



**fancort industries, inc.**

TM



# Press-Fit Technology

Solderless Connections

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## PFM-1000 Servo Press-Fit Machinery

PFM-1000 servo press-fit machine is designed for those inserting flexible or rigid pins of connectors into plated through holes (PTHs) of printed circuit board (PCB) without soldering. It is reliable and easy to operate.

## Features

- ▶ H frame: two horizontal frames and two vertical bars with high compressive strength and hard to deform to ensure high accuracy, large worktable for PCB of large size.
- ▶ Servo motor drive: real-time monitor pressure, position and speed to avoid excessive force or low force.
- ▶ Force monitoring software: closed-loop control and SPC data management to ensure the quality and traceability.
- ▶ PC control: parameters set through computer, SPC management, log management, user authority management and program management.
- ▶ Pressure Velocity Feedback System (PVFS): real-time monitoring pressure vs distance change rate to control the press-fit process.
- ▶ Auto save and analysis pressure curve software module.
- ▶ Teaching function by manual together with database
- ▶ Air flotation to support PCB moving.
- ▶ Raster safety protection device.
- ▶ Laser alignment device for positioning.
- ▶ Machine is ESD safe.
- ▶ Database driven software for simple programming and automatic setup vis Windows.
- ▶ Emergency stop mounted on the front of the machine.
- ▶ Adjustable PCB support to provide production flexibility.

<b>Operation System</b>	Windows 7
<b>Max Press-Fitting Pressure</b>	25KN/60KN
<b>Max Stroke</b>	100mm (customization)
<b>Z-Axis Speed</b>	0.05-30 mm/s
<b>Position Accuracy</b>	+/- 0.02 mm
<b>Pressure Accuracy</b>	+/- 5%
<b>Size of Press Head (L x W)</b>	300 x 60 mm (customization)
<b>Size of Worktable (LxW)</b>	920 x 925 mm
<b>Moving Mode of Press Head</b>	Left and Right
<b>Moving Mode of PCB</b>	Air Flotation Supporting
<b>Selling Paramaters</b>	Computer
<b>Safety Protection Device</b>	Raster Sensor Device
<b>Tool Positioning</b>	Laser Positioning
<b>Power Supply</b>	AC220V, 2500W
<b>Compressed Air</b>	0.50a MPa
<b>Dimensions of Machine (L x W x H)</b>	1400 x 1100 x 1920 mm
<b>Weight</b>	1000kg
<b>X-Y Movement</b>	Auto/Manual
<b>Mode of Operation</b>	Semi Auto and Manual



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