

Product



No. 1 Position

The fastest Pick & Place Unit on the market

- ✓ Cycle time 0,58 s
- ✓ No moving motor cables
- ✓ Winner of the Industry Prize 2010

Product Features

Unique Selling Points:

- ✓ Fastest Pick & Place Unit on the market
- ✓ Freely programmable – highest flexibility
- ✓ No moving motor cables – no wear
- ✓ Compact design – easy assembly
- ✓ Plug & Play – easy commissioning
- ✓ Highest repeat accuracy – reliable processes
- ✓ Available ex stock
- ✓ Basic version as of 6,600.- € incl. controller

Market and Competitors

Key competitors

- ✓ Weiss Automation model HP
- ✓ Festo AG model HSP
- ✓ KML model LMS-M

System advantages towards

Pneum. P&P (e.g. Festo HSP)	freely programmable significantly faster significantly preciser
Weiss HP	shorter cycle times no moving motor cables
KML LMS-M	shorter cycle times no moving motor cables - practice-orientated force ranges - all moving components are open

Cost Effectiveness/ Customer Benefits

Maximum productivity thanks to shorter cycle times, highest repeat accuracy and maximum robustness.

- ✓ Higher operating speeds involve shorter cycle times and thus more cycles per time unit. And more cycles per time unit finally produce more products per time unit.
- ✓ In competitive products the motors, but also the motor cables are moving. This highly dynamic movement sooner or later leads to a cable break. In case of the PPU-E30 the motors do not move. No cable movement -> no cable break.
- ✓ The P&P units are equipped with a crank drive and allow just a limited operating range. Since the PPU-E30 can be freely programmed, processes can be changed flexibly.
- ✓ Due to the high repeat accuracy, insertion and positioning processes can be carried out at a considerably higher process reliability.

Questions about the product? Your contact person of the Product Management Automation is J. Khoury (+49 - 7133 - 103 - 2667)

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Technical Data/ Functions

Max. Geschwindigkeit	[m/s]	3
Max. Beschleunigung	[m/s ²]	70
Max. Nutzlast (horizontal)	[kg]	3
Max. Hub horizontal	[mm]	270
Max. Hub vertikal	[mm]	100
Positioniergenauigkeit*	[mm]	0,02
Wiederholgenauigkeit*	[mm]	< 0,01
Messsystemauflösung (reglerabhängig)	[µm]	0,5
Max. Umgebungstemperatur	[°C]	40
Max. Oberflächentemperatur	[°C]	70

Basic version: without gripper interface for free configuration

- ✓ Extended version 1: 2x air + 2x sensor system
- ✓ Extended version 2: 4x air + 4x sensor system
- ✓ Extended version 3: 6x air + 6x sensor system
- ✓ Extended version 4: MRDS + 2x air + 2x sensor system
- ✓ On option, one interface at the LM 100 is possible (Access to the modular system)

Industries and Fields of Application

PPU-E30 – The perfect solution for Pick & Place tasks in the field of electronic assembly!

PPU-E30 particularly convinces in the following industries

- ✓ Electronic assembly
- ✓ Assembly of consumer goods
- ✓ Pharmaceutical industry

Applications

- ✓ Assembly of one-way shavers
- ✓ Printed circuit board assembly
- ✓ Assembly of „Trodat“ stamps
- ✓ Assembly of lip sticks
- ✓ Assembly of toothbrushes

Additional Information

Illustration of the various extended versions



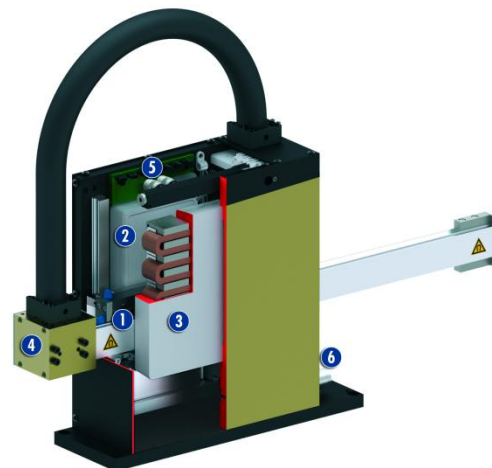
Complementary products:

- ✓ Micro Valves MV
- ✓ Mechatronic Rotary Unit MRD-S
- ✓ Miniature Parallel Gripper MPG-plus



Category production engineering and machine building

Cross Section



1. Roller guide
2. Motor for vertical axis
3. Motor for horizontal axis
4. Distributor box
5. Micro valves
6. Motor plug

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