

B001766 Lapping Polishing Machine

		B001766	Engis Corporation	Lapmaster International LLC	Logitech Ltd	
			Product literature in bid file	Product literature in bid file	Product literature in bid file	
item	ea					
1	1	Lapping & Polishing Machine	\$11,140.00	\$9,535.00	\$47,653.00	
		<ul style="list-style-type: none"> Hand weight system w/variable speed Less cast iron rings Electronic touch digital readout control center Electronic variable speed drive w/finite adjustments for the 0-120 RPM range, using 50 factory preset speeds 3 ring arms – roller yoke type ½ H.P. soft start fan cooled drive Antifriction gear drive Independent tapered bearing spindle Funnel system for spent abrasives Parts table 3 – 9 lb hand weights Flatness gauge for plate 115 volt 	Part #15SLM115V-07	not available speed range: 0-60 RPM preset speeds not available 3/4 H.P. 1 friction drive yoke assembly not available 8 lb weights	Part #1PM52-1 additional machine items: Part #1CYL1 \$4195.00 Part #1SFU6 \$1832.00	
2	1	Wafer Thinning Fixture	\$7,600.00	\$9,625.00	\$23,438.00	
		<ul style="list-style-type: none"> For 4" wafers With vacuum 	Part #WTF-100V	model 15 Accupol vacuum ready	Part #1PP61 additional sample holder item: Part #1ACCS-0100 \$1,262.00	
3	1	Power Assist Arm Assembly	\$2,200.00	\$0.00	n/a	
			Part #SA0175	included in item 1		
4	1	Tin Lap Plate	\$875.00	\$1,626.00	\$3,033.00	
		<ul style="list-style-type: none"> 15" 	Part #703.4774		Part #1PLC1-0400	
5	1	Copper Lap Plate	\$737.00	\$1,421.00	\$2,449.00	
		<ul style="list-style-type: none"> 15" 	Part #702.1320			
6	1	Dual Electronic Spray Dispenser	\$970.00	\$0.00	n/a	
		<ul style="list-style-type: none"> Digital controls Two 10" spray head nozzles 	Part #EMC-2	included in item 1		
7	1	Autostirrer Plastic 115VAC	\$275.50	\$0.00	n/a	
			Part #ASP115	included in item 1		
8	1	Plated Conditioning Ring	\$393.50	\$525.00	n/a	
		<ul style="list-style-type: none"> 60/80 grit 7" diameter 	Part #PCR102-2			
9	1	Ceramic Conditioning Ring	\$365.00	\$514.00	n/a	
		<ul style="list-style-type: none"> 15" 7" x 5.50" x 3 ½" center recess Stainless steel backed 	Part #LM0285	not 15" diameter / is 15" plate rings don't have center recess		
10	1	Lubricant	\$7.95	\$0.00	n/a	
		<ul style="list-style-type: none"> 1 quart bottle 	Part #510.2028	not required		
11	1	Lubricant	\$6.81	\$0.00	n/a	

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		• 1 quart bottle	Part #510.W.1QT	not required			
12	1	Aluminum Lap Plate	\$725.00	\$882.00	n/a		
		• 15"	Part #LM0344				
13	1	Polishing Pads	\$170.00	\$0.00	n/a		
		• For aluminum plate	Part #590.2167 (pack of 10)	included in item 1			
14	1	Substrate Holder	\$0.00	\$0.00	n/a		
		• 4"	Duplicate of item 2	included in item 2 - chuck face substrates & wafers in item 2			
15	1	Table	\$1,835.00	\$738.00	n/a		
			Part #SA0017	machine cart w/steel casters, drawer w/tool tray, lg compartment & two intermediate shelves			
			Freight	\$350.00		additional gauging accessories: 1ACCS-0005 \$605.00 1ACCS-1350 \$831.00 1SDG2 \$3730.00	
			TOTAL	\$27,650.76	\$24,866.00	\$89,028.00	
		Business Classification	SB				
		FOB					
		Estimated delivery	45 days	6-8 weeks	12 weeks		
		Terms	1/3 payment down, 1/3 before shipping, balance N30	N30	N30		
		Reference number	6000631856	15-0806-55	KWT-1338-01		
		Warranty	1 yr based upon 8 hrs p/day, 5 days p/week usage	6 mths	12 mths		
		Quotation effective until	8/11/08	7/17/08	Aug-08		
		BID AWARDED TO ENGIS CORP. AS THE LOWEST RESPONSIBLE BIDDER MEETING SPECIFICATIONS. LAPMASTER DID NOT MEET ALL OF THE SPECIFICATIONS, NO DIGITAL READOUT CONTROLLER.					