

Cobot Palletizing Tool

The productivity booster



Fast palletizing with cobots

If you need to increase efficiency and save costs in your palletizing operations check out our CPT. It does just that. With this smart and compact cobot gripper, you can get more products out at the same time and at lower cost.



Multiple picks in one cycle



IO-Link ready



Low noise level

Increase your competitiveness and time to market by palletizing products faster and picking several boxes even of different shapes in the same cycle. With its integrated piSMART® Valve Unit and multi-zone gripper surface the CPT boosts the productivity of your process.

Achieve sytem ROI faster by reducing your total cost of ownership. Thanks to its lightweight the CPT may allow you to use a smaller robot. Combined with the possibility of palletizing several cartons at once, the wear on the robot is reduced, increasing its lifetime.



“Imagine how many more pallets you can ship out each day, if you palletize, for instance, 4 boxes instead of 1 at the same time.”

Bernd Gries, Head of Custom-Line Group, Piab

A high and reliable machine uptime is mandatory today. With its modular design and use of standard parts, you can be sure that spare parts and further accessories for the CPT are available and can be exchanged quickly, when needed.

By combining the capabilities of multiple EOATs into just one tool, the CPT can help you reduce your equipment costs, as well as free up valuable development time for other important projects.



1

Higher pallet output

The gripping surface is designed to cover multiple zones, allowing handling of different carton sizes or multiple cartons in each cycle.

2

Maximum handling speed

The integrated piSMART® Valve Unit allows extremely fast response times increasing throughput.

3

High energy efficiency

Equipped with COAX® vacuum generation technology, air consumption is reduced, while secure lifting power at maximum payload is ensured.

4

One EOAT instead of several

For different configurations, for example when changing products, it is only necessary to change the lower suction plate from foam to suction cups or vice versa.

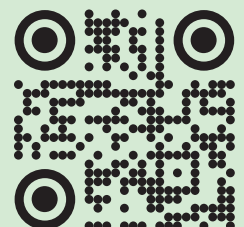
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Industry 4.0 capabilities

Equipped with the IO-Link ready piSMART® Valve Unit, features like predictive maintenance are enabled.



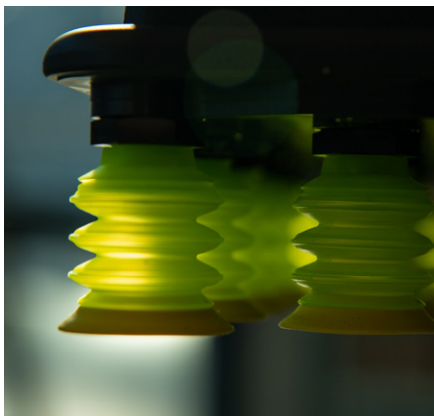
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Versatile suction plates

Depending on the application, the CPT can be equipped with different suction plates fitted with Piab's wide portfolio of suction cups or a technical foam layer. The suction plates can be easily exchanged offering maximal flexibility.





Get more pallets packed and shipped a day or reduce the speed of your cobot to increase its lifetime. The choice is yours!



By enabling multipicking of boxes, the CPT enables palletizing processes to reach a new level of efficiency.



No matter, at which angle you have to move the boxes - the powerful COAX® equipped CPT holds on to them safely and securely.



Adaptor

Easy integration to any cobot.
Adjustable offset of the TC (Tool Center Point) between 50-100 mm, for a greater reach of your cobot.



Ejectors

Integrated multi-stage Piab ejectors with best power-to-energy ratio offer highest energy efficiency in the market.



Suction plates

Interchangeable gripping surfaces
Choose between suction cups or technical foam.



Industry 4.0 ready

piSMART® valve integrated for full process control - prepared for IO Link connectivity.

Configuration variants

Technical specifics of variants.

	Technical foam			Suction cups		
Configuration	CPT300	CPT400	CPT500	CPT300	CPT400	CPT500
Size (mm)	140 x 330	140 x 400	140 x 500	140 x 330	140 x 400	140 x 500
Gripper surface	30 mm foam	30 mm foam	30 mm foam	FX39 suction cups	FX39 suction cups	FX39 suction cups
Weight (g)	1650	1850	2100	1950	2250	2650

* CPT300 and CPT500 only available on request.

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