



PROCESS DEVELOPMENT | POCKET

SKU: S1-0012



Categories: [Machines](#)

BESCHREIBUNG

OurPlant Pocket is a developer machine for the perfect start into micro assembly. This machine can realise processes already at the earliest concept stage. The compact OurPlant Pocket realises semi-automated processes and provides developers an excellent support in testing, developing and validating their processes.

It benefits from the compatibility of the OurPlant platform and a high variety of modules. All established processes can be transferred to all other OurPlant systems.

Last but not least, the OurPlant Pocket meets the requirements of all other OurPlant machines in terms of movement directions, accuracy and interfaces. Thanks to its small footprint of 550 mm x 660 mm, it is the perfect solution for a developer workstation, but also for semi-automated production in small series.

The motion system consists of a gantry system with X-axis and a movable base plate with perforation grid as Y-axis. The user interface is displayed on the laptop / desktop PC next to the machine.

Technical information:

- 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

Advantages:

- Development of various subprocesses on one machine
- Ideal for process and module tests, prototyping and small batch production
- Low set-up effort thanks to real “Plug & Play” capability
- Software-based system control by laptop

MORE INFORMATIONS

Dimensions in mm (W x D x H)	550 x 660 x 600
Installation surface / centre distance of the machine feet in mm (W x D)	374 x 445
Weight in kg	ca. 80
Max. functional area in mm (X,Y)	200 x 150
Repeatability in mm	± 0,001
Max. payload x-axis in kg	15
Max. payload y-axis in kg	15
Max. speed x-axis in mm/s	250
Max. speed y-axis in mm/s	250
Max. acceleration x-axis in mm/s ²	250
Max. acceleration y-axis in mm/s ²	250
Power Supply	85 ... 265 VAC, 47 ... 63 Hz, 120 VAC: 5,6 A max., 230 VAC: 2,8 A max.
Average energy requirement in kWh	0,3
Compressed air requirements	≥ 5 bar (optimal > 6 bar), 100 l/min, gereinigt, trocken, ölfrei
Max. relative humidity in %	60
Certification	CE konform , ESD Schutz
Min. payload table in kg	150

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