

	LaserVision 6 HS (standalone)	LaserVision 6 HI (inline)	LaserVision Compact 3 (table top system)	LaserVision Compact 3 light (table top system)	LaserVision Compact 3 twin	
General data						
Dimensions (W x D x H)	1.000 x 1.040 x 1.550 mm	1.000 x 1.040 x 1.890 mm	850 x 920 x 440 mm	850 x 920 x 440 mm	850 x 920 x 1000	
Weight	240 kg	270 kg	60 kg	60 kg	100 kg	
Compressed air	-	min. 4 bar	-	-	-	
Power supply	230V / 3A or 110V / 6A	230V / 3A or 110V / 6A	230V / 3A	230V / 3A	230V / 3A	
PCB handling						
Working area	350 x 340 mm	550 x 356 mm	450 x 350 mm	450 x 350 mm	450 x 350 mm	
Pass through height	above 65 mm, below 55 mm	above 65 mm, below 55 mm	above/below: 45 mm	above/below: 45 mm	above/below: 45 mm	
Height measurement by laser triangulation	optional	optional	-	-	-	
Inline-package with transport system, stoplight, SMEMA-interface, component clamping and support	-	yes	-	-	-	
Automatic drawer for components	-	-	yes	yes	yes	
Inspection speed						
N° of components per hour	180.000	180.000	100.000	30.000	200.000	
Sensor and lighting system						
Orthogonal sensor module with camera resolution (µm) (GigE vision technology)	3 resolutions to select: 55,3 15,7 8,6		3 resolutions to select: 55,3 15,7 8,6		2 resolutions to select: 18,7 10	
Field of vision in mm	50,90 x 39,80	34,50 x 27,20	21,10 x 17,60	50,90 x 39,80	34,50 x 27,20	21,10 x 17,60
Pixel	920 x 720	2200 x 1730	2448 x 2050	920 x 720	2200 x 1730	2448 x 2050
Testable component size	THT bis 65 mm	pitch 0.4 0402	pitch 0.3 01005	THT bis 65 mm	pitch 0.4 0402	pitch 0.3 01005
Telecentric lens	yes	yes	yes	yes	optional	yes
LED-top lighting with 4 lateral lighting units (free adjustable)	yes	yes	yes	yes	yes	yes
Processing computer						
Image processing computer	19" Rack PC with Microsoft Windows operating system	19" Rack PC with Microsoft Windows operating system	SIMATIC Box PC with Microsoft Windows operating system	Box PC with Microsoft Windows operating system	SIMATIC Box PC with Microsoft Windows operating system	
LCD Monitor	yes	yes	yes	yes	yes	
Software						
Software for repair station (LVRepair + LVBoard licence)	yes	yes	yes	yes	yes	
Universal CAD-data converter	yes	yes	yes	yes	yes	
Fault statistic module (LVStat)	yes	yes	yes	optional	yes	
Transfer of test results to external QMS	yes	yes	yes	yes	yes	
Standard routines for imaging processing						
Component angel 0 - 360° supported	yes	yes	yes	yes	yes	
Presence and polarity verification on all THT and SMD components	yes	yes	yes	yes	yes	
Measurement of component position	yes	yes	yes	yes	yes	

Solder joint inspection (THT, SMD, ICs)	yes	yes	yes	yes	yes
Short-circuit tests (solder bridges)	yes	yes	yes	yes	yes
Solder paste inspection (2-D)	yes	yes	yes	yes	yes
Initial sample test	yes	yes	yes	yes	yes
Barcodes readable with camera	yes	yes	yes	yes	yes
Optical character verification module	yes	yes	yes	yes	yes
Programming					
Lead time for programming (reference value for double Euro with 500 components)	2h	2h	2h	2h	2h
Automatic program generation from CAD-data	yes	yes	yes	yes	yes
Automatic change-management of board revisions	yes	yes	yes	yes	yes
Automatic generation of programs for first off	yes	yes	yes	yes	yes
Inspection alternatives for component versions	yes	yes	yes	yes	yes
Automatic camera and test route optimisation	yes	yes	yes	yes	yes
Array test for easy reproduction of similar individual routines	yes	yes	yes	yes	yes
Available Options					
LV3D Angled-view module, Attention: max. PCB hight reduced to 40mm	yes	yes	yes	-	yes
Offline-Software licence for an additional user	yes	yes	yes	yes	yes
Desktop-PC for repair station or offline programming	yes	yes	yes	yes	yes
Additional software licence for a further repair station	yes	yes	yes	yes	yes
Barcode scanner (hand-scanner)	yes	-	yes	yes	yes
Barcode scanner (inline-scanner)	-	yes	-	-	-
Label printer	yes	yes	yes	yes	yes
Shuttle-transverse displacement	-	yes	-	-	-
Handling-components (loader/unloader)	-	yes	-	-	-
Repair conveyor belt	-	yes	-	-	-
Automatic width adjustment for supplementary equipment	-	yes	-	-	-



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Updated: 05.07.2010