



Adjustment and test system for intelligent barcode scanners

Product description

The system is used for manual adjustment, final assembly and automatic final inspection of intelligent barcode scanners. Various reading fields are scanned in the integrated tunnel to test the function of the scanners.

Field of application

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



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Technical data

Test bench/device	
<ul style="list-style-type: none"> • Final assembly and final test station with optical test line 2x5x2,5 m in target tunnel • Target tunnel with 8x optical target with motorised precision positioning • Changing devices for different types of DUTs • Laser power measurement, laser safe design • Measurement and supply technology in the control cabinet • Control and evaluation PC 	
Software	
<ul style="list-style-type: none"> • TST-Win under Windows <ul style="list-style-type: none"> - Process control - Variant Management - Extensive possibilities for controlling the process and measurements - On-line visualisation measurement process and image acquisition - All settings and sequences are menu-guided and freely programmable - Extensive evaluation and statistics options, data export • Database server for process data evaluation 	
Scope of testing	
<ul style="list-style-type: none"> • Integrated algorithms for laser power and focus adjustment (3D transmission/reception optimisation) • Test of different interfaces (USB, Profinet, Profibus, RS485, RS232, ModBus, SSI) • Test of the DUT I/O lines • Version control • Software boot • Programming of customer-specific parameters • Real-Time-Clock test • Display Test 	
Input-/visualisation units	Dimensions/Transport
<ul style="list-style-type: none"> • Monitor • Keyboard • Button box 	<ul style="list-style-type: none"> • 2500x2000x2000 mm (WxHxD)
Test time	Exemplary device type
<ul style="list-style-type: none"> • Individual, depending on test scope 	<ul style="list-style-type: none"> • 374 1888