

PART NUMBERS & ACCESSORIES

FIXED POSITION SCANNERS

CLP 100

Line Scanners

Part #	Model	Description
1 018 333	CLP 100-0010	Front emitting line scanner, open cable end
1 018 334	CLP 100-2110	Side emitting line scanner, open cable end
1 018 331	CLP 100-0010	Front emitting line scanner, RS 232
1 018 332	CLP 100-2010	Side emitting line scanner, RS 232

Setup Software

Part #	Model	Description
2 021 674	CLP Setup Software	Windows™-based CLP programming software

CLV 410/412/414

Line Scanners

Part #	Model	Description
1 015 421	CLV 410-0010	Front emitting line scanner, standard / Host Port RS 232, RS 422/485
1 017 534	CLV 410-2010	Side emitting line scanner, standard / Host Port RS 232, RS 422/485
1 017 527	CLV 412-0010	Front emitting line scanner, high density / Host Port RS 232, RS 422/485
1 017 538	CLV 412-2010	Side emitting line scanner, high density / Host Port RS 232, RS 422/485
1 017 368	CLV 414-0010	Front emitting line scanner, close range / Host Port RS 232, RS 422/485
1 017 396	CLV 414-2010	Side emitting line scanner, close range / Host Port RS 232, RS 422/485

Raster Scanners

Part #	Model	Description
1 015 427	CLV 410-1010	Front emitting raster scanner, standard / Host Port RS 232, RS 422/485
1 017 536	CLV 410-3010	Side emitting raster scanner, standard / Host Port RS 232, RS 422/485
1 017 528	CLV 412-1010	Front emitting raster scanner, high density / Host Port RS 232, RS 422/485
1 017 540	CLV 412-3010	Side emitting raster scanner, high density / Host Port RS 232, RS 422/485
1 016 767	CLV 414-1010	Front emitting raster scanner, close range / Host Port RS 232, RS 422/485
1 016 831	CLV 414-3010	Side emitting raster scanner, close range / Host Port RS 232, RS 422/485

Power Supplies

Part #	Model	Description
7 023 293	PS 52-0000	24 V DC required
7 023 770	PS 52-1000	115 / 230 V AC line voltage with 6 ft US line cord

PART NUMBERS & ACCESSORIES

CLV 410/412/414

Brackets

Part #	Model	Description
2 020 077	MB-CLV410S	Small right angle bracket for the CLV 410
2 020 078	MB-CLV410L	Large right angle bracket for the CLV 410
7 024 011	MB-W45A-43X-QR	Ball and socket bracket with quick release

Cables

Part #	Model	Description
6 010 075	KP-DB15H-2E	15-pin F to 15-pin M, straight through 2 m long cable
7 021 851	KP-DB09-2E	9-pin F to 9-pin M, straight through 2 m long cable (programming cable)
7 021 849	KP-DB09-3E	9-pin F to 9-pin M, straight through 3 m long cable

Setup Software

Part #	Model	Description
7 026 126	CLV Setup Software-CD	Windows™-based CLV programming software

CLV 420/421/422

Line Scanners

Part #	Model	Description
1 022 031	CLV 420-0010	Front emitting line scanner / software selectable Host Port RS 232, RS 422/485
1 022 033	CLV 420-2010	Side emitting line scanner / software selectable Host Port RS 232, RS 422/485
1 022 547	CLV 421-0010	Front emitting line scanner / software selectable Host Port RS 232, RS 422/485
1 022 617	CLV 421-2010	Side emitting line scanner / software selectable Host Port RS 232, RS 422/485
1 022 548	CLV 422-0010	Front emitting line scanner / software selectable Host Port RS 232, RS 422/485
1 022 620	CLV 422-2010	Side emitting line scanner / software selectable Host Port RS 232, RS 422/485

Raster Scanners

Part #	Model	Description
1 022 032	CLV 420-1010	Front emitting raster scanner / software selectable Host Port RS 232, RS 422/485
1 022 034	CLV 420-3010	Side emitting raster scanner / software selectable Host Port RS 232, RS 422/485
1 022 616	CLV 421-1010	Front emitting raster scanner / software selectable Host Port RS 232, RS 422/485
1 022 618	CLV 421-3010	Side emitting raster scanner / software selectable Host Port RS 232, RS 422/485
1 022 619	CLV 422-1010	Front emitting raster scanner / software selectable Host Port RS 232, RS 422/485
1 022 621	CLV 422-3010	Side emitting raster scanner / software selectable Host Port RS 232, RS 422/485

PART NUMBERS & ACCESSORIES

CLV 420/421/422

Power Supplies

Part #	Model	Description
7 024 494	PS 53-1000	115/230 V AC line voltage with 6 ft US line cord
7 024 495	PS 53-0000	24 V DC required

Brackets

Part #	Model	Description
2 020 077	MB-CLV410S	Small right angle bracket
2 020 078	MB-CLV410L	Large right angle bracket

Cables

Part #	Model	Description
6 010 075	KP-DB15H-2E	15-pin F to 15-pin M, straight through 2 m long cable
7 021 851	KP-DB09-2E	9-pin F to 9-pin M, straight through 2 m long cable (programming cable)
7 021 849	KP-DB09-3E	9-pin F to 9-pin M, straight through 3 m long cable

Setup Software

Part #	Model	Description
7 026 126	CLV Setup Software-CD	Windows™-based CLV programming software

CLV 430/431/432

Line Scanners

Part #	Model	Description
1 017 585	CLV 430-0010	Front emitting line scanner, standard / software selectable Host Port RS 232, RS 422/485
1 017 622	CLV 431-0010	Front emitting line scanner, mid-range / software selectable Host Port RS 232, RS 422/485
1 016 746	CLV 431-2010	Side emitting line scanner, mid-range / software selectable Host Port RS 232, RS 422/485
1 017 623	CLV 432-0010	Front emitting line scanner, close range / software selectable Host Port RS 232, RS 422/485
1 016 748	CLV 432-2010	Side emitting line scanner, close range / software selectable Host Port RS 232, RS 422/485

Raster Scanners

Part #	Model	Description
1 016 705	CLV 430-1010	Front emitting raster scanner, standard / software selectable Host Port RS 232, RS 422/485
1 016 679	CLV 431-1010	Front emitting raster scanner, mid-range / software selectable Host Port RS 232, RS 422/485
1 016 747	CLV 431-3010	Side emitting raster scanner, mid-range / software selectable Host Port RS 232, RS 422/485
1 016 680	CLV 432-1010	Front emitting raster scanner, close range / software selectable Host Port RS 232, RS 422/485
1 016 749	CLV 432-3010	Side emitting raster scanner, close range / software selectable Host Port RS 232, RS 422/485

PART NUMBERS & ACCESSORIES

CLV 430/431/432

Oscillating Mirror Scanners

Part #	Model	Description
1 017 981	CLV 430-6010	Oscillating mirror scanner, standard / software selectable Host Port RS 232, RS 422/485
1 017 982	CLV 431-6010	Oscillating mirror scanner, mid-range / software selectable Host Port RS 232, RS 422/485
1 017 983	CLV 432-6010	Oscillating mirror scanner, close range / software selectable Host Port RS 232, RS 422/485

Power Supplies

Part #	Model	Description
7 024 494	PS 53-1000	115/230 V AC line voltage with 6 ft US line cord
7 024 495	PS 53-0000	24 V DC required
7 024 454	PS 51-1000-DNET-MICRO	115/230 V AC DeviceNet unit with micro connector
7 024 686	PS 51-0000-DNET-MINI	DeviceNet unit with mini connector, 24 V DC required

Brackets

Part #	Model	Description
2 020 410	CLV 43X/44X BRACKET	Right angle bracket
7 024 011	MB-W45A-43X-QR	Ball and socket bracket with Quick Release
2 022 564	MB-CLV-43X/44X/45X	"U"-shaped bracket

Cables

Part #	Model	Description
6 010 075	KP-DB15H-2E	15-pin F to 15-pin M, straight through 2 m long cable
7 021 851	KP-DB09-2E	9-pin F to 9-pin M, straight through 2 m long cable (programming cable)
7 021 849	KP-DB09-3E	9-pin F to 9-pin M, straight through 3 m long cable

Setup Software

Part #	Model	Description
7 026 126	CLV Setup Software-CD	Windows™-based CLV programming software

CLV 440/442

Line Scanners

Part #	Model	Description
1 017 588	CLV 440-0010	Front emitting line scanner, standard / software selectable Host Port RS 232, RS 422/485
1 017 595	CLV 442-0010	Front emitting line scanner, high density / software selectable Host Port RS 232, RS 422/485

PART NUMBERS & ACCESSORIES

CLV 440/442

Oscillating Mirror Scanners

Part #	Model	Description
1 017 984	CLV 440-6010	Oscillating mirror scanner, standard / software selectable Host Port RS 232, RS 422/485

Power Supplies

Part #	Model	Description
7 024 494	PS 53-1000	115/230 V AC line voltage with 6 ft US line cord
7 024 495	PS 53-0000	24 V DC required
7 024 454	PS 51-1000-DNET-MICRO	115/230 V AC DeviceNet unit with micro connector
7 024 686	PS 51-0000-DNET-MINI	DeviceNet unit with mini connector, 24 V DC required

Brackets

Part #	Model	Description
2 020 410	CLV 43X/44X BRACKET	Right angle bracket
7 024 011	MB-W45A-43X-QR	Ball and socket bracket with Quick Release
2 022 564	MB-CLV-43X/44X/45X	"U"-shaped bracket

Cables

Part #	Model	Description
6 010 075	KP-DB15H-2E	15-pin F to 15-pin M, straight through 2 m long cable
7 021 851	KP-DB09-2E	9-pin F to 9-pin M, straight through 2 m long cable (programming cable)
7 021 849	KP-DB09-3E	9-pin F to 9-pin M, straight through 3 m long cable

Setup Software

Part #	Model	Description
7 026 126	CLV Setup Software-CD	Windows™-based CLV programming software

CiMAX® 7500A/7550A/7555A

Line Scanners

Part #	Model	Description
	7500A	CiMAX 7500A front emitting line scanner
<i>*Model Configuration: 7500A-A B C D E F (configuration options follow)</i>		
	7550A	CiMAX 7550A front emitting line scanner
<i>*Model Configuration: 7550A-A B C D E F (configuration options follow)</i>		
	7555A	CiMAX 7555A front emitting line scanner
<i>*Model Configuration: 7555A-A B C D E F (configuration options follow)</i>		

PART NUMBERS & ACCESSORIES

CiMAX® 7500A/7550A/7555A

Scan Line and Angle Options: A

Part #	Model	Description
A	1	10-sided, 60°, diamond machined polygon
A	3	10-sided, discrete raster 1.5 in at 6.0 in
A	4	Front emitting raster scanner / software selectable Host Port RS 232, RS 422/485

Laser Options: B

Part #	Model	Description
B	1	4.0 in (101.6 mm) / 5 mW laser diode
B	2	8.0 in (203.2 mm) / 10 mW laser diode
B	3	14.0 in (355.6 mm) / 10 mW laser diode
B	4	18.0 in (457.2 mm) / 10 mW laser diode
B	5	26.5 in (673.1 mm) / 10 mW laser diode
B	6	28.0 in (711.2 mm) / 10 mW laser diode
B	7	36.0 in (914.4 mm) / 10 mW laser diode
B	8	13.0 in (330.2 mm) / 10 mW laser diode

Beam Diverger/ORB Options: C

Part #	Model	Description
C	4	No beam diverger, standard optical receiver board
C	5	9.8 in (250 mm) diverger, standard optical receiver board
C	6	7.9 in (200 mm) diverger, standard optical receiver board

Operation Voltage & Communication Options: D

Part #	Model	Description
D	1	No Ethernet - for use with 888 or 895 interface box
D	2	No Ethernet - for use with basic interface box
D	3	SDS interface - requires 888 or 895 I/O box
D	4	DeviceNet interface - requires 888 or 895 I/O box
D	5	Ethernet, 10 base 2 - requires 888 or 895 I/O box
D	6	Ethernet, RJ45 - requires 888 or 895 I/O box

Memory Options: E

Part #	Model	Description
E	5	256 K memory, no CIX®
E	6	1 MB memory, no CIX®
E	7	256 K memory, with CIX®
E	8	1 MB memory, with CIX®

PART NUMBERS & ACCESSORIES

CiMAX® 7500A/7550A/7555A

Adjustment Options: F

Part #	Model	Description
F	2	Custom calibration (application specific)
F	3	High resolution calibration
F	9	Special - PCR required

Accessories

Part #	Model	Description
	A4-62877-1	Offset mounting adapter
	A4-62879-1	Machined plate mounting adapter
	A4-62883-1	3-way mounting adapter

Interface Boxes

Part #	Model	Description
	888	Interface box OMNI CIX-L, OMNI CIX-M, CiMAX 7500A, CiMAX 7600

**Model Configuration: 888-A B C D (configuration options follow)*

Product and Cable Length Options: A

Part #	Model	Description
A	1	OMNI CIX-L, with 26 ft (7.9 m) cable
A	2	OMNI CIX-M, with 12 ft (3.7 m) cable
A	3	CiMAX 7500A/7800, with 7 ft (2.1 m) cable
A	4	CiMAX 7500A/7800, with 15 ft (4.6 m) cable
A	5	CiMAX 7500A/7800, with 30 ft (9.1 m) cable
A	6	CiMAX 7500A/7800, with 7 ft (2.1 m) cable master/slave
A	7	CiMAX 7500A/7800, master (TMS)
A	8	CiMAX 7500A/7800, slave (TMS)
A	9	OMNI master/slave

Optically Isolate Inputs Options: B

Part #	Model	Description
B	1	Not installed
B	2	Quantity 8 installed

I/O Expansion Board Options: C

Part #	Model	Description
C	1	Not installed
C	2	PIC sonar installed
C	5	PIC height sensing installed
C	6	PIC tach multiplier installed

PART NUMBERS & ACCESSORIES

CiMAX® 7500A/7550A/7555A

Light Tree Options: D

Part #	Model	Description
D	1	Not installed
D	2	4 lite slim installed
D	3	4 lite large installed

Utility Interface Box

Part #	Model	Description
	A1-63207-1	Utility I/F box (12 V DC output, 15 W)
	A1-63208-1	Utility Starnode I/F box (12 V DC output, 15 W)
	A1-63345-1	"Y" cable (7500A/76XX to utility box)
	A1-63207-2	Utility interface box with tach input (12 V DC output, 15 W)
	A1-63207-3	Utility interface box 24 V DC input
	A1-63345-2	7600 utility "Y" cable (A1-63207-1 & A1-63207-3)

Accessories

Part #	Model	Description
	936-0021-6	Opto AC input module IAC-15
	936-0021-7	Opto AC output module OAC-15
	936-0021-10	Opto DC input module ICD-15
	936-0021-11	Opto DC output module ODC-15
	936-0021-12	Opto AC input module IAC-15 A 220 V
	936-0021-13	Opto AC output module OAC-15A 220 V
	A1-63172-1	Light tree kit Slim 4
	A1-63202-1	Light tree kit Large 4
	A1-63173-1	External speaker kit
	971-0161-1	CiMAX 1400 hand held setup / diagnostic terminal

CLV 450

Line Scanners

Part #	Model	Description
1 018 556	CLV 450-0010	Front emitting line scanner, standard / software selectable Host Port RS 232, RS 422/485

Oscillating Mirror Scanners

Part #	Model	Description
1 019 218	CLV 450-6010	Oscillating mirror scanner, standard / software selectable Host Port RS 232, RS 422/485

PART NUMBERS & ACCESSORIES

CLV 450

Power Supplies

Part #	Model	Description
7 024 494	PS 53-1000	115/230 V AC line voltage with 6 ft US line cord
7 024 495	PS 53-0000	24 V DC required
7 024 454	PS 51-1000-DNET-MICRO	115/230 V AC DeviceNet unit with micro connector
7 024 686	PS 51-0000-DNET-MINI	DeviceNet unit with mini connector, 24 V DC required

Brackets

Part #	Model	Description
2 020 410	CLV 43X/44X BRACKET	Right angle bracket
7 024 011	MB-W45A-43X-QR	Ball and socket bracket with Quick Release
2 022 564	MB-CLV-43X/44X/45X	"U"-shaped bracket

Cables

Part #	Model	Description
6 010 075	KP-DB15H-2E	15-pin F to 15-pin M, straight through 2 m long cable
7 021 851	KP-DB09-2E	9-pin F to 9-pin M, straight through 2 m long cable (programming cable)
7 021 849	KP-DB09-3E	9-pin F to 9-pin M, straight through 3 m long cable

Setup Software

Part #	Model	Description
7 026 126	CLV Setup Software-CD	Windows™-based CLV programming software

CLV 490

Line Scanners

Part #	Model	Description
1 016 958	CLV 490-0010	Line scanner, standard / software selectable Host Port RS 232, RS 422/485
1 016 960	CLV 490-0011	Line scanner, standard / software selectable Host Port RS 232, RS 422/485 with heater
1 019 311	CLV 490-2010	Line scanner, high density / software selectable Host Port RS 232, RS 422/485
1 018 872	CLV 490-6010	Line scanner, low density / software selectable Host Port RS 232, RS 422/485
1 019 095	CLV 490-6011	Line scanner, low density / software selectable Host Port RS 232, RS 422/485 with heater

Oscillating Mirror Scanners

Part #	Model	Description
1 016 959	CLV 490-1010	Oscillating mirror scanner, standard / software selectable Host Port RS 232, RS 422/485
1 016 961	CLV 490-1011	Oscillating mirror scanner, standard / software selectable Host Port RS 232, RS 422/485 with heater
1 019 313	CLV 490-3010	Oscillating mirror scanner, high density / software selectable Host Port RS 232, RS 422/485
1 019 094	CLV 490-7010	Oscillating mirror scanner, low density / software selectable Host Port RS 232, RS 422/485
1 019 096	CLV 490-7011	Oscillating mirror scanner, low density / software selectable Host Port RS 232, RS 422/485 with heater

PART NUMBERS & ACCESSORIES

CLV 490

Power Supplies

Part #	Model	Description
7 025 512	PS 56-1000	115/230 V AC line voltage with 6 ft US line cord (relay module optional)
7 025 513	PS 56-0000	24 V DC required (relay module optional)
7 026 160	RELAY 54/56	Relay module for PS 56
7 024 454	PS 51-1000-DNET-MICRO	115/230 V AC DeviceNet unit with micro connector
7 024 686	PS 51-0000-DNET-MINI	DeviceNet unit with mini connector, 24 V DC required

Brackets

Part #	Model	Description
2 011 436	MB-W45A	Ball and socket bracket
7 023 285	MB-W45A-QR	Ball and socket bracket with Quick Release
2 013 824	MB-CLV-S	Angle bracket, single
2 013 825	MB-CLV-D	Angle bracket, double

Cables

Part #	Model	Description
6 010 075	KP-DB15H-2E	15-pin F to 15-pin M, straight through 2 m long cable
7 026 219	KP-DB15H-3E	15-pin F to 15-pin M, straight through 3 m long cable
7 023 386	KP-DB15M/09F-2E	15-pin M to 9-pin F, CLV I/O Port to PS 51, 2 m long cable
7 023 387	KP-DB15M/09M-3E	15-pin M to 9-pin F, CLV I/O Port to PS 51, 3 m long cable
7 023 388	KP-DB15F/09M-2E	15-pin F to 9-pin M, CLV Term/Host Port to PS 51, 2 m long cable
7 023 389	KP-DB15F/09M-3E	15-pin F to 9-pin M, CLV Term/Host Port to PS 51, 3 m long cable
7 021 851	KP-DB09-2E	9-pin F to 9-pin M, straight through 2 m long cable (programming cable)
2 020 981	KP-DB15/LEADS-3M-EE	Cloning plug cable - 3 m to two 15-conductor bare leads
2 020 622	KP-DB9/2-2M-EE	Cloning plug cable - 2 m to two 9-pin connectors
2 020 307	KP-DB15/2-DB15-3M-EE	Cloning plug cable - 3 m to two 15-pin connectors
2 021 044	KP-DB15-15M-EE	15 m cable from CLV to bare leads with cloning module - single cable (limited pins)
2 021 298	KP-DB15/DB15-3M-IP65-COLD	3 m low temp cable without EEPROM
2 021 299	KP-DB15-10M-IP65 COLD	10 m low temp cable without EEPROM

Setup Software

Part #	Model	Description
7 026 126	CLV Setup Software-CD	Windows™-based CLV programming software

PART NUMBERS & ACCESSORIES

CLV Accessories

PHOTOELECTRIC PRESENCE-SENSING TRIGGERS

Reflex Photoelectric - PNP output (mounting bracket included, must order reflector separately except for WL 250 & WL 150)

Part #	Model	Description
1 010 740	WL 12-P4381	Reflex switch, metal housing, range dependent on reflector used, 4-pin M12 quick-disconnect
7 023 047	WL 2000-B5300	Reflex photoelectric, polarized PNP/NPN, alarm, red, 15 m range (PL 80A), 5-pin M12
6 010 189	WL 170-P132	Reflex switch, sensing range 0.1...2.5 m, connecting cable 2 m long
7 023 829	WL 1000-P132	Reflex photoelectric, polarized, PNP, red, 4.2 m range (PL 80A), 2 m cable
7 024 632	WL 1000-P139	Reflex photoelectric, polarized, PNP, red, 4.2 m range (PL 80A), 9 m cable
7 023 830	WL 1000-P430	Reflex photoelectric, polarized, PNP, red, 4.2 m range (PL 80A), 4-pin M12 connector

Proximity Photoelectric - with adjustable background suppression, PNP output (mounting bracket must be ordered separately)

Part #	Model	Description
1 011 017	WT 12-P4381	Proximity sensor, metal housing, sensing range 20...130 mm, 4-pin M12 quick-disconnect
1 015 082	WT 27-2F430	Proximity sensor, plastic housing, sensing range 100...500 mm, 4-pin M12 quick-disconnect
1 011 461	WT 24-B4101	Proximity sensor, metal housing, sensing range 200...2000 mm, 4-pin M 12 quick-disconnect

Reflectors - for WL 12

Part #	Model	Description
1 002 314	PL 30A	30 x 50 mm, screw-mounted, operating range 0...1.5 m
1 000 132	PL 50A	48 mm hexagon, screw-mounted, operating range 1...2 m
1 003 865	PL 80A	80 x 80 mm, screw-mounted, operating range 1...3 m

Brackets

Part #	Model	Description
2 012 938	MB-W12S	Mounting bracket (small) for W12 series
2 015 248	MB-W24	Mounting bracket for W24 series
2 009 122	MB-W27	Mounting bracket for W27 series
7 022 981	MB-W2000	Mounting bracket for W2000, metal housing

Cables

Part #	Model	Description
7 020 020	KD4-SIM122	Straight 4-pin M12 connector to bare leads for connection to power supply, 2 m long
7 020 678	KD4-SIM125	Straight 4-pin M12 connector to bare leads for connection to power supply, 5 m long
7 021 913	KP-HT01-2	Straight 4-pin M12 connector to 9-pin D-Sub connection to CLV or power supply, 2 m long
7 021 914	KP-HT01-5	Straight 4-pin M12 connector to 9-pin D-Sub connection to CLV or power supply, 5 m long

PART NUMBERS & ACCESSORIES

OMNI DIRECTIONAL & TUNNEL SCANNING SYSTEMS

CLX 490

Omni Directional Scanners

Part #	Model	Description
1 019 318	CLX 490-0010	Integrated omni directional scanner / software selectable RS 232, RS 422/485

Brackets

Part #	Model	Description
2 022 996	CLX 490 MTG Bracket	Angle bracket, single

NOTE: ALL OTHER CLX 490 ACCESSORIES SAME AS CLV 490 ACCESSORIES SHOWN ON PREVIOUS PAGE

Integrated Omni Scanning Systems

Part #	Description
1 019 691	OPS 400, integrated omni scanner (standard density)
1 019 692	OPS 400, integrated omni scanner (high density)
1 019 693	OPS 400, integrated omni scanner (low density)
910-4-ABCDE	OMNI-L Slim X, integrated omni directional scanner with slim X-pattern for tire reading applications
920-4-ABCDEF	OMNI-2110, integrated maximum performance omni directional scanner (available as single or dual "X")

Standard OPS (Omni Portal Systems)

(Includes standard range CLV 490 scanners, cables/connectors, mounting hardware, cloning modules, controller/power supply, light switch)

Model #	Description
OPS290	OPS 290 modular omni scanning system, 2 scan heads, 90 degree pattern
OPS360	OPS 360 modular omni scanning system, 3 scan heads, 60 degree pattern
OPS490	OPS 490 modular omni scanning system, 4 scan heads, 90 degree pattern
OPS560	OPS 560 modular omni scanning system, 5 scan heads, 60 degree pattern

Advanced OPS (Omni Portal Systems)

(Includes standard range CLV 490 scanners, cables/connectors, mounting hardware, cloning modules, controller/power supply, light switch)

Model #	Description
OPS6X0	OPS 6X0 modular omni scanning system, 6 scan heads
OPS7X0	OPS 7X0 modular omni scanning system, 7 scan heads
OPS8X0	OPS 8X0 modular omni scanning system, 8 scan heads
OPS9X0	OPS 9X0 modular omni scanning system, 9 scan heads
OPS10X0	OPS 10X0 modular omni scanning system, 10 scan heads
OPS12X0	OPS 12X0 modular omni scanning system, 12 scan heads
OPS14X0	OPS 14X0 modular omni scanning system, 14 scan heads

PART NUMBERS & ACCESSORIES

ALIS (Airport Luggage Identification Systems)

(Includes scanners, cables/connectors, mounting hardware, cloning modules, controller/power supply, light switch)

Model #	Description
TCT750/6	TCT750/6, T-code tray, 6 scan head modular scanning system
TCT750/8	TCT750/8, T-code tray, 8 scan head modular scanning system
TCB750/8	TCB750/8, T-code belt, 8 scan head modular scanning system
TCB750/10	TCB750/10, T-code belt, 10 scan head modular scanning system
LCT750/10	LCT750/10, T-code tray, 10 scan head modular scanning system
LCT750/12	LCT750/12, T-code tray, 12 scan head modular scanning system
LCB750/12	LCB750/12, T-code belt, 12 scan head modular scanning system
LCB750/14	LCB750/14, T-code belt, 14 scan head modular scanning system
TBD	Redundancy option; additional price (includes 2nd tach, light switch and OTS)
UCB2	Underneath scanner for belt conveyor standard (includes: 2 CLV, blower, cables, connect box and bracket)
UCB2 OTS	Underneath scanner for belt conveyor with OTS (includes: 2 CLV, blower, cables, brackets and OTS 400)

Omni System Components

(Included in OPS System, quantities per system configuration dependent)

Part #	Description
1 016 958	CLV490-0010 line (standard density)
6 021 164	CAN cable, 2.3 ft (0.7 m)
6 021 165	CAN cable, 9.8 ft (3.0 m)
6 021 168	CAN cable, 16.4 ft (5.0 m)
2 019 848	Cable with EEPROM plug (for USB)
6 021 166	CAN cable OTS/scanner 16.4 ft (5.0 m)
6 021 167	Resistor
2 021 164	Scanner connector with EEPROM in connector housing
2 023 599	Scanner connector with EEPROM in connector housing (with blower connect)
2 021 858	Mounting kit, pre-assembled (includes mounting plate, angles, quick release, screws, washers, nuts)
4 033 237	Mounting plate 21.3 x 6.3 x 0.6 in (540 x 160 x 16 mm)
4 033 228	Mounting angles
2 016 110	Quick release brackets
4 025 868	Double bracket (for UCB)
1 017 867	OTS OMNI-Tracking controller including OTC and power supply in IP 65 housing
2 021 153	Light switch WL18-2P430 including reflector and cable

PART NUMBERS & ACCESSORIES

Omni System Options and Recommended Spare Parts

(OPTIONAL)

Part #	Description
1 016 958	CLV490-0010 line (standard density)
1 016 960	CLV490-0011 line with heater (standard density)
1 017 866	OTC OMNI-Tracking controller IP 20 (spare)
6 020 875	Power supply, 24 V/10 A (spare)
2 022 714	Incremental encoder IG 64
5 001 070	Blower fan with cable (recommended for ALIS bottom scanning option)
4 028 998	Blower fan filter (recommended for ALIS bottom scanning option)
1 022 154	RDT workstation sold with license RDT400-1000
1 022 153	1-10 clients RDT400-0000
1 023 647	11-24 clients RDT400-2000
1 023 648	25-64 clients RDT400-3000
1 022 155	RDT demo version RDT400-0010

*PC quoted upon request, otherwise customer supplies PC

MACHINE VISION SYSTEMS

ICR 850

Vision Scanners

Part #	Model	Description
1 019 580	ICR 850-0010	Straight reading window, RS 232/422/485
1 019 602	ICR 850-1010	Lateral reading window, RS 232/422/485
1 022 583	ICR 850-0020	Straight reading window, RS 232/422/485, Ethernet
1 022 585	ICR 850-1020	Lateral reading window, RS 232/422/485, Ethernet

Power Supplies

Part #	Model	Description
7 024 494	PS 53-1000	115/230 V AC line voltage with 6 ft US line cord
7 024 495	PS 53-0000	24 V DC required

Brackets

Part #	Model	Description
2 025 491	(TBD)	Mounting bracket including screws (2 x self-locking screws M 5x16)

PART NUMBERS & ACCESSORIES

ICR 850

Cables

Part #	Model	Description
6 010 075	KP-DB15H-2E	15-pin F to 15-pin M, straight through 6.5 ft (2.0 m) long cable
7 021 851	KP-DB09-2E	9-pin F to 15-pin M, straight through 6.5 ft (2.0 m) long cable (programming cable)
7 021 849	KP-DB09-3E	9-pin F to 9-pin M, straight through 9.8 ft (3.0 m) long cable
6 026 083	(TBD)	Ethernet data cable, shielded with 2 RJ 45 connectors; ICR to Ethernet network
6 026 084	(TBD)	Ethernet crossover cable, shielded with 2 RJ 45 connectors; ICR to PC

Setup Software

Part #	Model	Description
7 026 126	CLV Setup Software-CD	Windows™-based CLV programming software

HAND HELD SCANNERS

IT 3800

Linear Imager

Part #	Model	Description
6 020 935	IT3800LR-12 Imager	Hand held linear imager scanner (includes wall holder)
6 021 576	IT3800HD-12 Imager	Hand held linear imager scanner, high density (includes wall holder)

Accessories

Part #	Model	Description
7 025 981	PS5U-41 Power Supply	120 V AC input power supply for IT 3800/ST 2000
7 025 580	KP-HH-RS232-DB9F/2.4M-3800	Direct connect to standard RS 232 TTL - DB 9-pin F/2.4 m (external power required)
7 025 700	KP-HH-RS232-DB9F/4.5M-3800	Direct connect to standard RS 232 TTL - DB 9-pin F/4.5 m (external power required)
7 026 496	KP-HH-PC-PS2/2.4M-3800	Direct connect to PS 2 (mini DIN) - keyboard wedge - 2.4 m (no external power required)
7 025 579	3800/DO/UG	IT 3800 Users Guide
7 025 701	Visual Menu Software	Windows™-based programming software
7 025 702	IT 3800 Holder	IT 3800 wall or counter holder, beige

PART NUMBERS & ACCESSORIES

ST 5750

Laser Scanner

Part #	Model	Description
6 022 219	ST 5750A-12	Industrialized laser scanner, standard range ST 5750
6 022 221	ST 5750ALR-12	Industrialized laser scanner, advanced long range ST 5750

Accessories

Part #	Model	Description
7 026 203	PS5U-11	Universal 100...250 V input power supply for ST 5750/IT 4410/IT 4710
7 026 493	KP-HH-RS232-DB9F/2.4M-5750	Direct connect to standard RS 232 TTL - DB 9-pin F/2.4 m (external power required)
7 026 495	KP-HH-PC-PS2/2.4M-5750	Direct connect to PS 2 (mini DIN) - keyboard wedge - 2.4 m (no external power required)
7 025 703	5750/D0/UG	ST 5750 Users Guide
7 025 704	Scan Holder/ST 5750	ST 5750 wall mount

IT 4410/4710

2D Imager

Part #	Model	Description
7 026 210	IT 4410LR-131CK 2D Kit	IT 4410 long range 2D linear imager kit with power supply and true RS 232 cable, 2.4 m
7 026 209	IT 4410HD10-131CK 2D Kit	IT 4410 high density 2D linear imager kit with power supply and true RS 232 cable, 2.4 m
7 027 009	IT 4410LD-121CK 2D Kit	IT 4410 long range 2D linear imager kit with power supply and PS 2 keyboard wedge, 2.4 m
7 026 551	IT 4410HD-121CK 2D Kit	IT 4410 high density 2D linear imager kit with power supply and PS 2 keyboard wedge, 2.4 m

Fixed Position 2D Imager

Part #	Model	Description
7 026 212	IT 4710LR-131CK 2D Kit	IT 4710 long range fixed position 2D linear imager kit with power supply and true RS 232 cable, 2.4 m
7 026 211	IT 4710HD10-131CK 2D Kit	IT 4710 high density fixed position 2D linear imager kit with power supply and true RS 232 cable, 2.4 m

Accessories

Part #	Model	Description
7 026 203	PS5U-11	Universal 100...250 V power supply
6 020 845	KP-HH-RS232-DB9F-2.4M-2D	Direct connect to standard RS 232 - DB 9-pin F / 2.4 m (external power required)
7 025 706	KP-HH-RS232-DB9F-4.5M-2D	Direct connect to standard RS 232 - DB 9-pin F / 4.5 m (external power required)
6 020 846	44/47SCANSTAND	Hands-free stand for IT 4410/IT 4710
7 025 707	44/4710/UG	IT 4410/IT 4710 Users Guide
7 025 701	Visual Menu Software	Windows™-based programming software

PART NUMBERS & ACCESSORIES

IT 3870/ST 5770

Cordless Series

Part #	Model	Description
7 026 205	IT 3870LX-A2 Imager	Cordless hand held linear imager with NiMH battery
7 025 714	ST 5770STD-A2 Laser	Cordless standard range hand held laser scanner with NiMH battery
7 025 715	ST 5770ALR-A2 Laser	Cordless long range hand held laser scanner with NiMH battery

Accessories

Part #	Model	Description
7 025 720	ST 2070-1A Base	Cordless base station (up to 9 cordless hand held scanners per base), 50 ft radius range
7 025 716	PS 120/9V	120 V AC input power supply for ST 2070 base
7 025 717	UC2 Charging Station	2 gang universal charging station - includes power cord
7 025 718	UC6 Charging Station	6 gang universal charging station - includes power cord
6 021 289	NiMH Battery	NiMH Battery
6 020 925	KP-HH-RS232-DB9F/2.4M-RF	Connect ST 2070 base (Aux port) to Standard RS 232 - DB 9-pin F, 2.4 m
6 020 917	KP-HH-PC-AT/XT/2.4M-RF	Connect ST 2070 base (Host port) to Keyboard Wedge (AT/XT), DIN, 2.4 m
7 026 927	KP-HH-PC-PS2/2.4M-RF	Connect ST 2070 base (Host port) to Keyboard Wedge (PS 2), Mini DIN, 2.4 m
7 025 721	CLESS/BH Belt Holster	Belt holster for cordless unit
6 020 929	CLESS/WMK/IND Wall Mount	Wall mount bracket for cordless units
7 025 701	Visual Menu Software	Windows™-based programming software
7 025 722	38/5770/SM	Systems manual for 3870/5770 cordless scanners

ST 2000

Keyboard Wedge

Part #	Model	Description
6 010 829	ST 2000/C-5 KB Wedge	Keyboard wedge with RS 232 Aux - power via external power supply

Accessories

Part #	Model	Description
7 025 981	PS5U-41 Power Supply	120 V AC input power supply for IT 3800/ST 2000
7 025 708	KP-HH-PC-PS2/AT/XT-ST2000	Connect ST 2000 to IBM PC - PS 2/AT/XT combo for keyboard wedge
7 025 709	KP-HH-RS232-DB9M-ST2000	Aux port of ST 2000C to DB 9M with RxD on pin 2
7 025 710	Wand/ST 2000	Programming wand - used to program ST 2000 wedge
7 025 711	ST 2000/PM	ST 2000 programming manual
7 025 712	ST 2000/TM	ST 2000 technical manual

PART NUMBERS & ACCESSORIES

LASER MEASUREMENT SYSTEMS

Indoor

Indoor Systems

Part #	Model	Description
1 015 850	LMS 200-30106	Indoor, 180° scan window, 0...10 m range, blue housing
1 018 028	LMS 291-S05	Indoor, 180° scan window, 1...30 m range, fog correction, grey housing

Connection/Mounting Brackets

Part #	Model	Description
2 018 963	Connection Set 1 LMS	Interface and power connectors without cables
2 018 964	Connection Set 2 LMS	Interface and power connectors with 5 m long cables
2 018 965	Connection Set 3 LMS	Interface and power connectors with 10 m long cables
2 015 623	Mounting Set 1 LMS	LMS Mounting Set 1, stationary bracket
2 015 624	Mounting Set 2 LMS	LMS Mounting Set 2, mounts to Set 1 (Set 1 necessary for Set 2)
2 015 625	Mounting Set 3 LMS	LMS Mounting Set 3, mounts to Set 2 (Set 1 and Set 2 necessary for Set 3)
2 020 925	Fine Adjustment mounting set	Fine adjustment mounting set; 2 axis
2 020 926	3rd Axis for fine adjustment	3rd axis for fine adjustment; Fine Adjustment Mounting Set (2 020 925) necessary

Cables

Part #	Model	Description
2 016 401	Interface Cable 3m LMS	Interface cable; 3 m long (programming cable)
2 016 402	Interface Cable 5m LMS	Interface cable; 5 m long (programming cable)
2 016 403	Interface Cable 10m LMS	Interface cable; 10 m long (programming cable)

System Application/Expansion Interfaces - *to expand the capabilities of all laser measurement scanners*

Part #	Model	Description
1 016 761	LMI 200	Evaluation and control unit for measurement application
1 013 867	LMI 400-60002	Interface; 1 to 4 sensors, 6 switching outputs (adds outputs and field sets to all LMS)

Interface Card - *for collecting data in real time*

Part #	Model	Description
6 011 807	ISA PC Interface Card LMS	Serial, high speed ISA PC interface card RS 422 (500 kBd)
6 022 515	PCI PC Interface Card LMS	Serial, high speed PCI PC interface card RS 422 (500 kBd)
7 026 897	PCMCIA Card LMS	Serial, high speed PC interface card RS 422 (500 kBd)

PART NUMBERS & ACCESSORIES

Indoor

Standard User Software - used for setting fields in LMS

Part #	Model	Description
7 025 784	Software LMS	LMS/LMI User Software (diskette and instructions)

Telegram Listing - data format and command language listings for all LMS

Part #	Model	Description
8 007 954	Telegram Listing	LMS/LMI 400 Telegram Listing

Adapters/Power Supply

Part #	Model	Description
6 010 361	Main Adapter 24 V DC/2.5 A	2.5 A power supply
6 010 362	Main Adapter 24 V DC/4 A	4.0 A power supply (capable of powering two indoor LMS)
6 011 156	Main Adapter 24 V DC/10 A	10.0 A power supply (capable of powering one outdoor or four indoor LMS)

Beamfinder

Part #	Model	Description
6 020 756	Scanfinder LS70B	Receiver for locating scans

Outdoor

Outdoor Systems

Part #	Model	Description
1 015 945	LMS 220-30106	Outdoor, 180° scan window, 0...10 m range, heater, blue housing
1 018 023	LMS 211-30206	Outdoor, 100° scan window, 1...30 m range, fog correction, heater/lens, grey housing
1 018 022	LMS 221-30206	Outdoor, 180° scan window, 1...30 m range, fog correction, heater, grey housing

Shields/Mounting Brackets

Part #	Model	Description
2 025 793	Dust Prevention Shield	Dust prevention shield for LMS 211 only, grey housing
2 018 306	Dust Shield w/Motor Shutter	Dust prevention shield with integrated motor shutter for LMS 211 only, grey housing
4 034 559	Dust Prevention Shield	180° dust prevention shield for LMS 220/221
2 018 303	Mounting Set LMS	Mounting set (alignment bracket)
2 018 304	Mast Bracket LMS	Mast bracket (mounting set necessary)
5 306 222	Tightening strap	For mast bracket (above), per meter
5 306 221	Tightening strap lock	For mast bracket (above)

PART NUMBERS & ACCESSORIES

Outdoor

Cables

Part #	Model	Description
2 019 561	Interface Cable Outdoor LMS	Interface cable, 5 m long, connector with 2 cables for configuration and power
2 018 301	Outdoor Plug with Housing	Replacement outdoor LMS connection plug with housing LMS 211/LMS 220/LMS 221
6 004 379	Outdoor Plug w/o Housing	Replacement outdoor LMS connection plug without housing

System Application/Expansion Interfaces - to expand the capabilities of all laser measurement scanners

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1 013 867	LMI 400-60002	Interface; 1 to 4 sensors, 6 switching outputs (adds outputs and field sets to all LMS)

Interface Card - for collecting data in real time

Part #	Model	Description
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7 026 897	PCMCIA Card LMS	Serial, high speed PCMCIA interface card RS 422 (500 kBd)

Standard User Software - used for setting fields in LMS

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