

NEW !!!

The manipulator, together with the feeders and the setting table, forms a compact, powerful mounting system for mounting PCB prototypes or for manual PCB mounting of small series. Supplied without feeders, which are optional accessories.



The easy movement of the arm in the X and Y axes allows for comfortable picking of components from the feeders and their placement over the entire work surface. Precise guidance of the placing head in the Z axis means a perpendicular and fine placement of the component into the paste, starting from chip size 0201. The head guide knob simultaneously serves to rotate the needle about its axis.

There is also a small but powerful light source and a vacuum switch integrated in the head. Gently squeezing the placing head is understood as picking-up components and deep squeezing as placing. Vacuum pump with regulation is also included in standard shipment.

A miniature CCD camera is built into the head for mounting small size 0201 chips as well as for precise positioning of very fine pitch ICs. The camera has 2 positions and displays either a setting needle or a dosing nozzle. The magnified image at a low angle is displayed on a large 15 " PC monitor.

With an additional dosing head, solder paste, glue or other media can be applied to the PCB. Precise guiding of the hand with the cartridge allows to dispense accurate quantity in the right place.



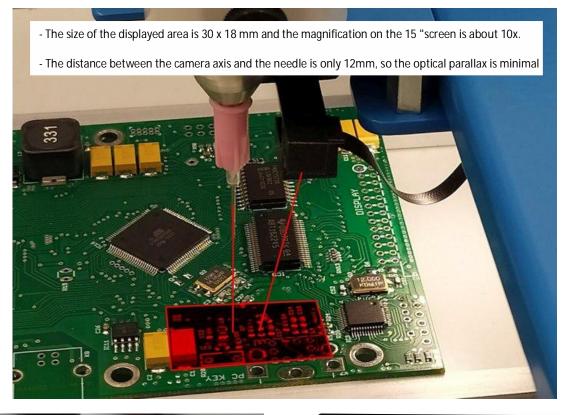
## **Technical specifications:**

Video Camera Viewing angle: 78° CCD sensor: 1/4 " size, 8 Mpix Video resolution: 1080p30 - Full HD Working area max: 350 x 210 mm Power supply: 12 V adapter, 800 mA Vacuum pump: 230 V, 6 W

MonitorDisplay dimensions:15.6 " widescreen 16: 9Resolution:1366 x 768 pixelsDimensions with stand:378 x 281 x 189 mm

Soldering and Assembly Technology

## Differences between MAN-32-VLC and MAN-32-VIS

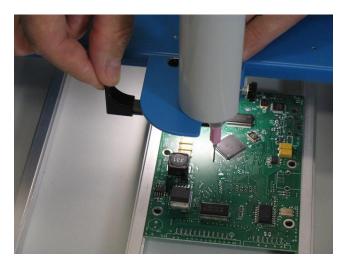




Nozzle n 0 00

MAN-32-VLC v.3.2-EN

On the 15.6 "screen with 344 x 193 mm display size the image is magnified about 10x. You can also connect any a larger monitor with HDMI input and optical magnification will increase.



LED strip lighting is adjustable by

potentiometer from 0 to 100%.

Moving the camera 16 mm allows viewing and install ICs up to 30 x 30 mm

