项目	轨道	检测功能	真空tooling	温度控制	精度	夹具	氮气系统	离线程序	UPS	2DID read
设备	单/双轨	有无	有无	有无	大小	是否需要	有无	有无	有无	有无
S3-CCY-LSC-M9 Placement Machine	双轨	无	有	无	0.025mm	否	无	有	有	有
S3-CCY-LSC-M9-CCA Printer	单轨	无	有	有	0.125mm	否	无	无	有	有
S3-CCY-LSC-M9-CCA AOI	单轨	有	有	无	Resolution:15µm	否	无	有	有	有
S3-CCY-LSC-M9-CCA SPI	单轨	有	有	无	Resolution: 15um	否	无	有	有	有
S3-CCY-LSC-M9-CCA Reflow Oven	单轨	无	无	有	/	有	有	无	有	无

## S3-CCY-LSC-M9

```
I. Quotation: QT/I B2040002040-01 dated 16th February 2022
S3-CCY-LSC-M9
ITEM. PART NO.
               DESCRIPTION OTY
1 ASM SIPLACE PLACEMENT MACHINE - SIPLACE TX2i (20P2/20P2) DL
1.01 588300 SMT Placement Machine SIPLACE TX2i 6
1.03 520018 Loc 1,2 SMT PlaceHead SIPLACE SpeedStar C+P20 P2
12
1.05 519891 Loc 1,2 Nozzlechanger R1 CP20/CPP SIPLACE X 6
1.06 588115 Dual Conveyor SIPLACE TX 6
1.07 120653
              DL fixed side outside (Fixed side outer position
dual lane) 6
1.08 119612
           Transportheight 950mm
1.09 588107 Loc 1,2 Comp. change trolley SIPL 40 Feeder Slots
12
1.10 519896 Lighttower three colors 6
               Input conveyor extension SIPLACE TX 1
1.11 588311
        Fixed rail dual lane 281; max PCB width 260 mm 6
1.12 N/A
1.13 588200 Flexible Dual Lane SIPLACE TX License 6
              Basic pack vacuum tooling TX 6
1.14 588121
1.15 588103 Interior Light SIPLACE TX 6
1.16 SOKO Dedicated Vacuum Tooling 6
```

Item Material Description
Order qty.Unit Price per unit Net value

```
2 Programming and Computers (编程和电脑)
     2.01 117862 SIPLACE Pro Basis License V18.x 0
     2.02 117132
                     Operating Sys USB pack. W10IoT(7xx) V1.1,
     2.02 11/132 Operating Sys odd pack. M1013 (12.03)
2.03 117888 ASM Software Collection USB Media R20-2 0
2.04 117001 ASM Desktop Hardware +Windows 10 (6) 1
2.05 117005 ASM Line Utility Box (04/2019) 1
     ASM Setup Center (防错料系统软硬件)
     2.06 117622 Setup Center Basic License V9.x 0
     2.07 118218 ASM Mobile Touch Computer (TC52 - China) 2 2.08 56001167 SIPLACE WLAN ACCESS POINT 0
     2.09 116518 Alternative Components (MC) v10 6
     2.10 SOKO Offline Feeder Bounding and Double Verification MC 6
     ASM off line Setup (防错料系统 线外备料)
     2.11 117001 ASM Desktop Hardware +Windows 10 (6) 0
    2.12 56001167 SIPLACE WLAN ACCESS POINT 0
2.13 118218 ASM Mobile Touch Computer (TC52 - China) 0
2.14 116933 SIPLACE Docking Station COT40 0
2.15 116904 CIN Box for Docking Station 0
        ASM traceability (ASM追溯软件)
     2.16 117312 Traceability Basic License V5.x 0
     2.17 169578 SIPLACE Traceability Station Connection 0
     2.18 117945 SIPLACE Traceability with MES Process Interlocking 6
     2.19 56001953-01 PCB Barcode Reader Sick Lector 621DPM 1
     2.20
     588108
         Mount Kit 2D PCB barcode reader SIPL TX 1
588108
    Mount Kit 2D PCB barcode reader SIPL TX 1
                   Line Operations Machine Connection 6
2.21 116525
2.22 117943 Process Data Interface SIPLACE (MC) 6
   ASM OIB (ASM接口软件)
2.23 117922
                 OIB Integration Platform License V6.x 0
2.24 117906
                   OIB Int.Platform (MC) V6.x SIPLACE 6
   SECS GEM and E Mapping
2.25 56001920-01 SECS/GEM Platform License V6.X 6
2.26 169543-02 VIH-XML-Wrapper (1X per line, incl. service
support) 1
 ASM Line Monitor (ASM低位预警)
2.27 117532 Line Monitor (MC) V4.X SIPLACE 6
 ASM Performance Monitor (绩效监控软件)
2.28 117502 ASM Performance Monitor V2.X - Server 0
2.29 117508-01 ASM Perform Monitor mit Expl-SIplace 6
 Local Software and Customize
2.30 450118 SIPLACE SLE Line Package 0
2.31 56001147 SIPLACE Logview Line Package Line License
 Factory Equipment Center Feeder Module (工厂设备中心飞达管理模块)
```

Item Material Description Price per unit Order qty.Unit Net value 2.32 56001925 Inspur NP5570M5 0 2.33 117207 SQL. Srv Std Ed Runtime 2019 EMB EN 0 2.34 117208 MS SQL2019 ProcessorRT 4Core addLiz 0 2.35 118150 ASM Factory Equipment Center Feeders, 5 years autt 0 Auto Programing (导入ODB++自动编程自动优化) 2.36 SOKO ASM Auto Programing from ODB++ to Pro Job 0 Sub Total Ex-work (USD) 3 SIPLACE Feeder X and few parts 3.01 141498 SIPLACE SmartFeeder 4mm Xi Splice with sensor 80 3.02 141500 SIPLACE SmartFeeder 8mm Xi Splice with sensor 80 3.03 3233612 Master Tape 4mm X-Feeder 6
3.04 3233614 Master Tape 8mm X-Feeder 6
3.05 359505 Ceram Pads 2x2mm (TAPE) 30
3.06 588107 CO trolley SIPLACE TX, 40 slots 2
3.07 3126608 Placement head CP20 P2 / w/o camera 1
3.08 3131695 CO camera C+P (type48) 8x8 GigE 1
3.09 3133310 CO sensor - CP20 P2 1 3.10 141247 Energy/Data Interface Feeder Module X 1 3.11 116904 CIN Box for Docking Station 1 3.12 117001 ASM Desktop Hardware Window 10(6) 1 3.13 SOKO DESK for single slot 1 3.14 SOKO Feeder cartriage 8 Sub Total Ex-work ( USD) 4 SIPLACE Nozzle X only (吸嘴按包算,每包六个) 4.01 3103544 Nozzle type 4108/6108 cpl. ceramic 50 Nozzle type 4004/6004 cpl ceramic 10 4.02 3098544 4.03 3101981 Nozzle type 4103/6103 cpl ceramic 50 4.04 3103553 Nozzle type 4109/6109 cpl ceramic 50 4.05 3099684 Nozzle type 4007/6007 cpl ceramic 10 4.06 325866 Sleeve Brush dia. 8 0 Clasp hook modified 1 4.07 3076659 4.08 3123777 One-handed grease gun cpl.f.400ml cartr. 1 SIPLACE cleaning-RAG 50 4.09 315253 4.10 352931 SIPLACE clean sticks 20 4.11 3042001 Filter disc cpl. C+P20 Filter disc cpl. C+P20 25 Hose, DP vacuum CP20p 10 4.12 3103784 4.13 355386 FILTER INSERT 5 MICROM.F.COMPONENT LINE 10 4.14 376006 filter element f. air filter 5 4.15 3003717 filter element 10

4.17 40 4.18 4.19 4.20 4.21 4.22 4.23 4.24 4.25 2.26 4.27	3101503 3121894 3121441 3121443 3121442 3102532 3112643 3109541 3172724 3109694	lubrication grease BEM 34-132,400g cart. Nozzle magazine type 40xx PLS USE 3218226  Synchronous belt L=1362 mm 1  Syncronous belt L=843 mm 1  Syncronous belt L=447 mm 1  Syncronous belt L=1506 mm 1  DP drive CP20p cpl. 5  Head Maintenance Kit option for CP20P/P2  Head Maintenance Kit for CPx 0  Head Exchange Kit option f. CP20P2 0	2 wh	
4.17 40 4.18 4.19 4.20 4.21 4.22 4.23 4.24 4.25 2.26 4.27	3101503 3121894 3121441 3121443 3121442 3102532 3112643 3109541 3172724 3109694	Nozzle magazine type 40xx PLS USE 3218226 Synchronous belt L=1362 mm 1 Syncronous belt L=843 mm 1 Syncronous belt L=447 mm 1 Syncronous belt L=1506 mm 1 DP drive CP20p cpl. 5 Head Maintenance Kit option for CP20P/P2 Head Maintenance Kit for CPx 0	s wh	
4.17 40 4.18 4.19 4.20 4.21 4.22 4.23 4.24 4.25 2.26 4.27	3101503 3121894 3121441 3121443 3121442 3102532 3112643 3109541 3172724 3109694	Nozzle magazine type 40xx PLS USE 3218226 Synchronous belt L=1362 mm 1 Syncronous belt L=843 mm 1 Syncronous belt L=447 mm 1 Syncronous belt L=1506 mm 1 DP drive CP20p cpl. 5 Head Maintenance Kit option for CP20P/P2 Head Maintenance Kit for CPx 0	s wh	
40 4.18 4.19 4.20 4.21 4.22 4.23 4.24 4.25 2.26 4.27	3121894 3121441 3121443 3121442 3102532 3112643 3109541 3172724 3109694	Synchronous belt L=1362 mm 1 Syncronous belt L=843 mm 1 Syncronous belt L=447 mm 1 Syncronous belt L=1506 mm 1 DP drive CP20p cpl. 5 Head Maintenance Kit option for CP20P/P2 Head Maintenance Kit for CPx 0		
4.19 4.20 4.21 4.22 4.23 4.24 4.25 2.26 4.27	3121441 3121443 3121442 3102532 3112643 3109541 3172724 3109694	Syncronous belt L=843 mm 1 Syncronous belt L=447 mm 1 Syncronous belt L=1506 mm 1 DP drive CP20p cpl. 5 Head Maintenance Kit option for CP20P/P2 Head Maintenance Kit for CPx 0		0
4.19 4.20 4.21 4.22 4.23 4.24 4.25 2.26 4.27	3121441 3121443 3121442 3102532 3112643 3109541 3172724 3109694	Syncronous belt L=843 mm 1 Syncronous belt L=447 mm 1 Syncronous belt L=1506 mm 1 DP drive CP20p cpl. 5 Head Maintenance Kit option for CP20P/P2 Head Maintenance Kit for CPx 0		0
4.20 4.21 4.22 4.23 4.24 4.25 2.26 4.27	3121443 3121442 3102532 3112643 3109541 3172724 3109694	Syncronous belt L=447 mm 1 Syncronous belt L=1506 mm 1 DP drive CP20p cpl. 5 Head Maintenance Kit option for CP20P/P2 Head Maintenance Kit for CPx 0		0
4.21 4.22 4.23 4.24 4.25 2.26 4.27	3121442 3102532 3112643 3109541 3172724 3109694	Syncronous belt L=1506 mm 1 DP drive CP20p cpl. 5 Head Maintenance Kit option for CP20P/P2 Head Maintenance Kit for CPx 0		0
4.22 4.23 4.24 4.25 2.26 4.27	3102532 3112643 3109541 3172724 3109694	DP drive CP20p cpl. 5 Head Maintenance Kit option for CP20P/P2 Head Maintenance Kit for CPx 0		0
4.23 4.24 4.25 2.26 4.27	3112643 3109541 3172724 3109694	Head Maintenance Kit option for CP20P/P2 Head Maintenance Kit for CPx $$ 0		0
4.24 4.25 2.26 4.27	3109541 3172724 3109694	Head Maintenance Kit for CPx 0		
4.25 2.26 4.27	3172724 3109694			
2.26 4.27	3109694			
4.27		Head Exchange Kit for CPx 0		
	03079042-04	Service Box 0		
4 28	3168229 NCS			
		NCS option for CP20P-20 0		
		NCS additive KG15 nozzle tip cleaner 0		
		Nozzle Cleaner Vigon SC, 25L/bucket 0		
		pply for mounter 1		
		-A 2D Top Module 2		
		2D RGB Module 2		
	CXP8-630-A			
	CXP8-640-A			
		1 PZT CONTROL BOARD 2		
		1 PZT CONTROL BOARD 2		
		01-A VISION CONTROL PART 2		
		01-A VISION CONTROL PART 2		
		01-A VISION CONTROL PART 2		
		01-A VISION CONTROL PART 2		
		1 COATING GLASS 2		
		-A FIX BLOCK 2		
		7 VISION GUI PC SET 2		
		B HEIGHT JOINT BKT 4		
		0 Library Manager PC 1		
		1 MINATURE LM 10		
		8 3D PROJECTION LED UNIT 2		
		9 PZT MODULE 2		
		8 2D LED BOARD 2		
		IR-RGB ASS'Y 2		
		1 FINE SINE GRATING 2		
		0 FINE SINE GRATING 2		
		1 PZT CONTROL BOARD 2		
		PZT CONTROL BOARD 2		
		01-A CAMERA LINK CABLE 2		
		-01-A CAMERA LINK CABLE 2		

Q-20220216C dated 16th February 2022- DEK Galaxy Solder Paste Printer M9 DEK GALAXY Printer # Machine Base Specification Core Cycle Time 7 seconds Machine Alignment Capability 2 Cpk @ +/- 12.5um, 6 Sigma` Min. Board Size (Print Area) 50mm (X) x 40.5mm (Y) Max. Board Size (Print Area) 510mm (X) x 508mm (Y) Print Speed 2mm to 300mm/sec Substrate Handling Soft rail lift/land Substrate Transport Board clamp regulator Squeegee Pressure Mechanism Software controlled with closed loop feedback Stencil Loading Automatic loading incorporating squeegee dirp Stencil Alignment Motorised via actuators X, Y and Theta Stencil Cleaner Cyclone high speed cleaner, fully programmable with wet/dry/vacuum Wipe with external solvent tank

Item Material Description Order qty. Unit Price per unit Net value On board vacuum unit 35 liters per second airflow Adjustable Stencil Mount # ASM Frame variants-Fully adjustable to accommodate frame sizes in the range of 305mm to 736mm (12" \*\* to 29") by 38mm height Fiducial Recognition Automatic fiducial teach and find incorporating 0.1mm fiducial capture Camera HawkEye® 1700 digital camera, use IEEE 1394 interface. Multi channel LED lighting. FOV 11.3mm x 8.7mm. Inspection window 75mm2 HawkEye® 1700 Functioning Enabled Camera Positioning High accuracy linear motors and encoders with 1 micron resolution Operating System Windows XP Operator Interface Colour TFT touch screen display, keyboard and trackball with DEK Instinctiv (Chinese, English, German and etc language) Connectivity RJ-45LAN (networking) and USB2 interface available # Network files Printer Construction One piece optimized welded frame ISCAN# Machine Control Motion control using CAN BUS network Machine Interface Upline and downline FMI included (SMEMA) Squeegee Clamped double trailing edge squeegee (1 set) Tooling Magnetic tooling pins 19mm diameter x25 4mm diameter x 25 Statistical Process Control On board, reported via operator interface (QC-CALC) Time To Go (TTG) Capability Consumable warnings via level gauges for fabric, solvent, paste Temperature/Humidity Sensor Monitoring of the process environment Tri Colour Beacon Programmable with audible alarm Calibration Tools Calibration board (P/N: 134764) Calibration stencil (P/N: 134765) Alignment board (P/N:137071) Documentation Hard copy manuals comprising: Operator, Installation, Electrical Drawings. On board technical manuals and tutorials supporting operator functions. CD containing manuals and tutorials # International Packing

Options #

Vacuum tooling capability Extra Squeegee blade sets

Item	Material	Description	
	Order qty. Un	t Price per unit	Net value
	Programmable pa Temperature Con	trol Module (TCM)	
	range of 19 #30 Temperature con Additional 24 m Dedicated vacuu	trol: +/- 1°C onths Parts & Labour extended warra m tooling block per one product*3	_
	Foilness Clamp UPS 1KV 50 min Dual Stepper EM Camera X Forcer Assy PCB Nextmo Controller PCB		:s

## S3-CCY-LSC-M9-CCA SPI

Quotation: LT-20220216D dated 26th February 2022-KOH YOUNG Solder Paste Inspection Systems M9 ITEM QTY DESCRIPTION 1 1 KOH YOUNG 3D In-Line Solder Paste Inspection Systems, # # Model KY8030-3L Includes features: Gerber conversion software Software package SPC software Win 10 Professional with GUI, 3 different user levels and password protection Measurement: Insufficient Paste, Excessive Paste, No-Paste, Bridging, Shape Deformity, Paste Displacement, Volume, Height, XY Position, Area. Multi-Vendor Bare Board Teaching Function Optical Measurement Unit: Koh Young propriety light projection unit

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tem	Material Description Order qty. Unit Price per unit	Net value
	8MPix camera, 15Mm pixel resolution, 0.37Mm Z-resolution 50cm B/sec inspection speed Conveyor Type: Extended Dual Lane Max PCB size: 510 x 510mm(Single Lane Mode) Bottom-up clamping Left-to-right, Front-rail fixed SMEMA height 870 # 970mm SPC Analysis: SPC-Plus SW Package Suppliers: 200~240V , 4~5 kgf/cmB Machine Size: 1000 x 1660 x 1560 mm Weight: 750 kg 2 Options exclude in upon machine price 1 IR-RGB Light	Net value
	1 SPC Plus S/W for Remote Computer 1 Foreign Material Inspection 1 Offline program 1 Vacuum Tooling 1 Extend 12 months warranty 1 Scanner for extend # 1# MES	
	3 Parts exclude in upon machine price  1 555016-000040 SERVO DRIVER 1 555016-000042 SERVO DRIVER 1 555016-000043 SERVO DRIVER 1 552612-000084 SMPS 12V 1 552612-000083 SMPS 5V 1 552612-000094 SMPS 18V 1 551614-000005 INTERLOCK S/W 1 551690-000002 INTERLOCK S/W KEY 1 555017-000019 STEP MOTER DRIVER 1 551919-000017 MC 1 KYMS-120010-A AMP FIX BKT	

## S3-CCY-LSC-M9-CCA AOI

Quotation: LT-20220216F dated 16th February 2022-KOH YOUNG 3D AOI

113

Quantity: 1 Set

ITEM QTY DESCRIPTION

1 1 KOH YOUNG 3D AOI System, Model Zenith

Includes:

Program Generation Software:

Converting from PCB Gerber, CAD, Pick&Place (component position)

file

Standard DELL PC

Windows 7 64bit Ultimate Operating System

Inspection Software with GUI

Measurement: Missing, Offset, Billboarding, Tombstone,

Item	Material Order qty. Unit	Description Price per unit	Net value
	Bridging, Polarity, Optical Measuremen Koh Young propriet	nt Unit: cary 2D & 3D light projection unit n²/sec inspection speed (at 15#m pixel pability SW Package	
	4 1 Repair Station 3D Analysis and Da 5 1 HDD extra dish 6 1 Offline Progra SQL license, Gerbe SW and licenses 7 4 Vacuum Tooling 8 1 In-line Barcoo	nal warranty (Part & Labour) n Software atabase license c amming Station er translation SW and dongle, Image pro de reader L 2D bar code readers 12M camera Kit D LED MODULE	cessing

## S3-CCY-LSC-M9-CCA Reflow Oven

a) Heller 1913MK5 nitrogen machine (Reflow Oven for LSC) \_ S3-CCY-LSC-M9-Reflow Oven

Quantity: 1 Set

Working direction: Left to Right

Quotation No: AT&S-1913MK5-LSC-20220216 dated 26th Jan, 2022 2022

Quote

Date: Jan. 26th, 2022

```
guoce varia uncii mar. sutn, 2022
Item 1: Model 1913MK5 nitrogen machine
100% Forced Convection Reflow Oven with the following features
and benefits:
140" Heated Tunnel Length
26 Independent Temperature Controlled Heating Zones (13 Top and 13
Bottom Zones)
3 Top Cooling Zones
Nitrogen Inert Operation
Nitrogen On/Off Switch-Manual Control
One Source and one Sample Ports
Waterless Cooling and Flux Separation-Generation 5.1
Complete computer Controlling System including:
LCD Color Monitor
Complete Software Package including
Password Protection
SPC data and alarm logging with timed download or printout
capability
5 Thermocouple 'Real Time' profiling;
PID temperature control to ensure zone temperature stability to
+/-1 #
Signal Light Tower to indicate system status
Power Controlled clamshell hood lift
380Vac +- 10%, 50-60HZ, 3 phases
Left to Right Conveyor Travel
Floor Space requirements: 232"Lx60"Wx63"H
Enhanced Frame Design
Breaker Over-current Protection
SMEMA-19
BBU-19/Battery Back-up
Nitrogen Hood Interlock
Factory training and installation
1 Year Warranty on Machine (Starting from oven shipping)
3 Year Warranty on Heaters and Blowers (From 2nd Year, spare parts
are Ex-work term)
Item 2: Options included
1. IFSC-H-Inverter Fan Speed Control of Heated Zones
2. IFSC-C-Inverter Fan Speed Control of Cool Zone(s)
3. Nitrogen On/Off Switch-Computer Control
4. 30" wide heater modules
```

Item	Material Description Order qty. Unit	Price per unit	Net value
	5. 350mm side chain intel des	sign	- 1.0 m 1
	6. Sursulf Wear Rods to reduce	e FM	
	7. Mesh belt to the edge of m	nachine	
	8. Mesh belt rise about 25mm		
	9. Build in Oxygen Monitoring	system(w/o display)	
	10. Nicrogen Open Loop Contro		
	11. 3 Sample ports and 1 sour	ce	
	12. The latest version of low	nitrogen consumption tu	nnel
	13. Dual Nicrodell illet lines		
	14. Multi groups nitrogen pur	ge ports by manual contr	ol
	15. Addible Alaim		17.7
	16. Battery backup with hoodl	ift	
	17. Heavy duty export packing		
	18. Water Cooling with Cool p	ipe & Top Blow Through (C	hill water
	Dupperted by Ridd)		
	19. Standard GEM/SECS softwar	e & Hardware	
	20. AT&S specified Barcode Sc	anner (Cognex dataman 100	x)
	21. Barcode software to load setting	recipe, record recipe an	d other
	22. 12' extension of machine	body at both entrance &	exit
	23. 12' extension of side cha 24. Lane Guide at both entran	in at both entrance & ex	it;
	25 Extended 1 year warments	ce & exit	
	25. Extended 1 year warranty products)	service (including 3rd p	arty
	26. KIC RPI Real Time tempera		
	27. KIC Profiler-Y5 12ch Data	lure monitor system	
	27. KIC Profiler-X5 12ch Data 28. KIC X5 Thermal shield wit	logger/RF Kit (EXP-071240	-000)
	29. Nitrogen closed loop cont	n new clean room type	
	30. Nitrogen processing capab	ility to same above and	
	reflow and <10PPM above source	e in other area (use limit	rce in
	source)	- In Other area (use riqu.	id nitrogen
	31. Single LANE SMEMA		
	32. New cooling grill for top	cooling zones	
	33. New heating grill design	for heating zones	
	34. Low nitrogen pressure alar	cm:	
	35. Clean room class 100k		
	36. Transparent Door for Nitro	ogen Flow Meter	
	3/. Entrance & Exit Cover		
	38. Install Microsoft Excel so	oftware	
	39. Replace standard grill wit	th special designed grill	1
	40 Use SS 316 for the PCW conn	nector of filter cun pou	W cooling
	condensator and water distribu	tion pipe pagoda joint	
	41. BBU Dypass		
	42. Backup disk		

Item	Material Description Order qty. Unit	Price per unit	Net value
	43. Flux collect can at t	he exhaust outlet	
	44. Air bleed Control for	high PPM function	
	45. Nitrogen Curtain		
	46. Special software modi recipe	fication for Q2 alarm val	lue based on
	47. Heater Blower of MK5(		
	48. Jenair Exhaust Blower	of MKE (2 pgg)	
	49. MK5 upgrading	A CONTRACTOR OF THE PROPERTY O	
	50. Special flow control	& adjustment diffuser	
	or. Additional 4 sets of a	mini cool coil for some	separation
	32. Recificulated cooling	water unit to use for con	ol pipe
	JJ. Replace Hula Skill Wi	In new bracket design	L
	o4. User new SS house for	water return	
	55. Use easy removable los	ad cover for entrance & e	exit
	56. Add bypass open loop proportional valve	plumbing which parallel w	ith
	57. Add regulator for both	N2 and CDA gunnler	
	56: Safety protection cove	er for entrance & evit	
	57. Water leakage detection	on	
	Item 3: Options Non-includ	led	
	1. Safety protection cover	for entrance & exit	
	2. Water leakage detection	1	
	3. Fan Sensor with RPM dis	play	
	4. Exhaust monitor	h., 99 l	
	5. Replace all water hose		
	New Option added on 4th Ju	ine 2021	
	1. Add Damper for Exhaust		
	2. New Option 2: Replace I	OC motor by AC motor	
	Item 4: Spare Parts		
	1. 592410 Heat Grill Ass	У	
	2. 4126456 CL LOIL		
	3. 4156892 PUMP ASY		
	Additional		
	1. Spare parts (detail refe	rs to Appendix A)	
	2. Service hours	To to appearant hy	

b	)	L	i	S	t

Quotation No.: Q031522-03 dated 15th March 2022 QTY PART NUMBER DESCRIPTION

		Page 6
Item	Material Description	
	Order qty. Unit Price per unit	Net value
	30 EA 8170C QUICK DISCNCT M,3/8NPT,PARKER 30 EA 8171C QUICK DISCNCT F,3/8NPT,PARKER 5 EA 593555 High Temp Oil 1 EA 4491C MTR CNTRL-240V/0-90V .250HM 5 EA 4126456 CL COIL AS,HARD TUBE,PABCO,MK5	

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HELLER SHANGHAI Document Title: SPARK PARTS KIT
    NO PART NO Description Unit Qty Unit Price
                              Total Price
     (USD) LEAD TIME
     (weeks)
   1 1314C MASTER LINK 3/8P EA 1 $21.22 $21.22 2
2 57017605 TYPE K T/C ASSY 1700D EA 1 $255.82 $255.82 1
3 593555 EH CHAIN LUBE KIT EA 1 $129.11 $129.11 1
   4 57174201 THERMOCOUPLE ASSY EA 1 $63.74 $63.74 1
 4 57174201 THERMOCOUPLE ASSY EA 1 $63.74 $63.74 1
5 8865C DUAL POWER SSR EA 1 $164.78 $164.78 2
6 8866C DUAL POWER SSR 4P SPR. CONNECT EA 1 $13.86 $13.86 2
7 8867C DUAL POWER SSR THERMAL PAD EA 1 $3.08 $3.08 2
8 4491C MTR CNTRL-240V/0-90V .250HM EA 1 $761.13 $761.13 4
9 59313801 EMERSON MOTOR ASSY,7"IM,N2 EA 1 $1,135.81 $1,135.8
10 592048 GASKET, MOTOR MNT, 7"BW IMP EA 1 $32.62 $32.62 2
11 7179C SPG DC MOTOR BRUSH EA 2 $114.47 $228.94 3
12 4101829 4.4KW SEMI-C HEATER ELEMT, CS EA 1 $475.86 $475.86 4
13 7834 GREASE LUBRIPLATE#107,160Z. EA 1 $105.01 $6
14 9449 O2 ANALYAER FILTER ELEMENT EA 1 $123.20 $123.20 4
15 6185 H2O FILT ELEMNT MSC#0940812 EA 2 $47.76 $95.51 2
16 5775C 2" GASKET #5314-0250-02000-11 MT 10.5 $58.37 $612.84 2
                                                                                                                                                EA 1 $1,135.81 $1,135.81 3
  16 5775C 2" GASKET #5314-0250-02000-11 MT 10.5 $58.37 $612.84 2 17 8237C 3/8" THICK X 20MM FLAT GASKET MT 10.5 $42.35 $444.68 2
                                                                                                                                       MT 10.5 $42.35 $444.68 2
MT 12 $58.37 $700.39 3
 18 5749C GASKET P-EXTRUSION (806166) MT 12 $58...
19 8158C CONVEYOR MOTOR EA 1 $1,318.63 $1,318.63 3
20 4885C RELAY 240VAC EA 1 $68.98 $68.98 2
21 4886C RELAY 24VDC EA 1 $61.89 $61.89 2
22 5786C LINAK CONTROL BOX EA 1 $861.69 $861.69 2
23 7547C INVERTER EA 1 $1,383.57 $1,383.57 3
  24 5258C CIRCUIT BKR 2-POLE 3 AMP
25 4908C CIRCUIT BREAKER 2 POLE 6A
26 4909C CIRCUIT BREAKERT 2 POLE 10A
                                                                                                                                         EA 1 $270.58 $270.58 2
                                                                                                                                         EA 1 $134.40 $134.40 2
                                                                                                                                         EA 1 $134.40 $134.40 2
  27 4984C CIRCUIT BREAKER 2POLE 32 AMP 28 4911C CIRCUIT BREAKER 2 POLE 16 A
                                                                                                                                        EA 1 $141.48 $141.48
                                                                                                                                        EA 1 $157.39 $157.39 2
 29 5738CL PROPORTIONAL VALVE EA 1 $3,829.98 $3,829.98 3
30 5612CL POWER SUPPLY 24VDC, 4.5A EA 1 $489.86 $4
31 460660 POWER SUPPLY 100W DIN RAIL EA 1 $535.64 $
32 7127C TEMPERATURE CONTROLLER EA 1 $973.51 $973.51 4
                                                                                                                                          EA 1 $489.86 $489.86 3
                                                                                                                                                                                           $535.64 4
 33 449710 610MM TRI-CHAIN BELT FT 44.6 $764.37 $34,090.72 6
34 594778 SNIFFER TUBE ASSY, LOW COST EA 1 $129.36 $129.36 3
35 59476802 .11HP,NIDEC,MK3.6 N2,W/FSL,SVC EA 1 $1,064.14 $1,064.14 3
35 59476802 .11HP,NIDEC,MK3.6 N2,W/FSL,SVC EA 1 $1,064.14 $1,064.36 590440 Sniffer Tube assy EA 1 $1,230.85 $1,230.85 3 37 7822C WATER LINE INSULATION,7/8" MT 2 $40.22 $80.45 1 38 8170C QUICK DISCNCT M,3/8NPT,PARKER EA 1 $46.46 $46.46 4 39 8171C QUICK DISCNCT F,3/8NPT,PARKER EA 1 $102.55 $102.55 4 40 8140C FLEXIBLE ALUMINIUM DUCT 4'' ID EA 1 $138.91 $138.91 2 41 490833 4.4KW HTR ELEMT, W/O WIRE, CS PAIR 1 $474.32 $474.32 4 40 8140C SOLENOID VALVE, COOL WATER EA 1 $534.07 $534.07 6 43 6722C ADAPTER, 1/4 OD X 1/4 NPTF 510 EA 1 $20.61 $20.61 5 44 460465 MANIFOLD,4 POS, 1/2"IN-1/4"OUT EA 1 $425.04 $425.04 3 45 475326 MANIFOLD,4 POS, 1/2"IN-1/4"OUT EA 1 $420.42 $420.42 3 46 5064C BLACK RTV EA 1 $187.14 $187.14 2 47 2407240 TUBE AXIAL FAN EA 1 $130.48 $130.48 1
 47 2407240 TUBE AXIAL FAN EA 1 $130.48 $130.48 1
48 475140 ROLLER ASSY,24" TCMB,30" BASE EA 1 $830.06 $830.06 4
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49 485193 ROLLER AS,30",SIDE CH MB,350MM EA 1 $663.74 $663.74 4
50 460585 ROLLER ASSEMBLY, 24'' TRI-CHAIN MB, 26'' BASE EA 1 $897.82
$897.82 4
51 460310 SNIFFER TUBE ASSY,30"MOD,26"FR EA 1 $1,233.08 $1,233.08 2
52 7621C SOLENOID VALVE 1/8" BSPT EA 1 $534.07 $534.07 5
53 595056 BEADED FITTING, 1/2ID X 3/8NPT EA 1 $27.64 $27.64 3
54 594705 NIDEC MTR ASY, 5" NO SPCR, SVC EA 1 $756.25 $756.25 2
55 8172 REGN TURBINE PUMP ASSY EA 1 $2,286.36 $2,286.36 6
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