

For internal use only!

Pick & place unit with linear direct drive

Product



Unique Selling Points

- ✓ **The fastest pick & place unit on the market**
- ✓ Free programmability – maximum flexibility
- ✓ No moving motor cables – no wear out
- ✓ Compact design – simple assembly
- ✓ Plug & play – simple commissioning
- ✓ Maximum repeat accuracy – reliable processes

Technical Data / Functions

Bezeichnung		PPU-E 30
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

Cost Effectiveness/ Customer Benefits

Maximum productivity thanks to the shortest cycle times, maximum repeat accuracy and maximum strength.

- ✓ Higher operating speeds lead to reduced cycle times, they also lead to more cycles per unit of time, and they lead to more products produced per unit of time.
- ✓ In competitor's products, the motors mostly move concurrently. Consequently, the motor cables also move. This highly dynamic movement leads in the short- or long-term to cable breakage. In PPU-E30, the motors do not move. No cable movement and therefore no cable breakage.
- ✓ Forced guidance P&P units can only move within these tight limits. Thanks to the free programmability of the PPU-E30, the processes can be changed flexibly.
- ✓ Thanks to the high repeat accuracy, joining and placing processes can be executed with much more reliability.

Price

6,580 euros

Basic version incl. 2 Bosch Indradrive CS controllers

Questions about the product? Your contact person is Jakob Khoury (+49 - 7133 - 103 - 2667)



Market and competitors

Pick & place does not get quicker!

Main competitors

- ✓ Weiss Automation, HP model
- ✓ KML, LMS- M model

System advantages over

Weiss HP	Shorter cycle times No moved motor cables
KML LMS-M	Shorter cycle times No moved motor cables ✓ Force ranges relevant to practical experience ✓ All movable parts open

Line of Argument

Why should I pay that much for the PPU-E?

- ✓ You'll get an unbeatable combination of highest dynamic, maximum flexibility and highest accuracy. You won't get that combination at any other drive system. That unit has in addition the benefit of "none moving motors". Thereby it is not possible that a cable breaks.

To date, we have only ever had pneumatic P&P units in use. Why should I use now electrical units?

- ✓ With these units you're definitely much more flexible and much faster than with pneumatic units. You can design your assembly machines more flexibly. By changing work pieces you may not retool the assembly machine because of that flexibility. The most wearing part of the pneumatic unit is not necessary anymore. So you get rid of checking and changing the shock absorbers.

Industries and Applications

PPU-E30 - The perfect solution for loading in electronics assembly!

PPU-E30 performs particularly well in the following industries

- ✓ Electronics assembly
- ✓ Assembly of consumer goods
- ✓ Pharmaceuticals

Applications

- ✓ Assembly of disposable razors
- ✓ Printed circuit board assembly
- ✓ Assembly of "Trodat" stamps
- ✓ Assembly of lipsticks
- ✓ Assembly of toothbrushes

Basic version

- ✓ Without media feed trough
- ✓ For individual assembly with handling systems

Extended version 2

- ✓ With media feed trough 2 x pressure / 2 x sensors
- ✓ To equip with e.g. one SCHUNK gripper

Extended version 3

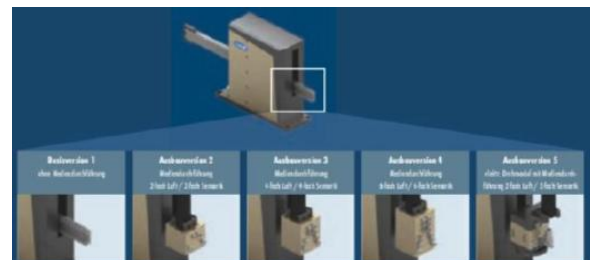
- ✓ With media feed trough 4 x pressure / 4 x sensors
- ✓ To equip with e.g. two SCHUNK grippers or one grip-swivel-module

Extended version 4

- ✓ With media feed trough 6 x pressure / 6 x sensors
- ✓ To equip with e.g. three SCHUNK gripper

Extended version 5

- ✓ Incl. el. Swivel module (C-axis) wWith media feed trough 2 x pressure / 2 x sensors
- ✓ To equip with e.g. one SCHUNK gripper for any rotation orientation



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