

	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		resolution: 18,7		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	26,00 x 19,40	13,90 x 10,40	19,30 x 14,60		26,00 x 19,40	13,90 x 10,40
Pixel	920 x 720	2200 x 1730	2448 x 2050	920 x 720	2200 x 1730	2448 x 2050	1390 x 1038	1390 x 1038	1034 x 779		1390 x 1038	1390 x 1038
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	pitch 0.4 0402	pitch 0.35 0201	pitch 0.4 0402		pitch 0.4 0402	pitch 0.35 0201
Telecentric lense	yes			yes			yes		optional		yes	
LED-top lighting with 4 lateral lighting units (free adjustable)	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 (LVRrepair + 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 angle 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 height 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	-	-	-



PRÜFTECHNIK Schneider & Koch Ingenieurgesellschaft mbH
 Fahrenheitstraße 10
 28359 Bremen
 Tel.: +49 421 – 22 300 30, Fax: +49 421 – 21 54 55
 info@prueftechnik-sk.de, www.prueftechnik-sk.de

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