



RoboInspector – 3D scanner

Product description

With the RoboInspector you bring an individual solution into often static image processing. By a collaborative lightweight robot and the additional shielding of the robot head you can integrate this flexible solution into your production process without additional protective housing.

The flexible 3D scanner offers a wide range of applications, which can be extended modularly by standardized additional options and is, for example, perfectly suited for flexible presence and surface control.

Field of application

Final assembly, quality control, In-Line test and End-of-Line test in the production/manufacturing area



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Technical data

Test bench/device	
<ul style="list-style-type: none"> • 6-axis lightweight robot • Individual camera and lighting solution at robot flange • Shielding of the respective components for collaborative operation • Industrial PC • Control technology 	
Software	
<ul style="list-style-type: none"> • Image processing software <ul style="list-style-type: none"> - Process control - Image processing • RoboCtrl <ul style="list-style-type: none"> - Robot control • Graphical configuration of image processing sequences 	
Scope of testing	
<ul style="list-style-type: none"> • Fully integrated concept consisting of freely configurable image processing system "NeuroCheck" and freely teachable sequence control "RoboCtrl" • Teaching of single points up to complex path curves by manual pulling of the robot arm • Variant dependent position control and image processing • 2D and 3D measuring tasks • Variant control • Component inspection 	
Input-/visualisation units	Dimensions/Transport
<ul style="list-style-type: none"> • Teachpanel 	<ul style="list-style-type: none"> • Individual, depending on robot type
Test time	Exemplary device type
<ul style="list-style-type: none"> • Individual, depending on test scope 	<ul style="list-style-type: none"> • 417 5698