



American Hakko Products, Inc.

Automated Robotic Soldering Solutions Budgetary Worksheet

End-User Contact:

Company Name _____

Date _____

Contact Person _____

Regional _____

Contact E-mail _____

Manager _____

Phone Number _____

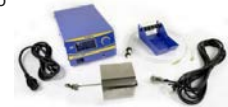
Sales Rep _____

Facility Address
(where equipment
will be installed) _____

Distributor _____

Choose at least one required item from each section.

FU-500 The FU-500 Intelligent Solder Feeder lends a helping hand to automatically feed the solder wire to a specific position and allows for easy adjustment of the solder feed position, which is critical for automated systems. The Intelligent Solder Feed Unit also features a compact driver unit that allows the feed to be brought closer to the iron, increasing the accuracy of the amount of solder fed.



	<u>AHP PART #</u>	<u>Description</u>	<u>MSRP</u>
Required. FU-500 Intelligent Solder Feed - Choose appropriate type.			
	FU500-71X	Intelligent Solder Feeder - Straight Type	\$ 2,187.47
	FU500-21X	Intelligent Solder Feeder - L-Type	\$ 2,187.47
Required. Feeder Drive - Pulls the solder to the iron tip.			
	BX1000	0.3 mm	\$ 452.47
	BX1001	0.5 mm	\$ 452.47
	BX1002	0.6 mm	\$ 452.47
	BX1003	0.8 mm	\$ 452.47
	BX1004	1.0 mm	\$ 452.47
	BX1005	1.2 mm	\$ 452.47
	BX1006	1.6 mm	\$ 452.47
Required. Guide Pipe Assembly - Easily adjust the position of the solder in relation to the iron tip.			
	BX1007	0.3 mm	\$ 105.57
	BX1008	0.5 mm, 0.6 mm, 0.8 mm, 1.0 mm	\$ 95.37
	BX1009	1.2 mm, 1.6 mm	\$ 85.27
Required. PTFE Tube Insert - Teflon insert to guide the solder through the tube.			
	BX1010	0.3 mm Teflon Insert - package of 10	\$ 29.07
	BX1011	0.5 mm, 0.6 mm Teflon Insert - package of 10	\$ 29.07
	BX1012	0.8 mm Teflon Insert - package of 10	\$ 29.07
	BX1013	1.0 mm Teflon Insert - package of 10	\$ 29.07
	BX1014	1.2 mm Teflon Insert - package of 10	\$ 29.07
	BX1015	1.6 mm Teflon Insert - package of 10	\$ 29.07

FU-601 The Hakko FU-601 Robotic Integration Soldering Module is designed to communicate with the Soldering Modules Hakko FU-500 Intelligent Solder Feeder and integrate with various robotic systems to achieve low-cost soldering automation.



	<u>AHP PART #</u>	<u>Description</u>	<u>MSRP</u>
Required. FU-600 Robotic Integration Soldering Module			
	FU601-60X	Robotic Integration Soldering Module - Straight Iron	\$ 1,596.67
	FU601-40X	Robotic Integration Soldering Module - L-Shaped Iron	\$ 1,596.67

Page 1 Total _____

**This worksheet is intended for budgeting purposes only, this is not a formal price quote.
Prices are subject to change without notice.**



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Automated Robotic Soldering Solutions Budgetary Pricing Worksheet

Tips and Optional Accessories		*Note - Nitrogen (N2) Tips and Nozzles Options are also available, but not shown below.	
	AHP PART #	Description	MSRP
Bevel Tips			
	TX1-XBCR2	2mm/15°x12mm, V-Groove Tip	\$ 59.97
	TX1-XBCR3	3mm/15° x 12mm, V-Groove Tip	\$ 59.97
	TX1-XBCR4	4mm/15° x 12mm, V-Groove Tip	\$ 59.97
	TX2-XBCR3	3mm/15°x17mm, V-Groove Tip	\$ 69.97
	TX2-XBCR4	4mm/15° x 13mm, V-Groove Tip	\$ 69.97
	TX2-XBCR6	6mm/15° x 13mm, V-Groove Tip	\$ 69.97
Chisel, V-Groove Tips			
	TX1-XDR	1 x 12mm, V-Groove Tip	\$ 59.97
	TX1-XDR16	1.6 x 12mm, V-Groove Tip	\$ 59.97
	TX1-XDR24	2.4 x 12mm, V-Groove Tip	\$ 59.97
	TX1-XDR3	3 x 12mm, V-Groove Tip	\$ 59.97
	TX2-XDR3	3 x 17mm, V-Groove Tip	\$ 69.97
	TX2-XDR4	4 x 13mm, V-Groove Tip	\$ 69.97
TX2-XDR6	6 x 13mm, V-Groove Tip	\$ 69.97	
Chisel Tips			
	TX1-XD08	0.8 x 12mm Tip	\$ 59.97
	TX1-XD	1 x 12mm Tip	\$ 59.97
	TX1-XD16	1.6 x 12mm Tip	\$ 59.97
	TX1-XD24	2.4 x 12mm Tip	\$ 59.97
	TX1-XD3	3 x 12mm Tip	\$ 59.97
	TX2-XD3	3 x 17mm Tip	\$ 69.97
TX2-XD4	4 x 13mm Tip	\$ 69.97	
TX2-XD6	6 x 13mm Tip	\$ 69.97	
Slot Tips			
	TX1-XRK	1mm/15° x 2.5 x 12mm Tip	\$ 59.97
	TX2-XRK	2mm/15° x 3.6 x 13mm Tip	\$ 69.97
Optional Items			
Tip Cleaner	CX1003	Robotic Tip Cleaner	\$ 463.87
Temperature Probe	CX1002	Use in conjunction with FG-100 Tip Thermometer or FG101 Tip Tester	\$ 198.87
		FG100 Tip Thermometer (Celsius or Fahrenheit available)	\$ 230.07
		FG101 Tip Tester (Celsius or Fahrenheit available)	\$ 1,188.87
Slide Units	CX1000	Point Soldering Slide Unit	\$ 818.27
	CX1001	Drag Soldering Slide Unit	\$ 718.57

Robotic System Connection, Programming and Training		
TBD depending on chosen robotic system.		
Robotic System Connection / End Effector	The connection plate to mount soldering iron to chosen robotic system.	TBD
Initial Set Up, Programming & Training	Engineering time to develop initial Customer Program. Billed at \$60/hour - Minimum of 4 hours.	TBD

Page 2 Total _____

Page 1 Total _____

Budgetary Total _____

This worksheet is intended for budgeting purposes only. Purchase Orders will not be processed until AHP's Process Automation Survey is received and reviewed by AHP's Engineering Department.

To receive a formal quote, please complete [Process Automation Survey here.](#)