

Luhr-Jensen Ring Weld Machine Parts List

Item	Qty	Description	Manufacturer	Part #	Vendor code
		Mechanical System	EPS		D
	1	Frame	EPS / IMS		D
	1	Lift Mechanism	Suspa	MQS-00004	D
	1	Re-fill Kit	Suspa	D99-00005	D
	4	Mounting Glides	Suspa		D
		Index Table Ass'y	EPS		D
	1	Spacer Plate	EPS		D
	1	Index Drive	Weiss - Precision Detroit Co., Inc	TC 150 T-4	D
	1	Control Card	Weiss - Precision Detroit Co., Inc	TS002E	D
	1	Main Index Table Plate	EPS		D
		Clamp Ass'y	EPS		D
	4	Clamp Base	EPS		D
	4	Pivot Arm	EPS		D
	4	Retaining Pin Attachment	EPS		D
		Clamp Tooling	EPS		D
	4	Stationary Clamp	EPS		D
	4	Pivot Arm Clamp	EPS		D
		Pendulum Sensor Ass'y	EPS		D
	4	Pendulum Arm	EPS		D
	4	Shoulder Screw	EPS		D
	4	Pendulum Bracket	EPS		D
	4	Sensor	Omron	EE-SX671	D
	4	Sensor Bracket	EPS		D
	4	Cylinder	Compact Air	R 138 X 18 EX1 TM	D
	8	Bushing	All-American	H-28	D
	4	Pin	EPS		D
	8	C-clips	McMaster Carr	98407A120	D
	4	Solenoid Valve	Numatics	030SA4412	D
	2	Terminal Strip	McMaster Carr	7525K53	D
	2	Cover	McMaster Carr	7527K888	D
	2	Sensor	Omron	EE-SX671	D
	3	Binary Bracket			D
		C-stop Ass'y	EPS		D
	1	Base	EPS		D
	1	C-stop	EPS		D
	1	Cylinder	Compact Air	S 34 X 2 RE SRCE	D
	1	Sensor	Newark	ITW 11-204, 23 F-162	D
		Slip Ring Ass'y	EPS		D
	1	Slip Ring	Airflyte Electric	CAY-1460-12	D

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	1	Slip Ring Bracket	EPS		D
	1	Rotary Union	Deublin	1102-070-082	D
	1	Rotary Union Bracket	EPS		D
		Weld Slide Ass'y	EPS		D
	1	Support Plate	EPS		D
	1	Slide	NSK	L1W170311	D
	2	Slide Bearings	NSK	LAW17EL	D
	1	Slide Plate	EPS		D
	1	Torch Bracket	EPS		D
	1	End Stop	EPS		D
	1	Stop Plate	EPS		D
	1	Sensor	Newark	NAIS AZ47019	D
	1	Cylinder	Schrader Bellows	3/4" UTT X 5"	D
	1	Rod Eye	Schrader Bellows	179270000	D
	1	Bumper Stop	EPS		D
	1	Rubber Stop	?		D
		Side Clamp Ass'y	EPS		D
	1	Support Plate	EPS		D
	1	Slide	NSK	L1W170311	D
	2	Slide Bearings	NSK	LAW17EL	D
	1	Slide Plate	EPS		D
	1	Side Clamp Tooling	EPS		D
	1	End Stop	EPS		D
	1	Stop Plate	EPS		D
	1	Sensor	Newark	NAIS AZ47019	D
	1	Cylinder	Schrader Bellows	3/4" UTT X 5"	D
	1	Rod Eye	Schrader Bellows	179270000	D
		Bias Clamp Ass'y	EPS		D
	1	Support Plate	EPS		D
	1	Slide	NSK	L1W170311	D
	2	Slide Bearings	NSK	LAW17EL	D
	1	Slide Plate	EPS		D
	1	Bias Clamp Tooling	EPS		D
	1	End Stop	EPS		D
	1	Stop Plate	EPS		D
	1	Sensor	Newark	NAIS AZ47019	D
	1	Cylinder	Schrader Bellows	3/4" UTT X 5"	D
	1	Rod Eye	Schrader Bellows	179270000	D
	1	Weld Shield	McMaster Carr	54895T77 Gold	D

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	1	Attachment Flashing	EPS		D
	50	Nylon Loop Straps	McMaster Carr	8876T12 Black	D
	1	Touch Screen Enclosure	EPS / IMS		D
		Pneumatic System	EPS		D
	1	Filter/Regulator/Lubricator w/quick disconnect	Parker	O5E12A18AA	D
	1	Bracket	Parker	P5963P	D
	16	Flow Control Valves	Air Component Specialties	FCM 701-4-2	D
	32	Fittings	Air Component Specialties	W369ML-4-2	D
	24	Fittings	Air Component Specialties	369ML-4-0	D
	20	Fittings	Air Component Specialties	W68ML-4-2	D
	10	Fittings	Air Component Specialties	68ML-4-0	D
	2	Fittings	Air Component Specialties	W369ML-4-4	D
	100'	Hose	Air Component Specialties	4-3-01D0	D
	12	Elbows	Air Component Specialties	365ML-4	D
	10	Multi-tube Holders	Air Component Specialties	TM-06	D
					D
					D
					D
		Electrical System	Concept Systems		D
	1	Light Curtain	Platt - Sick	FGS 300-111	D
	1	Cabling	Platt - Sick	A17SFF804	D
	1	Cabling	Platt - Sick	D5SYF804	D
					D
	1	ENCLOSURE	HOFFMAN	A-243008LP	D
	1	BACKPANEL	HOFFMAN	A-30P24	D
					D
	1	DOOR DISCONNECT BASE	A/B	194E-A25-1753	D
	1	DISCONNECT HANDLE	A/B	194L-HE6N-175	D
	1	CONTACTOR	A/B	100-MO5NZ2431	D
	1	ADDED AUX BLOCK	A/B	195-MB11	D
					D
	1	MIRCOLOGIC 1500	A/B	1764-LSP	D
	1	BASE UNIT (12IN - 12 OUT)	A/B	1764-24BWA	D
	1	2 CH ANALOG OUT	A/B	1769-OF2	D
	1	16 POINT INPUT MODULE	A/B	1769-IQ16	D
	1	RIGHT END CAP	A/B	1769-RCL	D
	1	5M RS232 CABLE, PV TO MICROLOGIX	A/B	2711-NC21	D
	1	3M RS232 CABLE, PV TO PROGRAMMING	A/B	2706-NC13	D
	1	PANELVIEW 550 W/ RS232, TOUCHSCREEN/Pushbutton Combo	A/B	2711-B5A5	D

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	1	PANELBUILDER 32 SOFTWARE	A/B	2711ND3	D
	1	MICROLOGIX PROGRAMMING CABLE, Micrologic to PC	A/B	1761-CBL-PM02	D
					D
	2	2 POS PUSH/PULL LIGHTED	A/B	800T-FXQ10RA7	D
	1	LIGHTED PUSH BUTTON	A/B	800T-QB24G	D
	3	PUSHBUTTON BLANK TAGS W /INGRAVING	A/B	800T-X700	D
					D
	1	E-STOP CONTROL RELAY 4 POLE	A/B	700-M400A1S	D
	2	RELAY DPDT (For Footswitch Interface)	A/B	700-HK32A1/700-HN12	D
					D
	4	FUSE BLOCK W/ END BARRIER	A/B	1492-H5/1492-N37	D
	12	FUSED TERMINAL BLOCKS	A/B	1492-WFB4250	D
	2	1A FUSE 1/4 X 1 1/2	BUSSMANN	GMA-1	D
	2	2A FUSE 1/4 X 1 1/2	BUSSMANN	GMA-2	D
	12	1A FUSE 5 X 20MM	BUSSMANN	AGC-1	D
					D
	1	1A CIRCUIT BREAKER	A/B	1492-CB1G010	D
	1	3A CIRCUIT BREAKER	A/B	1492-CB1G030	D
	1	15A CIRCUIT BREAKER	A/B	1492-CB1G150	D
	1	20A CIRCUIT BREAKER	A/B	1492-CB1G200	D
	74	TERMINALS AND MISC MOUNTING	A/B	1492-W4/EA35/EB3	D
	1	RAISED DIN RAIL	A/B	1492-DR6	D
	1	DIN RAIL	A/B	1492-DR5	D
					D
	1	4.2A POWER SUPPLY	ENTRELEC	242341610	D
					D
	2	CLIPPER FOOTSWITCH	LINE MASTER	LIN632S	D
	40	CABLE			D
					D
	4	AIR SOLENOID VALVE AC	NUMATICS	030SA4412-000030	D
	8	ELECTRICAL CONNECTOR (Qty 4 to match Solenoids what EPS Supplied)	NUMATICS	230-363	D
					D
	1	12/8 CANNON PLUG 192922-1260 (For connection to Welder)	CANNON	93F8976	D
	1	12/8 RECEPTACLE 192990-1670 (For connection to welder)	CANNON	93F9012	D
	1	PINS 100 PACK 192990-1240	93F9072	93F9072	D
	1	PINS 100 PACK 192990-1250	93F9073	93F9073	D
					D
	6	WIRE DUCT/COVER 2X4	PANDUIT	G2X4WH6/C2WH6	D
	4	WIRE DUCT/COVER 1X4	PANDUIT	G1X4WH6/C1WH6	D

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Item	Qty	Description	Manufacturer	Part #	Vendor code
					D
	A/R	ENCLOSURE KNOCK-OUTS, CORD GRIPS, CONDUIT CONNECTORS			D
	A/R	PANDUIT TIE DOWNS FOR WIRE			D
	A/R	SPIRAL WRAP FOR WIRE RUNS ON THE MACHINE			D
	2	12CKT TERMINAL STRIP (Mounted on Machine)	IDE	89-212	D
	A/R	TERMINAL WIRE TAGS			D
	A/R	TERMINAL TAGS			D
	500	WIRE			D
	10	CABLE			D
	1000	FIELD WIRE			D
					D
		Weld System	Vancouver Welding		D
	1	Ultima 150	Thermal Arc - Vancouver Weldin	THR 1 1551 23	D
	1	Torch	Thermal Arc - Vancouver Weldin	THR 9 2722	D
	1		Thermal Arc - Vancouver Weldin	THR 9 3053	D
		Other			
	Chair		Steelcase		F

Estimated costs (purchased items only):

Ergonomic chair	\$625
Misc. electrical components (disconnect, conduit, etc.)	\$645
Base machine (design & build)	\$81,280
Total:	\$82,550