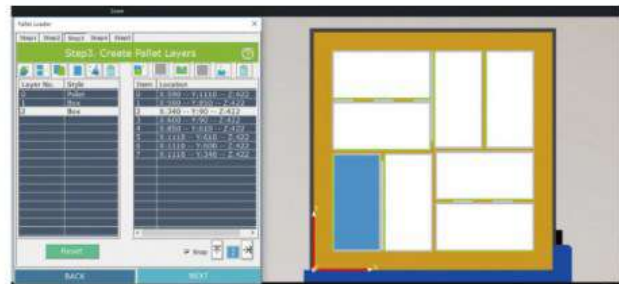


Techman Cobot - TM25S



## TM25S

The TM25S is a cobot with a high payload from the TM AI Cobot S series. Increase your production efficiency and reduce the cycle time of your production line, e.g. for massive pick & place tasks.





## Specification - TM25S

Model		TM25S	
Weight		80,6 kg	
Maximum Payload		25 kg	
Reach		1900 mm	
Maximum Speed		4m/s	
Joint ranges	J1, J2, J4, J5, J6	+/- 360°	
	J3	+/- 166°	
Speed	J1, J2	100°/s	
	J3	130°/s	
	J4	195°/s	
	J5	210°/s	
	J6	225°/s	
Repeatability		+/- 0,05 mm	
Degree of Freedom		6 rotating joints	
I/O Control box	Digital in	16	
	Digital out	16	
	Analog in	2	
	Analog out	2	
I/O Tool Connector	Digital in	3	
	Digital out	3	
	DO_0 (DO-0/AI) / DO_1 (DO-1/RS485+) / DO_2 (DO-2/RS485-)		
I/O Power Supply		24 V / 2,0 A for control box and 24 V / 1,5 A for tool	
IP Classification		IP54 robot arm, IP54 control box	
Typical Power Consumption		500 watts	
Cleanliness		ISO Class 3	
Temperature		0 - 50° C	
Power Supply		100-240 VAC, 50-60 Hz	
Communication		2x COM, 1xHDMI, 3xLAN, 2xUSB2.0, 4xUSB3.0	
Communication		RS232, Ethernet, Modbus TCP/RTU (Master und Slave), PROFINET (optional), EtherNet/IP (optional)	
AI and Robot Vision			
AI Function		Classification, Object Detection, Segmentation, Anomaly Detection, AI OCR	
Application		Positioning, 10/20 Barcode Reading, OCR, Defect Detection, Measurement, Assembly Check	
Eye in Hand (built in)		Auto-focused color camera with SM resolution, Working distance 100 mm - ∞	