

## VisionPlacer

VP-3028D / T

VP-3056D / T

VP-3064D / T

VP-3092D / T



## **MODULAR SYSTEM**

This machine is rock solid, modular, extendable and future safe because you are able to upgrade head unit and add feeder slots after time.

## **MEASUREMENT SYSTEM**

We don't assume the machine head position, we know because of scales on X / Y axis measuring 0.01mm at 0.02mm precision.

## **3D PLACEMENT POSSIBLE (MID)**

Our Machine is able to place parts on different Z height positions so 3D PCB's are possible for placement.

## **WIDE PART RANGE**

The part range will be from 0201 up to 30x30mm components and Z axis can travel 30mm so tall parts are no problem too.

## **ANTI COLLISION**

We support anti-collision strategy by intelligent head retract mode the machine moves the head origin up when high parts need to be placed. We use part height sorting so it will move up when tall parts where placed before.

## **HIGH QUALITY**

We build and design VP-30XX machines in Germany!

The pneumatic system components are from FESTO, Servo system from Mitsubishi, Power supplies from Meanwell, Guide lines from HIWIN.

All these components can be bought around the world and replaced.

## **Technical Data:**

### **Dimensions:**

Base machine 935 x 1050 x 430mm, including Feeder 1160 x 1485 x 430mm

Machine including cover 935 x 1050 x 485mm, including Feeder 1160 x 1485 x 485mm

Weight for the base unit is 75Kg, Stand 28Kg, Cover 35Kg, each feeder 1,4Kg

### **Nozzles:**

We use CP45 Samsung nozzles.

10 slot nozzle changer carts.

So, it's possible to use 10 nozzles in one placement job including the option to use the same nozzle on both heads.

### **Dispenser:**

The optional third head can be used independently to apply glue or paste to the PCB.

The Dispenser controller is integrated in our machine!

## **Feeder System:**

28x 8mm Yamaha CL feeder cassettes on South

28x 8mm Yamaha CL feeder cassettes on North or 2x Exchangeable disk feeder on North optional

30x 8mm Yamaha CL feeder cassettes on East plus 6x 8mm / 12mm / 16mm Yamaha CL feeder cassettes on East totally 36.

3x small tray feeder's possible one in front of the West feeder bank and two between the cameras!

**Totally up to 92x 8mm or 86x 8mm and 6x 12/16mm Yamaha CL feeder cassettes on a single machine!**

**We support standard CL vibration feeder!**

## **PCB Area:**

400x400mm working area for PCB and trays.

Fast clamp mechanic to fix the PCB inside PCB holder.

Mounting holes to fix tray holders or custom PCB holders.

## **Position System:**

Belt drive for **X and Y** axis.

Spindle drive for all **Z** axis.

Closed loop positioning using linear scale encoder system on X and Y axis.

Closed loop positioning using stall detection on Z axis. (TRINAMIC technology)

Stepper motors standard on X and Y axis (PRO) but servo (PREMIUM) motors upgradeable!

We use MELSERVO Mitsubishi Japan servo motors.

## **Placement speed:**

	<b>Premium</b>
<b>Single Head</b>	<b>3500cph</b>
<b>Double Head</b>	<b>5000cph</b>

Depend on different part count and part distances!

## **Cameras:**

2x USB 2.0 2MP bottom IDS Industrial cameras

1x USB 2.0 2MP top IDS Industrial camera

## Optional components:

- Dispenser head including integrated controller
- Stand made from steel
- Machine cover using 2 doors including safety control system and coded switches
- Feeders stock system mounted inside the stand using slide out plate
- Monitor and keyboard holder
- Integrated high-performance PC running Linux and supporting for up to 5 cameras.

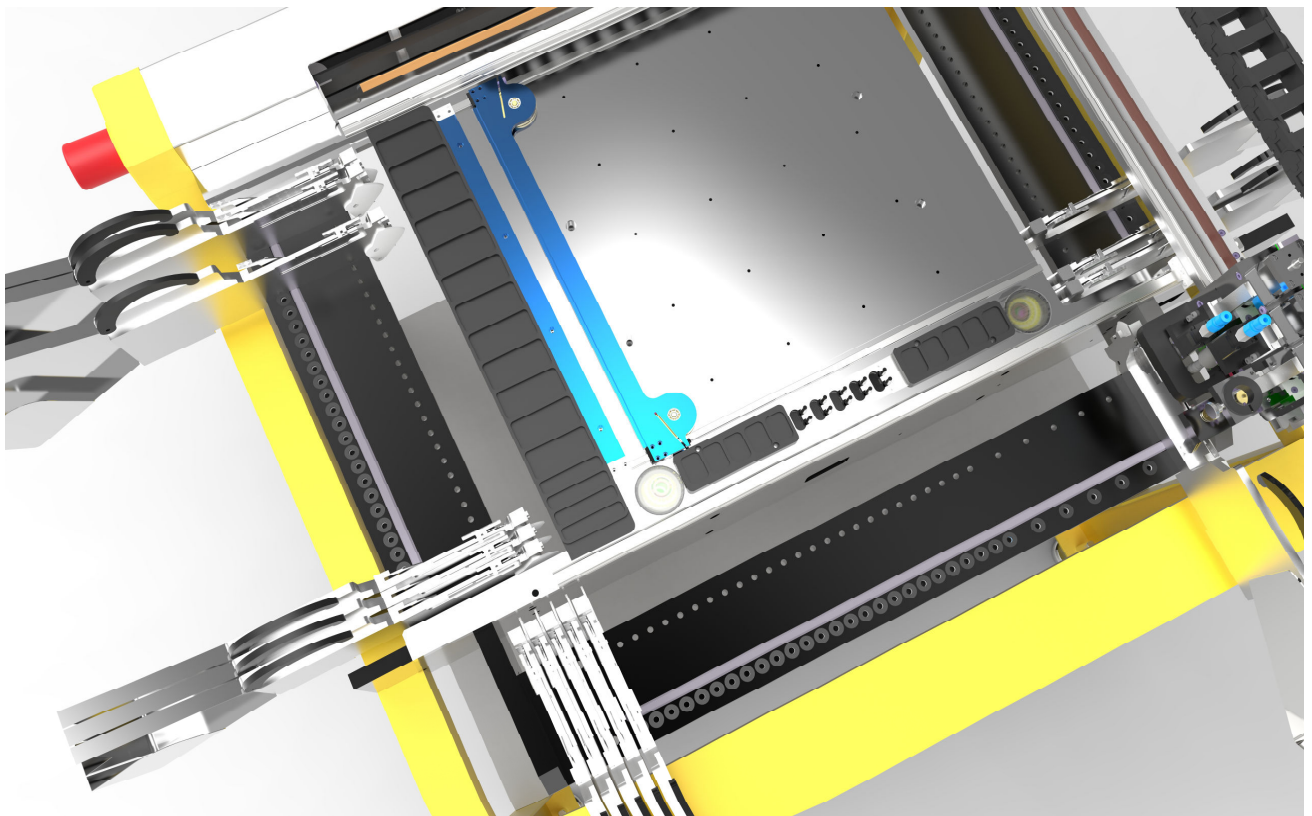


## VP-30XXD Model list:

**PREMIUM Machine has servo drives for X and Y axis**

**Linear scales on X, Y, Z axis for closed loop positioning**

- VP-3028D PREMIUM with 28 pneumatic feeder's ports (28x South)
- VP-3056D PREMIUM with 56 pneumatic feeder's ports (28x South + 28x North)
- VP-3064D PREMIUM with 64 pneumatic feeder's ports (28x South + 36x East)
- VP-3092D PREMIUM with 92 pneumatic feeder's ports (28x South + 28x North + 36x East) **EAST Feeder has 6 wider slots spacing to take 12 and 16mm tapes without losing a slot!**



36 Slots Feeder block using different slot pitch to support up to 7x 17mm wide feeder without losing a slot.

