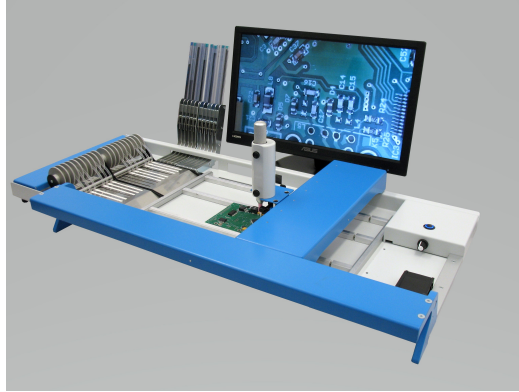


## MPP1 VISION PICK & PLACE MANIPULATOR



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

<b>Part No</b>	<b>Description</b>
<b>MPP1-VISION</b>	<b>MPP1 Pick Place Unit No Vision System No Feeders with camera monitor vision system</b>
<b>FEEDER-10CUT-8MM</b>	<b>Feeder for 10 pieces 8mm Cut Tapes</b>
<b>FEEDER-HOL8MM</b>	<b>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)</b>
<b>COM-FEEDER</b>	<b>Combined Feeder 8 SMD Tapes for 8/12/16mm tapes 8mm 4 x Positions, 12mm 3 x Positions, 16mm 1 x Position</b>
<b>FEEDER-CHOLDER</b>	<b>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)</b>
<b>FEEDER-S08-STICK</b>	<b>Feeder for five sticks S08 IC Packages</b>
<b>FEEDER-S16-STICK</b>	<b>Feeder for five sticks S016 IC Packages</b>
<b>DISP-HEAD</b>	<b>Solder Paste/Glue dosing Syringe mounting head for 5m; (5cc) or 10ml (10cc) size syringe. Note a suitable Solder paste dispenser must be purchased separately)</b>
<b>SP1A-DISPENSER</b>	<b>Automatic Precision Solderpaste/Glue Dispenser unit with Foot Pedal</b>
<b>SP-COMPRESSOR</b>	<b>Super Silent Air compressor for SP1A-DISPENSER Solder Paste Dispenser Unit</b>