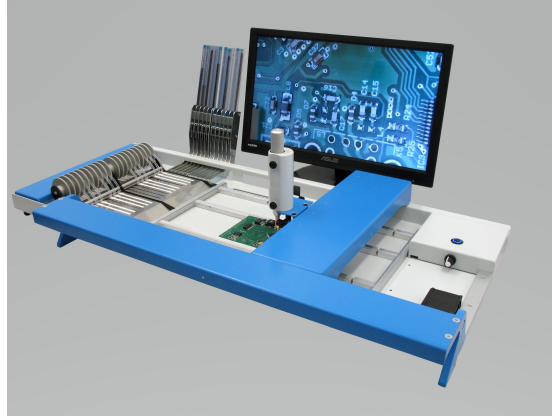


MPP1 PICK & PLACE MANIPULATOR



The MPP1 Manual Pick & Place Manipulator is a compact system intended for manual assembling of PCB prototypes or small series PCBs. The assembly head performs a smooth movement in both X and Y axis and therefore it allows the user to comfortably pick the components from the feeders and put them gently and accurately onto a PCB. Precise movement of the header in Z axis direction, allows very gentle placing of larger components (Integrated circuits, processors) into the Solder paste, using the integrated vacuum switch. Rotation of components can be regulated by a button on the manipulator head. Effective lighting is also integrated in the assembling head.

Features:-

- Perfect ergonomics
- Very efficient working area of 380x295mm
- Placement made easier by an optional colour camera connected to a 9" TFT LCD monitor
- 0201 Placement accuracy
- vacuum pump with selection of syringes
- Arm support assures a comfortable position for operator
- Sensitive head with 360° rotation of pipette
- Efficient lighting built into the arm
- Optional Feeders ensure machine is suitable for taped or reeled components
- Vacuum pump delivered as standard
- 3 Board supports
- <70dB(A) Sound level
- 230V at 50/60Hz Electrical supply

The MPP1 can also be ordered with a camera vision system upon request. The camera system makes assembly of small components like 0603,0402 and QFP much easier. Pictures from the camera can be shown on a LCD display. We supply a high performance vacuum pump with a regulation valve that allows regulation of under pressure with the MPP1. There is also an optional Solder Paste dispenser available that can be used with the MPP1 unit.

Standard package contains: Assembling desk with a moveable shoulder support and an assembling head, 230V/12V adapter, vacuum pump, 3 pcs of printed circuit board holder, 2 pcs of rubber sucking cups, 2 pcs of replaceable needles.

Additional order / optional accessories: Tape components feeders, reel holders, ICs feeders, Camera and LCD screen with accessories, spare rubber sucking cups and needles. Solder Paste Dispenser

FORTEX

Maximum Size of PCBs the unit can accommodate : 350 x 210mm
Operating Voltage : 230Vac 50/60Hz
Size of Unit : 790 x 390 x 170mm
Weight of Unit : 6Kg

<i>Part No</i>	<i>Description</i>
MPP1	MPP1 Pick Place Unit No Vision System No Feeders
MPP1-VISION	MPP1 Pick Place Unit No Vision System No Feeders with camera monitor vision system
FEEDER-SO8-STICK	Feeder for Five SO8 IC Packages
FEEDER-SO16-STICK	Feeder for Five SO16 IC Packages
FEEDER-RIGHT	Holder of 10 reels for Feeder
FEEDER-LEFT	Holder of 10 reels for Feeder
DISP-HEAD	Solder Paste Dispensing Head
FEEDER-10CUT-8MM	Feeder for 10 8mm Cut tapes