Product Information
Robotic Testing System roboTest N (Testing Assistant)

roboTest N for function testing on autoinjectors

Application/function

With the roboTest N robotic testing system, simple pick and place applications can be performed with a series of more than 10 identical specimens, which are automatically fed and disposed of.

Benefits

- Due to the complete integration of the lightweight robot into the ZwickRoell software environment, robot programming knowledge is not required for operation.
- The intuitive user interface for roboTest N in autoEdition 3 also ensures flexible use for future testing applications.
- With force-controlled drive axes, the roboTest N requires a smaller installation location than conventional industrial robots, while maintaining the same level of safety.

System configuration

A typical configuration consists of:

- Materials testing machine up to 20 kN
- Tool for function tests, tensile or flexure test
- Extensometer (optional)
- robotTest N robotic testing system with integrated magazine for 20-30 specimens
- Industrial controller with testXpert testing software and autoEdition3 automation software

Description	Value	
roboTest N test assistant		
External controller	475*423*268	mm
I/O ports in the controller:	16 digital inputs	
	16 digital outputs	
	2 analog inputs	
	2 analog outputs	
Protection class: IP54		
Collaborating operation: 17 additional configurable safety functions, including elbow joint monitoring. Remote control to ISO 10218.		
Ambient temperature	0 - 50	Degrees Celsius
Number of joints	6	Swivel joints
Weight	20	kg
Power supply	100-240	V
	50-60	Hz
Material	Aluminum and PP plastics	
Power consumption	max. 350	W