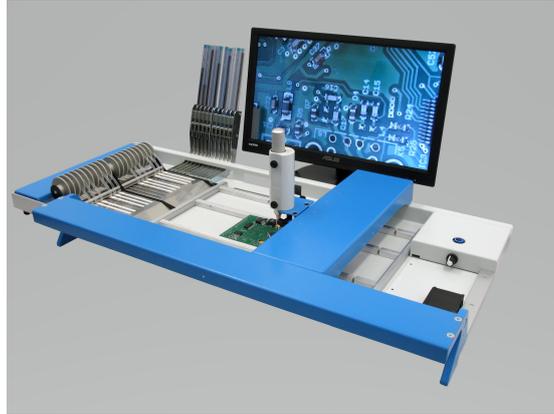


MPP1 VISION PICK & PLACE MANIPULATOR



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 a colour Full HD camera connected to a 15" TFT LCD monitor
- Standard HDMI output so larger monitor can be connected if required
- 0201, QFN Package 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-VISION is supplied with a HD camera vision system with LED illumination. The camera system makes assembly of small components like 0201, 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.

FORTEX

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

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

Part No	Description
MPP1-VISION	MPP1 Pick Place Unit with camera monitor vision system. FEEDERS purchased seperately
FEEDER-10CUT-8MM	Feeder for 10 pieces 8mm Cut Tapes
FEEDER-HOL8MM	Reel holder can be used with Combined Feeder Part No “FEEDER-10CUT-8MM” for 8mm Tapes Max Diameter of Reels 18cm (Fits Left or right)
COM-FEEDER	Combined Feeder 8 SMD Tapes for 8/12/16mm tapes 8mm 4 x Positions, 12mm 3 x Positions, 16mm 1 x Position
FEEDER-CHOLDER	Reel Holder can be used with combined feeder Part no “COM-FEEDER” for 8,12,16mm tapes Max Diameter of reels 18cm (Fits only on right)
FEEDER-S08-STICK	Feeder for five sticks S08 IC Packages
FEEDER-S16-STICK	Feeder for five sticks S016 IC Packages
DISP-HEAD	Solder Paste/Glue dosing Syringe mounting head for 5ml; (5cc) or 10ml (10cc) size syringe. Note a suitable Solder paste dispenser must be purchased separately)
SP1A-DISPENSER	Automatic Precision Solderpaste/Glue Dispenser unit with Foot Pedal
SP-COMPRESSOR	Super Silent Air compressor for SP1A-DISPENSER Solder Paste Dispenser Unit