



Technical Datasheet

The key facts for the production of tomorrow.

SmartSolutions Housing

Total size:	1000 x 1000 x 2200mm
Electrical connection:	CEE plug 400 - 480V, 50 - 60Hz, 16A
Safety:	security camera in the operating area
Maintenance:	maintenance door at the rear incl. safety contact
Switch cabinet:	module slots under the table for different configuration options

Designed for the following article dimensions

Article weight:	up to 5kg
Article dimensions:	up to 200 x 200 x 200mm, editing range 190 x 190mm
Movement range X,Y:	200 x 300mm
Z-stroke:	200mm

X,Y table

Movement range:	X = 200mm, Y = 300mm
Speed:	150mm/s
Pay load:	10kg (article incl. article fixture)
Max. impact force:	17kN vertical force
Safety:	covering plate for spindles
Maintenance:	maintenance-free guides
Article fixture:	automatic locking and unlocking of the fixture allows article changes within seconds

Camera (setup support)

Resolution:	2592 x 1944 pixels, 3x zoom
Frame rate:	14 fps
	1 / 2,5"
Weight:	75g
Dimensions:	38,3 x 29 x 29mm
Interface:	Fast Ethernet (100Mbit/s); Gigabit Ethernet (1000Mbit/s)
Power supply:	Power over Ethernet

Press Equipment (joining spindle)

Force ranges:	1,5, 7 or 17kN
Payload:	25kg
Stroke:	200mm
Frame:	2 column frame
Servo motor:	parallel attachment
Encoder:	Multi-Turn
Holding brake:	yes
Cable length:	5m
Miscellaneous	additional guide to protect the pressure sensor from lateral forces

Torque Equipment (screwdriver)

Torque:	max. 12Nm
Idle speed:	880 rpm
Rotation angle detection:	yes, accuracy $\pm 4^\circ$ per measuring unit
Weight:	approx. 3kg
Interface:	W-Lan
Miscellaneous:	spring-loaded screwdriver actuator with 20mm spring range

Dispense Equipment (dosing valve)

Dosing functions:	pulse dosing, spray dosing
Pulse rate:	max. 60Hz
Weight:	approx. 1kg
Interface:	Digital I/Os - Modbus TCP
Miscellaneous:	optional valve heating + PT100, light barrier as pulse counter

The following amount of compressed air is required for the spray function:

Compressed air volume flow:	min. 70l/min	max. 150l/min
compressed air pressure:	min. 0,3bar	max. 5,0bar