

**** TO ORDER PARTS CONTACT SYSTEMS TEAM**

Team	System	Component	Subsystem	Quantity	Units	STATUS	APPROVAL	System level?	Owner (who is responsible for this part)	Supplier	Specs Brand	Model Number	Cost	Leadtime	Make/Buy	Expedite Cost and Lead time	Purpose is to increase commonality to reduce cost
	Professional Services	Professional services for high voltage electric						no									
	System	Build Assist	Metal Transfer carts	3											Outsource mfg		
			Main roller cylinder	2	ea.	Specification Process		yes							Outsource mfg		
			Roller-end caps	4											Outsource mfg		
			Adapter Plate Inboard	2		Specification Process		yes		Klein Steel					Outsource mfg		
			Adapter Plate Outboard	2		Specification Process		yes		Klein Steel					Outsource mfg		
			Threaded cap	2		Specification Process		yes							buy		
			Pins (cylinder & end cap)	167				yes		McMaster Carr					buy		
			Pins (end cap & adapter)	167				yes		McMaster Carr					buy		
			Insert (to hold cap side moveable parts to frame)	2		Specification Process		yes		Klein Steel					Outsource mfg		
			Insert Plate Bolts	8		Vendor Selection Process		yes		McMaster Carr					buy		
			Roller Bearings	4	ea.	Ready to Order		yes		SKF					buy		
			Threaded Tension Rod	2	ea.	Vendor Selection Process		yes		McMaster Carr					Outsource mfg		
			Shaft Motor Coupling	2	ea.	Specification Process		yes		McMaster Carr					buy		
			Plexiglass Panels	6	ea.	Specification Process		no		Flower City Glass					buy		
			Hinges	8	ea.	Specification Process		no		McMaster Carr					buy		
			Handles	4	ea.	Specification Process		no		McMaster Carr					buy		
			Frame brackets	8	ea.	Specification Process		yes		McMaster Carr					buy		
			Frame Alignment Pins	4	ea.	Place Holder		yes		McMaster Carr							
			Base/Para (Steel Stock)	1		Specification Process		yes		Klein Steel					Outsource mfg		
			Side Panel - Outboard (Steel Stock)	1		Specification Process		yes		Klein Steel					Outsource mfg		
			Side Panel - Inboard (Steel Stock)	1		Specification Process		yes		Klein Steel					Outsource mfg		
			Cross Bar	2	ea.	Specification Process		yes		Klein Steel							
			Square tubing	30	ft.	Place Holder		yes							buy		
			Metal Sheeting			Place Holder		yes							buy		
			Damping Material under Motors			Place Holder											
			Bolts for frame			Place Holder		yes		McMaster Carr					buy		
			Bolts for motor			Place Holder		yes		McMaster Carr					buy		
			Type K Thermocouple Sensors	6	ea.	Place Holder		No		Rockwell					buy		
			Encoders (come on motors)	2	ea.	Specification Process		No		Rockwell					buy		
			Mechanical Safety Interlocks	10	ea.	Place Holder		Yes		Rockwell					buy		
			16 awg wire (1 conductor)	500	ft.	Place Holder		Yes		Rockwell					buy		
			18 awg wire (3 conductor)	100	ft.	Place Holder		Yes		Rockwell					buy		
			12 awg wire (1 conductor)	500	ft.	Place Holder		Yes		Rockwell					buy		
			Standard Terminals	50	ea.	Place Holder		Yes		Rockwell					buy		
			Wire Crimps/Connectors	50	ea.	Place Holder		Yes		Rockwell					buy		
			GuideRoller Motor (1)	2	ea.	Specification Process		Yes		Rockwell					buy		
			Motor Driver	2	ea.	Specification Process		No		Rockwell					buy		
			Main PLC Module	1	ea.	Specification Process		Yes		Rockwell					buy		
			Digital Output Module	2	ea.	Place Holder		Yes		Rockwell					buy		
			Thermocouple Module	1	ea.	Place Holder		No		Rockwell					buy		
			Digital Input Module	2	ea.	Place Holder		Yes		Rockwell					buy		
			Analog Input Module	1	ea.	Place Holder		Yes		Rockwell					buy		
			Analog Output Module	1	ea.	Place Holder		Yes		Rockwell					buy		
			Power Supply Module	1	ea.	Place Holder		Yes		Rockwell					buy		
			Digital Modules Connector	4	ea.	Place Holder		Yes		Rockwell					buy		
			Analog Modules Connector	2	ea.	Place Holder		Yes		Rockwell					buy		
			Enclosure Design	1	ea.	Specification Process		Yes		Rockwell					buy		
			Backplate	1	ea.	Place Holder		Yes		Rockwell					buy		
			Din Rail	8	ft.	Place Holder		Yes		Rockwell					buy		
			Wire Duct	16	ft.	Place Holder		Yes		Rockwell					buy		
			24 V Power Supply	1	ea.	Specification Process		Yes		Rockwell					buy		
			Circuit Breakers	6	ea.	Specification Process		Yes		Rockwell					buy		
			Disconnect Breaker	1	ea.	Specification Process		Yes		Rockwell					buy		
			Fuses	20	ea.	Specification Process		Yes		Rockwell					buy		
			Disconnect Switch Package	1	ea.	Place Holder		Yes		Rockwell					buy		
			24 VDC Indicator Lights	5	ea.	Place Holder		Yes		Rockwell					buy		
			Emergency Switch	3	ea.	Place Holder		Yes		Rockwell					buy		
			Pushbuttons/Selector Switches	5	ea.	Place Holder		Yes		Rockwell					buy		
			HMI	1	ea.	Place Holder		Yes		Rockwell					buy		
			Motor	1		Vendor Selection Process				Rockwell					buy		
			Spin Supply Spool	1		Specification Process									buy		
			Spin Takeup Spool	1		Specification Process									buy		
			Motor	2		Place Holder									buy		
			Transversing pulleys	2		Place Holder									buy		
			PLC	1		Vendor Selection Process				Rockwell					buy		
			Transformer	1		Specification Process									buy		
			PanelView Plus	1		Specification Process									buy		
			24V Power Supply	1		Specification Process									buy		
			Software License	1		Specification Process									buy		
			Motor Driver	2		Place Holder									buy		
			Motor Driver for spool	2		Vendor Selection Process				Rockwell					buy		
			Wire	-		Place Holder									buy		
			Wire	-		Place Holder									buy		
			Cabinet	1		Place Holder									buy		

