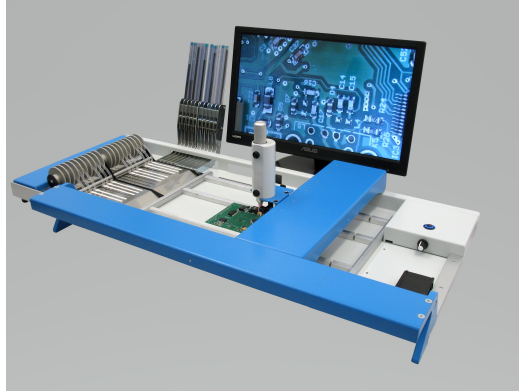


MPP1 VISION PICK & PLACE MANIPULATOR



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 19.5" 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 or bulk loose 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/Red Glue 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 separately
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 S014 & 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
SYRINGEADAPT10CC	Syringe Adapter for 10ml/10cc Size Syringe to provide link from Solder paste dispenser to Syringe
SNAPBOXBASEPLATE	Steel base plate with ears to fit onto MPP1 unit holds up to 9 x SNAPBOX3
SNAPBOX3	ESD Snap Box with Translucent Sprung Lid and Foam Insert Internal Size 40 x 56 x 20 mm for safe storage of bulk loose SMD Components Can be placed on MPP1 pick Place Machine on the part “SNAPBOXBASEPLATE”
RUBBERNOZZLE3.5	3.5mm Rubber Suction Cup to pick up larger size components
RUBBERNOZZLE6.4	6.4mm Rubber Suction Cup to pick up larger size components
NEEDLESET	Set of Needles for Suction and Dispensing Set of Metal Nozzles 50 Pieces Total (5pcs 1.50mm 14G) (5pcs 1.37mm 15G) (5pcs 0.84mm 18G) (5pcs 0.60mm 20G) (5pcs 0.51mm 21G) (5pcs 0.41mm 22G) (5pcs 0.33mm 23G) (5pcs 0.25mm 25G) (5pcs 0.20mm 27G) (5pcs 0.15mm 30G)