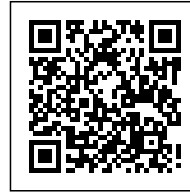


PROTOTYPING | D1

SKU: S1-0007.01

80.000,00 € excl. VAT



Categories: [Machines](#)

BESCHREIBUNG

Start professionally automating your ideas in the lab. The desktop machine OurPlant D1 is the basis for the seamless transition of your products into series production.

The OurPlant D1 represents an intelligent developer tool with the level of a production machine.

Like all machines of OurPlant, the desktop solution is based on a modular concept. Thanks to a large number of processing modules, the platform is able to realize a wide range of applications in the field of micro assembly and dispensing. The modular and expandable concept guarantees the adaptability of the OurPlant D1 to future products and process requirements. Modules and programmes can later be easily transferred to all larger machines of the OurPlant family. In the micro assembly machine all modules are freely positioned on the aluminium plate with perforation grid and the processing heads are installed on the open axis portal. The operation and control occurs by laptop.

The machine consists of an aluminium plate with perforation grid, an open axis portal and an external user interface. The machine is connected via Ethernet.

The precision base frame for OurPlant D1 ensures the compliance to the required machine accuracy and performance according to the corresponding data sheet

Technical information:

- Machine frame
- 2-axis gantry system (X, Y)
- Processing heads with integrated Z-axis

- Operator Laptop
- Software and control system
- interface with 10 electrical connections (5x CAN, 5x Ethernet) for taking up processing modules up to a total width of 150 mm (in basic version), optionally expandable up to 250 mm
- Precision base frame incl. swivel arm and support for laptop

Advantages:

- Ideal for prototype and small batch production
- Low set-up effort thanks to real "Plug & Play" capability
- Easy integration into a production line by using a transport system
- Software-based system control by laptop

MORE INFORMATIONS

Dimensions in mm (W x D x H)	1.300 x 1.300 x 1.200
Installation surface / centre distance of the machine feet in mm (W x D)	924 x 708
Weight in kg	ca. 570
Max. functional area in mm (X,Y)	530 x 350
Repeatability in mm	± 0,001
Max. speed x-axis in mm/s	250
Max. speed y-axis in mm/s	250
Max. acceleration x-axis in mm/s²	250
Max. acceleration y-axis in mm/s²	250
Power Supply	90 ... 264 VAC, 47 ... 63 Hz, 120 VAC: 16,5 A max., 230 VAC: 2,5 A max.
Average energy requirement in kWh	0,5
Compressed air requirements	≥ 5 bar (optimal > 6 bar), 100 l/min, gereinigt, trocken, ölfrei
Max. relative humidity in %	60
Certification	CE konform , ESD Schutz

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