

SISTEMA SSP SURFACE SCANNING PROBE SERIES FOR OPCS – PRODUCT CATALOGUE

1. WHY SURFACE PARTICULATE DETECTION?

IN MANY BRANCHES OF INDUSTRY THE MANUFACTURE OF AN ULTRACLEAN SURFACE IS CRUCIAL TO THE FUNCTIONALITY AND QUALITY OF THE PRODUCT. PARTICLES HAVE AN IMPACT ON THE OVERALL EFFECTIVENESS OF PROCESS EQUIPMENT, DECREASING TOOL AVAILABILITY AND INCREASING DEFECTS, REJECT RATES AND COSTS. THEREFORE AVOIDING PARTICLES ON SURFACES IS AN ESSENTIAL TASK OF AN EFFECTIVE QUALITY ASSURANCE. THE QUESTION IS HOW TO OBTAIN RELIABLE DATA GIVING EVIDENCE OF THE CLEANLINESS OF CRITICAL PARTS, WORK SURFACE AND PROCESS EQUIPMENT ETC?

2. THE SOLUTION – SISTEMA SURFACE SCAN PROBES HOOKING UP TO ORDINARY APCS

WITH SISTEMA SURFACE SCAN SYSTEMS THE USER CAN INSTANTLY ASSESS THE CLEANLINESS OF CRITICAL SURFACES SUCH AS SUPPLY CHAIN QA AND THE EFFECTIVENESS OF CLEANING PROCEDURES. ITS UNIQUE TECHNOLOGY AND PORTABLE DESIGN MAKES SISTEMA SURFACE SCAN SYSTEMS THE PERFECT TOOL COMPANIES CONCERNED WITH SURFACE CLEANLINESS.

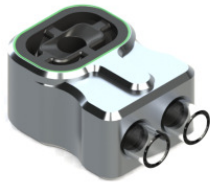


3. BENEFITS OF SISTEMA SURFACE SCAN SYSTEMS

- INSPECTION OF CLEANLINESS BEFORE & AFTER CLEANING PROCESSES (WORK PIECES, TOOLS, EQUIPMENT, CLEANROOMS, ETC).
- QUALIFICATION OF PROCESSES
- CLEANLINESS QUALIFICATION OF INCOMING AND OUTGOING MATERIALS
- REDUCTION OF DOWN TIMES (E. G. MAINTENANCE CIRCLES)
- REDUCTION OF DEFECT AND REJECT RATES AND HENCE INCREASE OF PRODUCTIVITY

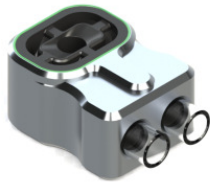
4. MAJOR PROS OF SISTEMA SURFACE SCAN SYSTEMS

- ONLINE | DIRECT | RAPID
 - MAKING THE STANDARD SOLAIR AIRBORNE OPC A DOUBLE USE SYSTEM ¹⁾ AIRBORNE & SURFACE PARTICLE COUNTER
 - AVAILABLE FOR MULTIPLE AIRFLOWS (1 CFM | 2 CFM | 100 LPM)
 - NON DESTRUCTIVE
 - ELIMINATING HUMAN ERROR SOURCES
 - IONIZATION UNIT AS ACCESSORY AVAILABLE
- ¹⁾ EXCEPT BOULDER WHICH ONCE MODIFIED BECOMES A PURE SPC



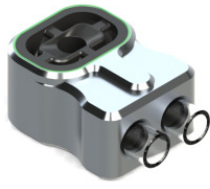
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LINE	PICTURE(S)	ITEM #	SUITABLE OPCs	ITEM DESCRIPTION
010	<p>15/20/30/50mm/1"/2"</p>	NOVA°00 NOVA°00 (90°)	 	SURFACE SCAN PROBE NOVA°00 HARDLIP FACEPLATE MATERIAL: ALUMINUM / POM-C PROBE DIAMETER (A): 15 TO 50 MM AND 1" / 2" STRD. SENSITIVITY: 0.3 µm STRD. FLOW RATE (B): 1CFM START-/STOP MICRO SWITCH QUICK RELEASES FOR QUICK AND EASY TUBE EXCHANGE STRD. LENGTH: 350 m OTHER AVAILABLE LENGTHS: 500 – 1.000 mm BEV-A-LINER TUBING PACKAGE
011	<p>TUBE LENGTH</p>	TL.XXX mm TL.350 mm TL.500 mm TL.750 mm TL.1000 mm	ACCESSORY (SPARE PART)	350 mm VERSION SURCHARGE FOR 500 mm VERSION SURCHARGE FOR 750 mm VERSION SURCHARGE FOR 1.000 mm VERSION
012	<p>SOFT</p>	SOFTLIP-30/50 SOFTLIP-1"/2"	ACCESSORY (SPARE PART)	SOFTLIP-RIM FACEPLATE (LATEX RUBBER) FOR A 100% CLOSE TIGHTNESS TO AMBIENT AIR AND A BETTER NESTLING TO UNEVEN SURFACES
013	<p>HARD</p>	HARDLIP-30/50 HARDLIP-1"/2"	STRD. ACCESSORY (SPARE PART)	HARD-LIP-RIM FACEPLATE (STRD.)
014		SOFTLIP-15 SOFTLIP-20	ACCESSORY & SPARE PART	SOFTLIP-RIM FACEPLATE FOR A 100% CLOSE TIGHTNESS TO AMBIENT
015		HARDLIP-15 HARDLIP-20	ACCESSORY & SPARE PART	HARD-LIP-RIM FACEPLATE
016	0.1 µm	0.1F	ACCESSORY & SPARE PART	IMPROVED SENSITIVITY DOWN TO 0.1 µm (0,1 µm OPCs)
017	ION	ION	ACCESSORY & SPARE PART	IONISATION CARTRIDGE (IN LINE INSTALLED)
018	ZC.PROTECT.CAP	ZC.CAP	ACCESSORY & SPARE PART	ZERO COUNT & IMPACT PROTECTION CAP



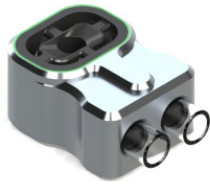
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LINE	PICTURE(S)	ITEM #	SUITABLE OPC BRANDS	ITEM DESCRIPTION
020	<p>15/20/30/50 / 70mm / 1" / 2"</p>	SSP.15 SSP.15 SSP.20 SSP.30 SSP.50 SSP.70		SURFACE SCAN PROBE SSP.00 HARDLIP FACEPLATE MATERIAL: POM-C PROBE DIAMETER (A): 15 TO 70 MM AND 1" / 2" STRD. SENSITIVITY: 0.3 µm STRD. FLOW RATE (B): 1 CFM START-/STOP MICRO SWITCH QUICK RELEASES FOR QUICK AND EASY TUBE EXCHANGE BEV-A-LINER TUBING PACKAGE
021		SOFTLIP-30/50 SOFTLIP-1"/2"	ACCESSORY (SPARE PART)	SOFTLIP-RIM FACEPLATE (LATEX RUBBER) FOR A 100 % CLOSE TIGHTNESS TO AMBIENT AIR AND A BETTER NESTLING TO UNEVEN SURFACES
022		HARDLIP-30/50 HARDLIP-1"/2"	STRD. ACCESSORY (SPARE PART)	HARD-LIP-RIM FACEPLATE (STRD.)
023		SOFTLIP-15 SOFTLIP-20	ACCESSORY & SPARE PART	SOFTLIP-RIM FACEPLATE FOR A 100% CLOSE TIGHTNESS TO AMBIENT
024		HARDLIP-15 HARDLIP-20	ACCESSORY & SPARE PART	HARD-LIP-RIM FACEPLATE
025	0.1 µm	0.1F	ACCESSORY & SPARE PART	IMPROVED SENSITIVITY DOWN TO 0.1 µm (0,1 µm OPCs)
026	ION	ION	ACCESSORY & SPARE PART	IONISATION CARTRIDGE (IN LINE INSTALLED)
027	ZC.PROTECT.CAP	ZC.CAP	ACCESSORY & SPARE PART	ZERO COUNT & IMPACT PROTECTION CAP



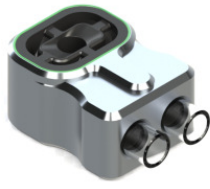
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LINE	PICTURE(S)	ITEM #	SUITABLE OPC BRANDS	ITEM DESCRIPTION
030	 	SSP.8.6 SSP.20	 	SURFACE SCAN PROBE SSP.00 HARDLIP FACEPLATE MATERIAL: POM-C PROBE DIAMETER (A): 8.6 AND 20 mm STRD. SENSITIVITY: 0.3 µm STRD. FLOW RATE (B): 1CFM START-/STOP MICRO SWITCH QUICK RELEASES FOR QUICK AND EASY TUBE EXCHANGE BEV-A-LINER TUBING PACKAGE
STANDARD FACEPLATES SOFT- / HARDLIP				
031		SOFTLIP-15 SOFTLIP-20	ACCESSORY & SPARE PART	SOFTLIP-RIM FACEPLATE FOR A 100% CLOSE TIGHTNESS TO AMBIENT
032		HARDLIP-8.6 HARDLIP-20	STRD. ACCESSORY (SPARE PART)	HARD-LIP-RIM FACEPLATE STANDARD
TUBE-PATTERN SSP FOR MEASURING INSIDE NARROW SPACES OR TUBES				
033		TUBE.10	 	SURFACE SCAN PROBE TUBE.00 FOR MEASURING INSIDE NARROW SPACES, TUBES ANDHOSES MATERIAL: SST / POM-C PROBE DIAMETER (A): 10 mm STRD. SENSITIVITY: 0.3 µm STRD. FLOW RATE (B): 1CFM START-/STOP MICRO SWITCH QUICK RELEASES FOR QUICK AND EASY TUBE EXCHANGE STRD. LENGTH: 350 mm BEV-A-LINER TUBING PACKAGE
HEMISSPHERIC-PATTERN FACEPLATES FOR MEASURING VOLUMETRIC ITEMS				
034		50 ^{HEMI}	ACCESSORY (SPARE PART)	Ø 50 MM HEMISPHERIC FACEPLATE FOR MEASURING VOLUMETRIC ITEMS
035	ION	ION	ACCESSORY & SPARE PART	IONISATION CARTRIDGE (IN LINE INSTALLED)
036		RC.SWITCH	STRD. ACCESSORY (SPARE PART)	MICRO SWITCH ON/OFF WITH CABLE
037	ZC.PROTECT.CAP	ZC.CAP	ACCESSORY & SPARE PART	ZERO COUNT & IMPACT PROTECTION CAP



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LINE	PICTURE(S)	ITEM #	SUITABLE OPC BRANDS	ITEM DESCRIPTION
040		SSP.ROK-EVO 1	  	SURFACE SCAN PROBE SSP.ROK-EVO 1 SOFLIP FACEPLATE MATERIAL: STAINLESS STEEL & ABS SSP DIMENSIONS: 32 X 21 mm STRD. SENSITIVITY: 0.3 µm STRD. FLOW RATE (B): 1 CFM START-/STOP MICRO SWITCH QUICK RELEASES FOR QUICK AND EASY TUBE EXCHANGE BEV-A-LINER TUBING PACKAGE
041	 	SSP.ROK-EVO 2	  	SURFACE SCAN PROBE SSP.ROK-EVO 2 SOFLIP FACEPLATE MATERIAL: ABS SSP DIMENSIONS: 25,4 X 12,8 mm STRD. SENSITIVITY: 0.3 µm STRD. FLOW RATE (B): 1 CFM START-/STOP MICRO SWITCH QUICK RELEASES FOR QUICK AND EASY TUBE EXCHANGE BEV-A-LINER TUBING PACKAGE
042		RC.SWITCH	STRD. ACCESSORY (SPARE PART)	MICRO SWITCH ON/OFF WITH CABLE
043	0.1 µm	0.1F	ACCESSORY & SPARE PART	IMPROVED SENSITIVITY DOWN TO 0.1 µm (0,1 µm OPCs)
044	ION	ION	ACCESSORY & SPARE PART	IONISATION CARTRIDGE (IN LINE INSTALLED))



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LINE	PICTURE(S)	ITEM #	SUITABLE OPC BRANDS	ITEM DESCRIPTION
050	  30/50mm/1" / 2"	XL.30.P-ILD XL.50.P-ILD XL.1".P-ILD XL.2".P-ILD		SURFACE SCAN PROBE XL.30/50.P-ILD FOR LIGHTHOUSE BOULDER (ILD = INTEGRATED LASER DIODE)  FOR DETECTION AND ANALYSIS OF PARTICLE DEPOSITS ON SURFACES OF 5 TO 125 (150) µm PROBE DIAMETER (A): 30 / 50 MM / 1" / 2" STRD. SENSITIVITY: 5 µm STRD. FLOW RATE (B): 1CFM START-/STOP MICRO SWITCH BEV-A-LINER TUBING PACKAGE
051		SOFTLIP-30/50 SOFTLIP-1"/2"	ACCESSORY (SPARE PART)	SOFTLIP-RIM FACEPLATE (LATEX RUBBER) FOR A 100 % CLOSE TIGHTNESS TO AMBIENT AIR AND A BETTER NESTLING TO UNEVEN SURFACES
052		HARDLIP-30/50 HARDLIP-1"/2"	ACCESSORY (SPARE PART)	HARD-LIP-RIM FACEPLATE (STRD.)
053		SOFTLIP-15 SOFTLIP-20	ACCESSORY & SPARE PART	SOFTLIP-RIM FACEPLATE FOR A 100% CLOSE TIGHTNESS TO AMBIENT
054		HARDLIP-15 HARDLIP-20	ACCESSORY & SPARE PART	HARD-LIP-RIM FACEPLATE STANDARD
055	0.1 µm	0.1F	ACCESSORY & SPARE PART	IMPROVED SENSITIVITY DOWN TO 0.1 µm (0,1 µm OPCs)
056	ION	ION	ACCESSORY & SPARE PART	IONISATION CARTRIDGE (IN LINE INSTALLED)
057	ZC.PROTECT.CAP	ZC.CAP	ACCESSORY & SPARE PART	ZERO COUNT & IMPACT PROTECTION CAP