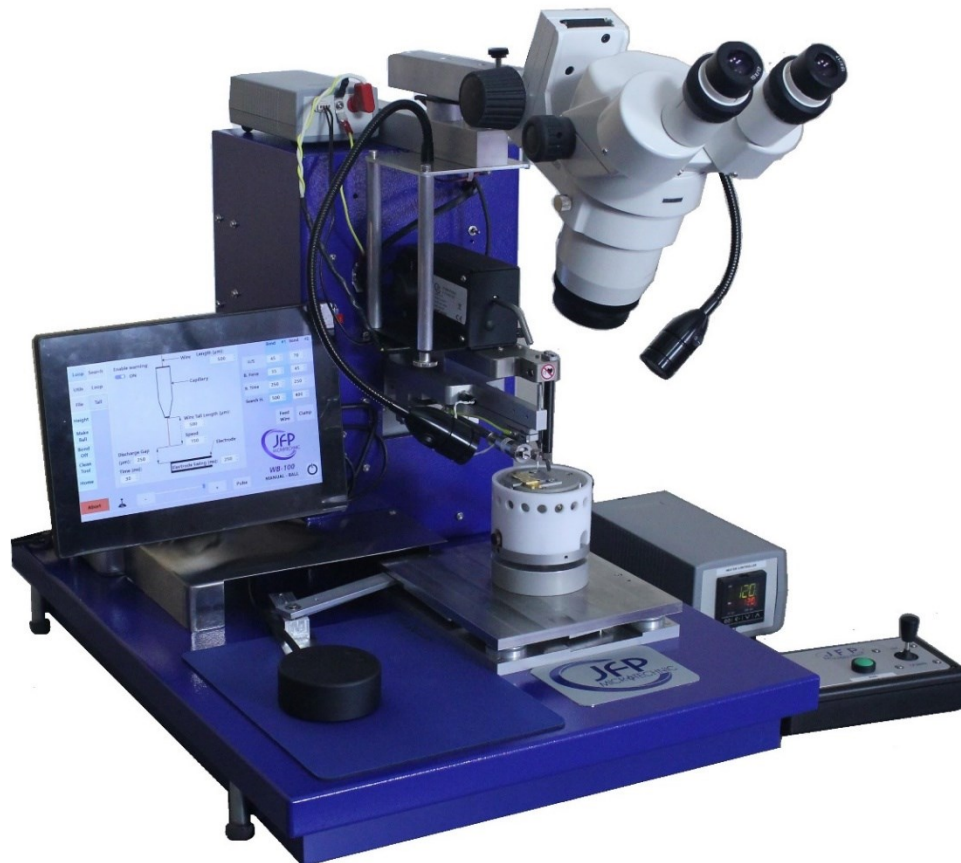
*The machines which require minimal training to operate*



## MANUAL & SEMI-AUTOMATIC WIRE BONDER

**Motorized Z Axis / Step back Y  
Wedge & Ball bonding**

MADE  
IN FRANCE



- **The WB100-e** is designed as a multi-purposes semi automatic wire bond tool for R&D purpose, prototype and small series production.
- **Flat bench Top size** to allow easy carriage and operation.
- **Optional, Full Manual Z mode** for simple repair, not program dependent.
- **Optional, Loop Profile.**
- **Higher z resolution** and increased Z travel for higher flexibility and sensitivity for very fine wire, required by worldwide laboratory requirements.
- **Versatile** wire bond tool.
- **Perfect ergonomic design.**
- **Easy setup and high flexibility** for multiple application.

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## SYSTEM

- Table Top machine
- Wire: 17µm up to 50µm
- Bond Arm Length : 165mm (6.7")
- Deep-Access bond Head 16mm
- Motorized Z Bond Head
- Step back Y **OPTION**
- Manipulator : 8:1 X-Y ratio
- Heater Stage HP60
- Semi-automatic mode
- Manual mode
- Manual Z mode **OPTION**
- Automatic motorized wire Feeder
- Electronic Flame-off
- Missing Ball detection/alarm

## OPTICAL

- Std Binocular SMZ-171 Motic
- Light: Double arm LED Light source
- Optional Camera for Bond assistance

## Technical Specifications

Electrical Requirements	100 / 240V , 50-60Hz
Current	max. 5A
Dimensions	450x600x500 mm
Weight	27 kg

## PARAMETERS

- Touch screen 10"
- Graphic Display
- Bond Force 1, 2 & 3
- Bond Time 1, 2 & 3
- Bond Power 1, 2 & 3
- Loop Height, Loop profil
- Search Height
- Tail length
- Automatic Bond Height detection
- Work Temperature
- Unlimited Ball / Wedge recipes saveable

## TECHNICAL DATA

- Ultrasonic system: PLL, 62khz
- Power: 0-5 watt
- Bond Time : 0-10 000 msec
- Force: 10- 150 cN
- Capillary tool : 1,58mm (1/16") diameter
- Z travel, motorized : 40 mm
- Step Back Y, Motorized: 20 mm
- Throat depth: 200 mm
- Chessman ratio 8:1
- Fine X -Y motion : 16 mm

## VARIOUS/OPTIONS

### Heated Workholder



HP-60 Heated Workholder 60mm diameter  
HP-100 Heated Workholder 100 x100 mm

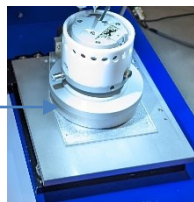


### Automatic Wire Despooler

Extra spare to be used as storage and wire identifier purposes



### Loop profile with Step Back Y



### TOOL HEATER

Power supply : 19v  
Wire diameter: 1mm

### HEATED WORKHOLDER

- Temperature: max 250°C
- Heat controller: +/- 1°C
- Work Height : 100 mm
- Height adjustable for parts of 20 mm thick
- Rotation : upon workholder type