




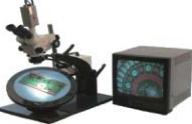
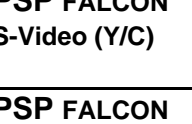



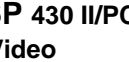


3D Inspection + SMT

Pricelist PSP 3D Inspection systems + SMT systems

Please note: All prices for PSP Systems do not include ball socket platform



System	Explanation	Art-No.	Euro
 PSP 100	Distortion free illuminated magnifier 4 diopt.	1001	
 PSP 200	6,4x / 16x / 40x adjustable stereo-microscope appended at the PSP stand classic with halogen illumination	1002	
 PSP ECO II	Stereo-microscope with 10 magnification areas appended at the adjustable PSP ECO stand on granite baseplate 60 x 40 cm with integrated cold light illumination	1020	
 PSP FALCON	Stereo zoom microscope factor 0,7 - 4,5, 10x oculars, ancillary-lens, adjustable PSP FALCON stand with inclination-arm on granite baseplate 40 x 60 cm; flare free ringlight illumination	1025	
 PSP FALCON trinokular	Stereo zoom microscope trinocular factor 0,7 - 4,5, 10x oculars, ancillary lens 0,5; adjustable PSP FALCON stand with inclination-arm on granite baseplate 40 x 60 cm; flare free ringlight illumination	1026	
 PSP FALCON Video (Fbas)	Stereo zoom microscope factor 0,7 - 4,5 with trinocular adapter, 10x oculars, ancillary lens 0,5; adjustable FALCON stand with inclination-arm on granite baseplate 40 x 60 cm; flare free ringlight illumination, CCD-color camera 330 lines incl. power supply, 14" color monitor	1040	
 PSP FALCON S-Video (Y/C)	Like PSP FALCON Video Fbas, but CCD-color camera 450 lines incl. power supply, 17" color monitor 470 lines	1042	
 PSP FALCON MACROZOOM	like PSP Falcon Video (Fbas) with macrozoom objective focal distance 18 - 108 mm	1045	
 PSP 410	Stereo zoom microscope appended at the heavy PSP stand on granite baseplate 40 x 60 cm, with flare-free ringlight illumination, holder for lighting system	1004	
 PSP430 II/PC Macrozoom	Macro-zoom objective focal distance 18-108 mm appended at the PSP high stand on granite baseplate 40 x 60 cm, PSP flare-free ringlight illumination; color camera Fbas with Pentium-PC, 17" PC-Monitor and PSP PC measuring-module 4.0	1290	
 PSP 430 II/PC S-Video	like PSP 430 II (Fbas) with high resolution S-Video CCD-color camera	1291	

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System	Explanation	Art-No.	Euro
 <p>PSP 450</p>	Stereo zoom microscope / trinocular with video system: High resolution CCD-color camera 450 lines incl. power supply, 17" color monitor 470 lines; appended at the heavy PSP stand on granite baseplate 40 x 60 cm, pullout inclination-arm, holder for lighting system flare-free ringlight illumination	1005	
<p>PSP 450 PC Image-Log</p>	Like PSP 450, but inclusive PSP Image-Log hard- and software: Pentium III with 128 MB RAM, Video-Digitizer-Board and color printer	1018	
 <p>PSP 460</p>	3 D Inspectionssystem with 12,5 :1 Optic; with video-adapter; fine focusing drive PSP 460 stand from 120 mm profile ergonomic inclination arm 40 mm high resolution CCD-Color camera with 21" monitor; 150 W cold light illumination with ringlight	1280	
<p>PSP 460 RGB</p>	like PSP 460 with 3 chip CCD Camera and 20" RGB-Monitor	1281	
 <p>PSP ImageLog</p>	Modular structured image databank to record and document video images with customer- and order data incl. PSP measuring tool and framegrabber	1019	
<p>PSP Measuring</p>	PSP PC measuring tool 6.21 incl. Framegrabber	1515	
 <p>PSP 500</p>	SMD-Station for following tasks: Distribution of flux, Component placement, Fine-pitch placement, Refinishing and Repair. Ask for special pricelist, please !	since	
	Special stands and consumer specific Inspection Systems		
Platforms	Explanation	Art-No.	Euro
<p>PSP z 02</p>	Ball socket platform VA Ø 20 cm with ESD-layer	1007	
 <p>PSP z 15</p>	3D ball socket platform granite Ø 40 cm with ball bearings and ESD-layer	1009	
 <p>PSP z 19</p>	3D Ball socket platform for SMD repair Ø 35 cm with vacuum fixing, vacuum pump and footswitch, VA-plate, 8 magnetic pcb supports, 2 magnetic handrests	1036	
 <p>PSP z 20</p>	3D Ball socket platform for SMD repair Ø 45 cm with vacuum fixing, vacuum pump and footswitch, VA-plate, 8 magnetic pcb supports, 2 magnetic handrests	1035	
 <p>PSP z 22</p>	3D Backlight-turntable 35 cm with backlight-unit 125 x 100 mm, rechargeable NIMH storage battery, fast-charger, ESD layer ; especially for drillhole-inspection	1163	

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Pricelist Accessories PSP 3D Inspection systems + SMT systems

Stands	Explanation	Art-No.	Euro
PSP s 10 	Column stand classic with inclination arm	1011	
PSP s 15 	FALCON stand, adjustable on granite baseplate 40 x 60 cm	1041	
PSP s 20 	Heavy PSP stand: alu-profile on granite baseplate 40 x 60 cm pullout inclination arm, to swivel	1013	
PSP s 21	Like PSP S 20, but without swivel	1014	
PSP s 01	Baseplate granite 40 x 60 cm	1012	

Ergonomic accessories

Lifting ramp/handrest 12 x 12 cm adjustable height, also suitable as adjustable object holder	1010	
Vacuum fixing for PSP ball socket platforms, vacuum pump, footswitch (heavy design) and vacuum socket incl. connecting pipes.	1087	
PSP Z 27 hydraulic, adjustable objectholder with assembling material	1091	
Hand/armrest hydraulic, adjustable with table-clamp	1088	
Double-iris diaphragm for PSP 410 - 460 systems	1215	
Ergomodul 5° - 25°, for PSP 410 - 460 systems	1220	
Ergotube adjustable viewing angle range 10° - 50°, for PSP 410 - 460 systems	1221	

Accessories PSP ECO + ECO II

15x eye-piece (pair)	1050	
20x eye-piece (pair)	1051	
Ancillary-lens 0,5x	1055	
Ancillary-lens 2,0x	1056	
Dust cover ESD fabric	1136	
Video Add-On f. PSP ECO-systems: Trinocular adapter with adjustable diaphragm for PSP ECO stereo microscope, CCD-color camera 330 lines incl. power supply, color monitor 14"	1023	

Accessories PSP FALCON

15x eye-piece for PSP Falcon optics	1030	
20x eye-piece for PSP Falcon optics	1031	
30x eye-piece for PSP Falcon optics	1032	
Measuring eyepiece with integrated cross wires 10 mm in 100	1058	
Objectmicrometer for calibrating of measuring eyepieces 2 mm in 200	1059	
Ancillary-lens 0,50x working distance 150 mm	1033	
Ancillary-lens 0,75x working distance 97 mm	1034	
Ancillary-lens 1,50x working distance 50 mm	1038	
Ancillary-lens 2,00x working distance 34 mm	1039	
Support FALCON light source platform left side	1048	
Support FALCON (holder for solder systems etc.) right side	1049	
Dust cover for microscope	1060	
Dust cover ESD fabric for the whole system	1136	

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Pricelist Accessories PSP 3D Inspection systems + SMT systems

PSP Microscope 410 - 450 PC	Art-Nr.	Euro
Ancillary-lens 0,32x working distance 297 mm	1201	
Ancillary-lens 0,50x working distance 187 mm	1202	
Ancillary-lens 0,63x working distance 149 mm	1203	
Ancillary-lens 1,00x working distance 89 mm	1204	
Ancillary-lens 1,50x working distance 49 mm	1205	
Ancillary-lens 2,00x working distance 27 mm	1206	
Dust cover for microscope	1060	
Dust cover ESD fabric for the whole system	1136	

Eye-pieces 410 - 460

10x eye-piece (pair)	1210	
16x eye-piece (pair)	1211	
25x eye-piece (pair)	1212	

CCD-color camera

12 V power supply	1110	
Power supply cable 12 V	1111	
S-VHS cable (Y/C)	1112	
BNC-cable	1113	

Cold-light sources

Halogen lamp 14,5 V 90 W for PSP 410 - 450 PC	1070	
Halogen lamp 12 V 35 W ECO	1071	
Halogen lamp 8 V 20 W	1076	
Halogen lamp 12 V 100 W FALCON	1077	
Halogen lamp 15 V 150 W	1078	
Halogen lamp 12 V 100 W PSP 2000	1079	
Could light source 100 W adjustable with light conductors	1120	
Could light source 35 W with gooseneck	1140	
Light conductors in various designs		on demand

Replacement parts

Set rubber feet for groundplate	1080	
Set cable clips for camera cable and light conductors	1081	
ESD-layer with ground-connector for PSP turn-table Ø 40 cm	1082	
ESD-layer with ground-connector for PSP turn-table Ø 35 cm	1083	
Set glide-pins for PSP turntable support	1084	
Lens-cleaning paper	1085	
Antislip-pads for PSP turntables	1086	
Magnetic support for PSP repair turntable 1 set = 8 piece	1090	

Prices and outfit are subject to change and without value-added tax.

date 04/03

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