

# Spare Parts Sensor System SURFACE MASTER



## Spare Parts

Product Code	Sensor	Qty.
SM1-9070-03	Gigabit ETN Switch, Sensor	1
SM1-9061-LS	Set of Components Line Scan Sensor 1 Camera Bus Module 1 Adapter Camera-Bus 1 Terminator Camera-Bus 1 Fan Illumination Beam	1
SM1-9061-CM	Set of Components Cold Mill Sensor 1 Camera Bus Converter Module 1 Adapter Camera-Bus 1 Terminator Camera-Bus 1 Bimetal Temperature Switch NC 1 Fan 1 Adapter LED-Bus 1 Terminator LED-Bus	1
SM1-9061-HM	Set of Components Hot Mill Sensor 1 Camera Bus Converter Module 1 Adapter Camera-Bus 1 Terminator Camera-Bus 1 Fan	1
SM1-9002-CM	Set of Power Supplies Cold Mill 1 Power Supply 12V (Junction Box, Sensor) 1 Power Supply 24V (Junction Box) 1 Power Supply 170V (Sensor)	1
SM1-9002-HM	Set of Power Supplies Hot Mill 1 Power Supply 5V 1 Power Supply 12V 1 Power Supply 24V (Junction Box)	1
SM1-9002-LS	Set of Power Supplies Line Scan 1 Power Supply 12V 1 Power Supply 24V (Sensor) 1 Power Supply 24V (Junction Box) 1 Automatic cut-out, D4A 1 Automatic cut-out, C40A	1
SM1-9015-CM	Camera Module Cold Mill incl. camera, lens, filter, holder; pre-calibrated & ready to use	1
SM1-9015-LS	Camera Module Line Scan balanced	1
SM1-9015-HM	Camera Hot Mill	1
SM1-9015-HM-35	Lens Module 35mm for Hot Mill incl. Filters	1
SM1-9015-HM-50	Lens Module 50mm for Hot Mill incl. Filters	1
SM1-9090	Signal Converter Line Scan	1
SM1-9017-IR	LED IR Module	1
SM1-9017-WI	LED WI Module, Line Scan	1
SM1-9091	LED Interface Module Line Scan	1
S11-9024	Hot Mill LED Lamp	1
SM1-9032-CM	Cooling Device for Cold Mill Sensors	1
SM1-9022-03	Cover Glass Frame Camera Beam Cold Mill	1
SM1-9022-04	Cover Glass Frame Compact Sensor BF Cold Mill	1
SM1-9022-05	Cover Glass Frame Illumination Beam Cold Mill	1
SM1-9022-06	Cover Glass Frame Camera Beam Hot Mill	1

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SM1-9022-07	Cover Glass Frame Illumination Beam Cold Mill 2nd Frame for shiny Material	1
SM1-9022-08	Set of Cover Glass Camera Beam Line Scan	1
SM1-9037-TS	Set of Cover Glass Tubus Top Side incl. all glass plates.	1
SM1-9037-BS	Set of Cover Glass Tubus Bottom Side incl. all glass plates.	1
SM1-9071-01	Calibration Plate Cold Mill	1
SM1-9071-02	Calibration Plate Hot Mill	1

Product Code	Junction Box	Qty.
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SM1-9012	SyncBox	1
SM1-9072-01	Fan for 19" Rack Mount Fan Unit, Junction Box	1
SM1-9072-02	Fan at Door, Junction Box (standard, alternatively to SM1-9072-03)	1
SM1-9072-03	Cooling Device Junction Box incl. Door Switch (optional, alternatively to SM1-9072-02)	1
SM1-9070-02	Gigabit ETN Switch, Junction Box	1
SM1-9074-2	Compact PCI image processing module DC with Dual Core processor.	1
SM1-9003-CM	Set of Components Junction Box Cold Mill 1 Automatic cut-out, 4A 1 Automatic cut-out, 16A 1 Equipment protection 1 Line filter 1 Interface module 1 Power module 1 Terminal module E15 1 Terminal module P 1 Digital input module 4DI 1 Digital output module 4DO 1 Micro Memory Card 1 Counter module 1 Relay PLC-RSC-24DC/1IC/ACT 1 Motor protection circuit breaker 11-16A or 20-25A 1 Bimetal temperature switch NC 50°C	1

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SM1-9003-HM	Set of Components Junction Box Hot Mill 1 Automatic cut-out 2A 1 Automatic cut-out 16A 1 Equipment protection 1 Line filter 1 Analogue Input Module 4-20mA 1 Converter Analog to Pulse 1 Device Server RS-232/422/485 1 Interface module 1 Power module 1 Terminal module E15 1 Terminal module P 1 Digital input module 1 Digital output module 1 Micro Memory Card 1 Relay PLC-RSC-24DC/1IC/ACT 1 Motor protection circuit breaker 11-16A 1 Bimetal Temperature Switch NC 50°C 1 Frequency Changer Weidmüller MCZ CFC 0-20MA 1 Signal Multiplier Phoenix MCR-FL-C-UI-2UI-DCI	1
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SM1-9092	Set of Components I/O-Extension Cold Mill 1 Analogue Input Module +/- 10V 1 Terminal Module E30 1 Power Supply 5V 1 Digital Converter Module	1
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Product Code	Server, terminals and peripherals	Qty.
SM1-9075	Inspection Server, PC with operating system license	1
SM1-9076	Data Server, PC with operating system license	1
SM1-9078	Terminal-PC, PC with operating system license	1
SM1-9080	UPS for server (Data Server or Inspection Server)	1
SM1-9082-02	Incremental encoder for dirty environments, Hengstler	1