

M/710 ESTIMATE - REV. 6 - CLASS 2 ESTIMATE										
PART DESCRIPTION	Part #	Proposed Process	Capital Dollars	Operations Dollars	Material \$	Labor \$	Fixed Overhead \$	Variable Overhead \$	Total Overhead \$	Estimated Piece Price
Document Envelope Assembly	????	Purchase	N/A	N/A	\$ 1.02	\$ -	\$ -	\$ -	\$ -	\$ 1.02
Document Envelope	1649	Purchase	N/A	N/A	\$ 0.08	\$ -	\$ -	\$ -	\$ -	\$ 0.08
Instruction Book	????	Purchase	N/A	N/A	\$ 0.63	\$ -	\$ -	\$ -	\$ -	\$ 0.63
Product Owners Card	1426	Purchase	N/A	N/A	\$ 0.03	\$ -	\$ -	\$ -	\$ -	\$ 0.03
Remington Authorized Gunsmith	3413	Purchase	N/A	N/A	\$ 0.07	\$ -	\$ -	\$ -	\$ -	\$ 0.07
Safety Booklet	3499	Purchase	N/A	N/A	\$ 0.10	\$ -	\$ -	\$ -	\$ -	\$ 0.10
Remington Museum Flyer	3475	Purchase	N/A	N/A	\$ 0.01	\$ -	\$ -	\$ -	\$ -	\$ 0.01
Oval Label	3491	Purchase	N/A	N/A	\$ 0.01	\$ -	\$ -	\$ -	\$ -	\$ 0.01
Carton Assembly	1444	Purchase	N/A	N/A	\$ 2.05	\$ -	\$ -	\$ -	\$ -	\$ 2.05
Box and Envelope Label (710)	993002	Purchase	N/A	N/A	\$ 0.07	\$ -	\$ -	\$ -	\$ -	\$ 0.07
Barrel Assembly Complete	????	Assemble	\$ 1,200	\$ 750	\$ 36.28	\$ 15.46	\$ 7.96	\$ 37.61	\$ 45.58	\$ 97.32
Barrel Assembly	????	Assemble & Machine	\$ 16,086	\$ 2,000	\$ 18.00	\$ 8.42	\$ 6.01	\$ 22.87	\$ 28.88	\$ 55.30
Barrel	305315	Machine	\$ 473,000	\$ 86,450	\$ 3.35	\$ 6.91	\$ 4.34	\$ 18.51	\$ 22.85	\$ 33.11
Receiver	300340	Purchase	\$ 13,750	\$ 2,200	\$ 14.65	\$ 0.13	\$ 0.05	\$ 0.34	\$ 0.39	\$ 15.17
Receiver Insert Assembly Complete	????	Assemble	\$ 8,000	\$ 600	\$ 3.08	\$ 2.14	\$ 0.49	\$ 3.95	\$ 4.45	\$ 9.67
Receiver Insert Assembly	????	Ultrasonic Weld	\$ 2,000	\$ 500	\$ 0.66	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.66
Receiver Insert	300327	Purchase	\$ 60,250	\$ -	\$ 0.62	\$ -	\$ -	\$ -	\$ -	\$ 0.62
Threaded Insert	300347	Purchase	\$ -	\$ -	\$ 0.04	\$ -	\$ -	\$ -	\$ -	\$ 0.04
Side Plate	300333	Purchase & Color	\$ 9,300	\$ 500	\$ 0.09	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.09
Side Plate Pin (2)	300328	Purchase & Color	\$ -	\$ 790	\$ 0.12	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.12
Sear Safety Cam	15666	AU M/700	N/A	N/A	\$ 0.26	\$ 0.16	\$ 0.03	\$ 0.48	\$ 0.52	\$ 0.94
Pivot Pin (3)	300351	Purchase & Heat T	\$ -	\$ 290	\$ 0.18	\$ 0.06	\$ 0.02	\$ 0.14	\$ 0.15	\$ 0.40
Sear Spring	17047	AU M/700	N/A	N/A	\$ 0.02	\$ -	\$ -	\$ -	\$ -	\$ 0.02
Trigger	15280	AU M/700	N/A	N/A	\$ 0.01	\$ 0.38	\$ 0.12	\$ 1.02	\$ 1.14	\$ 1.53
Trigger Connector	19461	AU M/700	N/A	N/A	\$ 1.03	\$ 0.13	\$ 0.04	\$ 0.27	\$ 0.31	\$ 1.48
Trigger Screw Front	17053	AU M/700	N/A	N/A	\$ 0.10	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.11
Trigger Engagement Screw	91128	AU M/700	N/A	N/A	\$ 0.03	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.03
Trigger Spring	15400	AU M/700	N/A	N/A	\$ 0.03	\$ -	\$ -	\$ -	\$ -	\$ 0.03
Trigger Stop Screw	15481	AU M/700	N/A	N/A	\$ 0.06	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.06
Safety Assembly	????	Assemble & Heat	\$ -	\$ -	\$ 0.30	\$ 0.12	\$ 0.03	\$ 0.30	\$ 0.32	\$ 0.74
Safety	300344	Purchase	\$ 11,400	\$ 500	\$ 0.30	\$ -	\$ -	\$ -	\$ -	\$ 0.30
Safety Button	91852	AU M/7	N/A	N/A	\$ 0.00	\$ 0.02	\$ 0.00	\$ 0.09	\$ 0.10	\$ 0.12
Safety Pivot Pin	300352	Purchase & Heat T	\$ -	\$ 560	\$ 0.12	\$ 0.02	\$ 0.01	\$ 0.05	\$ 0.05	\$ 0.19
Safety Spring	300343	Purchase	\$ 21,500	\$ 500	\$ 0.05	\$ -	\$ -	\$ -	\$ -	\$ 0.05

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M710 ESTIMATE - REV. 6 - CLASS 2 ESTIMATE										
PART DESCRIPTION	Part #	Proposed Process	Capital Dollars	Operations Dollars	Material \$	Labor \$	Fixed Overhead \$	Variable Overhead \$	Total Overhead \$	Estimated Piece Price
Bolt Stop	300345	PM/Heat Treat/Color	\$ 6,000	\$ 3,500	\$ 0.01	\$ 0.11	\$ 0.01	\$ 0.44	\$ 0.45	\$ 0.57
Receiver Plug Screws (4)	17034	A/U M700	N/A	N/A	\$ 0.12	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.01	\$ 0.13
Recoil Bracket	300361	Purchase & Color	\$ 550	\$ 250	\$ 0.19	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.19
Bolt Body Assembly	????	Braze & Finish	\$ 36,500	\$ 4,000	\$ 8.32	\$ 0.60	\$ 0.23	\$ 1.33	\$ 1.56	\$ 10.49
Bolt Body	300339	Purchase	\$ -	\$ -	\$ 5.53	\$ -	\$ -	\$ -	\$ -	\$ 5.53
Bolt Handle	300370	Bend to Form	\$ 25,450	\$ 2,150.00	\$ 2.66	\$ 0.13	\$ 0.06	\$ 0.31	\$ 0.37	\$ 3.17
Bolt Handle Blank	300360	Purchase	\$ -	\$ 800	\$ 2.66	\$ -	\$ -	\$ -	\$ -	\$ 2.66
Bolt Handle Pin	300329	Purchase	\$ -	\$ 350	\$ 0.07	\$ -	\$ -	\$ -	\$ -	\$ 0.07
Bolt Handle Brazing Sham	300366	Purchase	\$ -	\$ 125	\$ 0.06	\$ -	\$ -	\$ -	\$ -	\$ 0.06
Bolt Head Assembly	????	Assemble	\$ -	\$ 1,000	\$ 2.57	\$ 1.88	\$ 0.76	\$ 4.16	\$ 4.92	\$ 9.37
Bolt Head	300338	Machined	\$ 150,000	\$ 800	\$ 1.60	\$ 1.59	\$ 0.70	\$ 3.69	\$ 4.39	\$ 7.57
Extractor	93712	A/U M700	N/A	N/A	\$ 0.77	\$ 0.00	\$ 0.00	\$ 0.01	\$ 0.01	\$ 0.78
Ejector	300342	Purchase & Color	\$ -	\$ 900	\$ 0.16	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.16
Ejector Spring	????	Purchase	\$ -	\$ -	\$ 0.03	\$ -	\$ -	\$ -	\$ -	\$ 0.03
Ejector Pin	94555	A/U M700	N/A	N/A	\$ 0.01	\$ -	\$ -	\$ -	\$ -	\$ 0.01
Bolt Assembly Pin	300330	Purchase & Color	\$ -	\$ 400	\$ 0.22	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.22
Firing Pin Assembly	????	Assemble	\$ 7,500	\$ 1,000	\$ 3.28	\$ 0.54	\$ 0.12	\$ 1.18	\$ 1.30	\$ 5.12
Bolt Plug	300368	Purchase	\$ -	\$ -	\$ 0.94	\$ -	\$ -	\$ -	\$ -	\$ 0.94
Bolt Plug Insert	300346	Purchase	\$ 2,250	\$ 300	\$ 0.29	\$ -	\$ -	\$ -	\$ -	\$ 0.29
Firing Pin	300334	Purchase & Color	\$ -	\$ 400	\$ 0.30	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.30
Firing Pin Tip	300335	Purchase & Heat T	\$ 1,000	\$ 1,300	\$ 1.28	\$ 0.02	\$ 0.01	\$ 0.05	\$ 0.05	\$ 1.35
Firing Pin Head	300336	MIM	\$ 25,500	\$ 8,900	\$ 0.33	\$ 0.26	\$ 0.02	\$ 0.61	\$ 0.63	\$ 1.22
Firing Pin Spring	????	Purchase	\$ -	\$ -	\$ 0.14	\$ -	\$ -	\$ -	\$ -	\$ 0.14
Front Sight	94084	A/U M700	N/A	N/A	\$ 0.01	\$ 0.25	\$ 0.05	\$ 0.51	\$ 0.56	\$ 0.82
Front Sight Ramp	94657	A/U M700	N/A	N/A	\$ 0.02	\$ 0.26	\$ 0.07	\$ 0.78	\$ 0.85	\$ 1.13
Front Sight Ramp Screws (2)	28505	A/U M700	N/A	N/A	\$ 0.09	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.09
Rear Sight Assembly	103146	A/U M700	N/A	N/A	\$ 0.28	\$ 0.91	\$ 0.15	\$ 1.86	\$ 2.02	\$ 3.20
Elevation Screw	90906	A/U M700	N/A	N/A	\$ 0.02	\$ -	\$ -	\$ -	\$ -	\$ 0.02
Rear Sight Aperture	94333	A/U M700	N/A	N/A	\$ 0.00	\$ 0.08	\$ 0.02	\$ 0.22	\$ 0.23	\$ 0.31
Rear Sight Base	103531	A/U M700	N/A	N/A	\$ 0.16	\$ 0.24	\$ 0.02	\$ 0.56	\$ 0.58	\$ 0.98
Rear Sight Slide	94335	A/U M700	N/A	N/A	\$ 0.07	\$ 0.38	\$ 0.07	\$ 0.75	\$ 0.82	\$ 1.28
Windage Screw	90904	A/U M700	N/A	N/A	\$ 0.02	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.02
Rear Sight Base Screw (2)	28505	A/U M700	N/A	N/A	\$ 0.09	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.09

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Williams v. Remington

W710 ESTIMATE - REV. 6 - CLASS 2 ESTIMATE										
PART DESCRIPTION	Part #	Proposed Process	Capital Dollars	Operations Dollars	Material \$	Labor \$	Fixed Overhead \$	Variable Overhead \$	Total Overhead \$	Estimated Piece Price
Stock Assembly Complete	????	Purchase			\$ 12.01	\$ 0.01	\$ 0.00	\$ 0.03	\$ 0.03	\$ 12.06
Stock Assembly	????	Purchase			\$ 9.50	\$ 0.01	\$ 0.00	\$ 0.03	\$ 0.03	\$ 9.55
Stock	????	Purchase	\$ 130,000		\$ 9.10	\$ -	\$ -	\$ -	\$ -	\$ 9.10
Front Screw Bushing	15161	A/U M/700	N/A	N/A	\$ 0.13	\$ 0.00	\$ 0.00	\$ 0.01	\$ 0.01	\$ 0.15
Middle Screw Bushing	????	Purchase	\$ -	\$ -	\$ 0.13	\$ 0.00	\$ 0.00	\$ 0.01	\$ 0.01	\$ 0.15
Rear Screw Bushing	????	Purchase	\$ -	\$ -	\$ 0.13	\$ 0.00	\$ 0.00	\$ 0.01	\$ 0.01	\$ 0.15
Grip Cap	97971	A/U M/700	N/A	N/A	\$ 0.18	\$ -	\$ -	\$ -	\$ -	\$ 0.18
Recoil Pad	97973	A/U M/700	N/A	N/A	\$ 1.63	\$ -	\$ -	\$ -	\$ -	\$ 1.63
Recoil Pad Screw (2)	98008	A/U M/700	N/A	N/A	\$ 0.05	\$ -	\$ -	\$ -	\$ -	\$ 0.05
Magazine Latch	300362	Purchase	\$ 23,975	\$ 500	\$ 0.26	\$ -	\$ -	\$ -	\$ -	\$ 0.26
Magazine Latch Spring	????	Purchase	\$ -	\$ -	\$ 0.04	\$ -	\$ -	\$ -	\$ -	\$ 0.04
Magazine Latch Pin	300371	Purchase & Color	\$ -	\$ -	\$ 0.05	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.05
Slings Swivel Stud (2)	300096	Purchase	\$ -	\$ -	\$ 0.30	\$ -	\$ -	\$ -	\$ -	\$ 0.30
Takedown Screw (2)	????	Purchase	\$ -	\$ -	\$ 0.16	\$ 0.01	\$ 0.00	\$ 0.02	\$ 0.02	\$ 0.19
Rear Takedown Screw	????	Purchase	\$ -	\$ -	\$ 0.08	\$ 0.00	\$ 0.00	\$ 0.01	\$ 0.01	\$ 0.10
Magazine Assembly	????	Assemble	\$ -	\$ 250	\$ 3.80	\$ 0.42	\$ 0.08	\$ 0.66	\$ 0.74	\$ 4.96
Magazine Box	300363	Purchase & Color	\$ 39,710	\$ 500	\$ 2.79	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 2.79
Magazine Follower	300364	Purchase	\$ 26,250	\$ -	\$ 0.29	\$ -	\$ -	\$ -	\$ -	\$ 0.29
Magazine Bottom	300365	Purchase	\$ -	\$ -	\$ 0.29	\$ -	\$ -	\$ -	\$ -	\$ 0.29
Magazine Spring	17028	A/U M/700	N/A	N/A	\$ 0.42	\$ -	\$ -	\$ -	\$ -	\$ 0.42
Value Added Cost of:										
Proof/Gallery/Inspect/Pack	Joy		\$ -	\$ 1,250	\$ 1.15	\$ 2.08	\$ 0.48	\$ 4.39	\$ 4.87	\$ 8.11
Trial and Pilot Testing	Findlay									
Guns										
Ammunition (90,000 x \$.25 rds)										
Manpower (3 manx40 hrsx4weekx\$45.00)										
Totals:			\$ 1,091,171	\$ 124,825	\$ 56.63	\$ 17.99	\$ 8.53	\$ 42.72	\$ 51.26	\$ 125.88
Total Capital		\$ 1,091,171								
Total Operations		\$ 124,825								
Total Project		\$ 1,215,996								

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Comparison

M/700 ADL Synthetic .30-06 cal. 05 Costing					
Description	Part #	Material	Labor	Overhead	Total
Overall Gun	927478	\$ 36.37	\$ 24.59	\$ 64.56	\$ 125.52
Receiver	99304	\$ 2.60	\$ 4.94	\$ 14.61	\$ 22.15
Barrel	26291	\$ 2.27	\$ 3.08	\$ 10.49	\$ 15.84
Bolt Assy	94097	\$ 6.16	\$ 3.30	\$ 8.85	\$ 18.31
Stock Assy	106183	\$ 9.51	\$ -	\$ -	\$ 9.51
Firecontrol	26345	\$ 2.33	\$ 2.77	\$ 5.82	\$ 10.92
Misc		\$ 13.50	\$ 10.50	\$ 24.79	\$ 48.79

M/710 Synthetic .30-06 Estimated Cost					
Description		Material	Labor	Overhead	Total
Overall Gun	\$	56.63	\$ 17.99	\$ 51.26	\$ 125.88
Receiver	\$	14.65	\$ 0.13	\$ 0.39	\$ 15.17
Barrel	\$	3.35	\$ 6.91	\$ 22.85	\$ 33.11
Bolt Assy	\$	11.11	\$ 2.49	\$ 6.48	\$ 20.08
Stock Assy	\$	12.01	\$ 0.01	\$ 0.03	\$ 12.06
Firecontrol	\$	3.08	\$ 2.14	\$ 4.45	\$ 9.67
Misc	\$	12.42	\$ 6.31	\$ 17.06	\$ 35.79

Comparison: M/700 ADL minus M/710					
Description		Material	Labor	Overhead	Total
Overall Gun		\$ (20.26)	\$ 6.60	\$ 13.30	\$ (0.36)
Receiver		\$ (12.05)	\$ 4.81	\$ 14.22	\$ 6.98
Barrel		\$ (1.08)	\$ (3.83)	\$ (12.36)	\$ (17.27)
Bolt Assy		\$ (4.95)	\$ 0.81	\$ 2.37	\$ (1.77)
Stock		\$ (2.50)	\$ (0.01)	\$ (0.03)	\$ (2.55)
Firecontrol		\$ (0.75)	\$ 0.63	\$ 1.37	\$ 1.25
Misc.		\$ 1.08	\$ 4.19	\$ 7.73	\$ 13.00

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OP #	PROCESS DESCRIPTION	MACHINE DESCRIPTION	Capital \$	Ops \$	Depart. Number	Depart. Labor \$	Total % Overhead	Std. Run Hours	Material \$	Labor \$	Fixed Overhead \$	Variable Overhead \$	Total Overhead \$	Oper Cost
10	Assemble Sights	Fixture Modifications	\$ 1,200.00		8761	19.41	175.7%	0.014587	\$ -	\$ 0.28	\$ 0.05	\$ 0.44	\$ 0.50	\$ 0.78
		Tooling		\$ 750.00										
20	Press Receiver Insert Assy Complete into barrel Assy Complete				8761	19.41	175.7%	0.00279	\$ -	\$ 0.05	\$ 0.01	\$ 0.08	\$ 0.10	\$ 0.15
	Totals		\$ 1,200.00	\$ 750.00				0.017377	\$ -	\$ 0.34	\$ 0.06	\$ 0.53	\$ 0.59	\$ 0.93

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Williams v. Remington

OP #	PROCESS DESCRIPTION	MACHINE DESCRIPTION	Capital \$	Ops \$	Depart. Number	Depart. Labor \$	Total % Overhead	Std. Run Hours	Material \$	Labor \$	Fixed Overhead \$	Variable Overhead \$	Total Overhead \$	Oper Cost
	Blank Material - Screw Machine								\$ 14.65					\$ 14.65
	Gaging - CMM (vendor and Remington)		\$ 750.00		Vendor									
70	Roll mark Remington & model	Schmidt	\$ 8,000.00	\$ 600.00	8154	\$ 18.07	297.80%	0.003600	\$ -	\$ 0.07	\$ 0.02	\$ 0.17	\$ 0.19	\$ 0.26
		gagc		\$ 500.00										
80	Stamp serial number	Rem Special	\$ 5,000.00	\$ 600.00	8154	\$ 18.07	297.80%	0.003600	\$ -	\$ 0.07	\$ 0.02	\$ 0.17	\$ 0.19	\$ 0.26
		gagc		\$ 500.00										
	Totals		\$ 13,750.00	\$ 2,200.00				0.007200	\$ 14.65	\$ 0.13	\$ 0.05	\$ 0.34	\$ 0.39	\$ 15.17

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OP #	PROCESS DESCRIPTION	MACHINE DESCRIPTION	Capital \$	Ops \$	Depart. Number	Depart. Labor \$	Total % Overhead	Std. Run Hours	Material \$	Labor \$	Fixed Overhead \$	Variable Overhead \$	Total Overhead \$	Oper. Cost
1	Issue From Cnb				9132									
10	Ultrasonic Weld	Fixturing	\$ 2,000.00	\$ 500.00	11763	\$ 20.06	387.40%	0.000001	\$ -	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
	Totals		\$ 2,000.00	\$ 500.00				0.000001	\$ -	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

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	PROCESS DESCRIPTION	MACHINE DESCRIPTION	Capital \$	Ops. \$	Depart. Number	Depart. Labor \$	Total % Overhead	Std. Run Hours	Material \$	Labor \$	Fixed Overhead \$	Variable Overhead \$	Total Overhead \$	Oper. Cost
	Blank Material - Screw Machine			\$ 790.00	Vendor				\$ 0.06					\$ 0.06
	Gaging (vendor and Remington)													
10	Black Oxide Color		\$ -	\$	8551	\$ 18.39	240 20%	0.000001	\$ -	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
	Totals		\$ -	\$ 790.00				0.000001	\$ 0.06	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.06

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Figure 1. The proposed model for the development of the self-regulated learning strategy. The model illustrates the relationship between various factors influencing the development of self-regulated learning strategies. The factors are categorized into three main groups: Personal Factors, Environmental Factors, and Instructional Factors. Personal Factors include Self-efficacy, Self-regulation, and Self-monitoring. Environmental Factors include Social support, Cultural context, and Educational resources. Instructional Factors include Teacher's role, Instructional materials, and Assessment methods. The model shows how these factors interact to influence the development of self-regulated learning strategies, which are then used to enhance learning outcomes.

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8560	\$	16.09	276.80%	0.0065000	\$	-
8551	\$	18.39	240.20%	0.0000100	\$	-
8502	\$	16.93	233.30%	0.0066290	\$	-
8551	\$	18.39	240.20%	0.0000100	\$	-
8551	\$	18.39	240.20%	0.0053000	\$	-
8551	\$	18.39	240.20%	0.0040000	\$	-
				0.027549	\$	-

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Williams v. Remington

OP#	PROCESS DESCRIPTION	MACHINE DESCRIPTION	Capital \$	Ops. \$	Depart. Number	Depart. Labor \$	Total % Overhead	Std. Run Hours	Material \$	Labor \$	Fixed Overhead \$	Variable Overhead \$	Total Overhead \$	Oper Cost
10	Assemble Rivetless Extractor		\$ -	\$ 500.00	8761	19.41	175.7%	0.00692	\$ -	\$ 0.13	\$ 0.03	\$ 0.21	\$ 0.24	\$ 0.37
20	Assemble Ejector		\$ -	\$ 500.00	8761	19.41	175.7%	0.0083	\$ -	\$ 0.16	\$ 0.03	\$ 0.25	\$ 0.28	\$ 0.44
	Totals		\$ -	\$ 1,000.00				0.015220	\$ -	\$ 0.30	\$ 0.06	\$ 0.46	\$ 0.52	\$ 0.81

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OP #	PROCESS DESCRIPTION	MACHINE DESCRIPTION	Capital \$	Ops \$	Depart. Number	Depart. Labor \$	Total % Overhead	Std. Run Hours	Material \$	Labor \$	Fixed Overhead \$	Variable Overhead \$	Total Overhead \$	Oper. Cost
	Blank Material								\$ 1.60					\$ 1.60
15	Mill Lugs				8560	\$ 16.09	276.80%		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Machine	Cann. 100	\$ 78,000.00											
	Fixtures		\$ 4,000.00											
	Tools		\$ 4,000.00	\$ 500.00										
	Gaging		\$ 1,000.00											
25	Mazak				8560	\$ 16.09	276.80%	0.041000	\$ -	\$ 0.06	\$ 0.29	\$ 1.54	\$ 1.83	\$ 2.49
	Fixtures	New Tombstones/Collets	\$ 60,000.00											
	Gaging		\$ 4,000											
56	Ream Extractor Rivet Hole				8560	\$ 16.09	276.80%	0.006880	\$ -	\$ 0.11	\$ 0.05	\$ 0.26	\$ 0.31	\$ 0.42
	Fixtures		\$ 1,000.00											
57	Coil Anti-Rotation Dimple				8560	\$ 16.09	276.80%	0.006380	\$ -	\$ 0.10	\$ 0.05	\$ 0.24	\$ 0.28	\$ 0.39
	Fixtures		\$ 1,000.00											
60	Ream Ejt /Ejt Retaining Hole				8560	\$ 16.09	276.80%	0.007100	\$ -	\$ 0.11	\$ 0.05	\$ 0.27	\$ 0.32	\$ 0.43
	Fixtures		\$ 1,000.00											
65	Ream & C Sink Extractor				8560	\$ 16.09	276.80%	0.015110	\$ -	\$ 0.24	\$ 0.11	\$ 0.57	\$ 0.67	\$ 0.92
	Rivet Hole Ream Ejt Cross													
	Pin Hole													
	Fixtures		\$ 1,000.00											
70	Deburr & Dimple				8560	\$ 16.09	276.80%	0.015110	\$ -	\$ 0.24	\$ 0.11	\$ 0.57	\$ 0.67	\$ 0.92
	Fixtures		\$ 1,000.00											
90	Drill Assembly Hole	Drill Press												
	Fixture		\$ 1,000.00	\$ 200.00	8560	\$ 16.09	276.80%	0.004166	\$ -	\$ 0.07	\$ 0.03	\$ 0.16	\$ 0.19	\$ 0.25
100	Ream Assembly Hole	Drill Press												
	Fixture		\$ 1,000.00	\$ 100.00	8560	\$ 16.09	276.80%	0.002777	\$ -	\$ 0.04	\$ 0.02	\$ 0.10	\$ 0.12	\$ 0.17
	Totals		\$ 180,000.00	\$ 800.00				0.098523	\$ 1.60	\$ 1.59	\$ 0.70	\$ 3.69	\$ 4.39	\$ 7.57

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	PROCESS	MACHINE	Capital	Ops	Depart.	Depart.	Total %	Std. Run	Material	Labor	Fixed	Variable	Total	Oper
OP #	DESCRIPTION	DESCRIPTION	\$	\$	Number	Labor \$	Overhead	Hours	\$	\$	\$	\$	\$	Cost
	Blank Material - Screw Machine								\$ 0.16					\$ 0.16
	Gaging (vendor and Remington)			\$ 900.00	Vendor									
10	Black Oxide Color		\$ -	\$ -	8551	\$ 18.39	240.20%	0.000001	\$ -	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
Totals			\$ -	\$ 900.00				0.000001	\$ 0.16	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.16

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#XXXX - Firing Pin Assembly

OP #	PROCESS DESCRIPTION	MACHINE DESCRIPTION	Capital \$	Ops \$	Depart. Number	Depart. Labor \$	Total % Overhead	Std. Run Hours	Material \$	Labor \$	Fixed Overhead \$	Variable Overhead \$	Total Overhead \$	Oper. Cost
10	Assemble Firing Pin Tip to Firing Pin			\$ 500.00	8502	\$ 16.93	233.30%	0.001109	\$ -	\$ 0.02	\$ 0.01	\$ 0.04	\$ 0.04	\$ 0.06
20	Assemble Firing Pin Sub Assembly, Main Spring, Bolt Plug & Firing Pin Head		\$ 7,500.00	\$ 500.00	8502	\$ 16.93	233.30%	0.014515	\$ -	\$ 0.25	\$ 0.09	\$ 0.48	\$ 0.57	\$ 0.82
	Totals		\$ 7,500.00	\$ 1,000.00				0.015624	\$ -	\$ 0.26	\$ 0.10	\$ 0.52	\$ 0.62	\$ 0.88

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OP #	PROCESS DESCRIPTION	MACHINE DESCRIPTION	Capital \$	Ops. \$	Depart. Number	Depart. Labor \$	Total % Overhead	Std. Run Hours	Material \$	Labor \$	Fixed Overhead \$	Variable Overhead \$	Total Overhead \$	Oper Cost
	Blank Material - MIM													
10	MIM process part				8902				\$ 0.08	\$ 0.21	\$ 0.00	\$ 0.51	\$ 0.51	\$ 0.79
		mold	\$ 19,000.00											
		furnace setters		\$ 3,000.00										
		development cost		\$ 5,000.00										
20	tap	tapmate	\$ 5,500.00	\$ 400.00	8562	\$ 16.93	233%	0.0020000		\$ 0.03	\$ 0.01	\$ 0.07	\$ 0.08	\$ 0.11
		fixture	\$ 1,000.00											
		gages		\$ 500.00										
30	wash				8580	\$ 16.93	233%	0.000118		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.01
40	heat treat micro carb				8551	\$ 18.39	240.20%	0.0002772		\$ 0.01	\$ 0.00	\$ 0.01	\$ 0.01	\$ 0.02
50	draw				8551	\$ 18.39	240.20%	0.0001260		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.01	\$ 0.01
60	inspect for hardness				8551	\$ 18.39	240.20%	0.0000100		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
70	tumble				8551	\$ 18.39	240.20%	0.0003696		\$ 0.01	\$ 0.00	\$ 0.01	\$ 0.02	\$ 0.02
80	Electroless Nickel Plate				Vendor				\$ 0.25	\$ -			\$ -	\$ 0.25
	Totals		\$ 25,500.00	\$ 8,900.00				0.002901	\$ 0.33	\$ 0.26	\$ 0.02	\$ 0.61	\$ 0.63	\$ 1.22

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#XXXX -Magazine Assy

	PROCESS	MACHINE	Capital	Ops	Depart.	Depart.	Total %	Std. Run	Material	Labor	Fixed	Variable	Total	Oper.
OP #	DESCRIPTION	DESCRIPTION	\$	\$	Number	Labor \$	Overhead	Hours	\$	\$	\$	\$	\$	Cost
10	Assemble magazine Assy		\$	\$ 250.00	8761	19.41	175.7%	0.021712	\$ -	\$ 0.42	\$ 0.08	\$ 0.66	\$ 0.74	\$ 1.16
	Totals		\$ -	\$ 250.00				0.021712	\$ -	\$ 0.42	\$ 0.08	\$ 0.66	\$ 0.74	\$ 1.16

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Confidential - Subject to Protective Order
Williams v. Remington

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Confidential - Subject to Protective Order
Williams v. Remington

OP #	PROCESS DESCRIPTION	MACHINE DESCRIPTION	Capital \$	Ops \$	Depart. Number	Depart. Labor \$	Total % Overhead	Std. Run Hours	Material \$	Labor \$	Fixed Overhead \$	Variable Overhead \$	Total Overhead \$	Oper Cost
10	Proof Test				8785	\$ 16.37	263.80%	0.016046	\$ 0.25	\$ 0.26	\$ 0.06	\$ 0.63	\$ 0.69	\$ 1.21
20	Test & Target				8785	\$ 16.37	263.80%	0.031759	\$ 0.90	\$ 0.52	\$ 0.13	\$ 1.25	\$ 1.37	\$ 2.79
30	Inspect Heading & Sear Lift				8785	\$ 16.37	263.80%	0.019630	\$ -	\$ 0.32	\$ 0.08	\$ 0.77	\$ 0.85	\$ 1.17
40	Inspect for Live AMMO				8785	\$ 16.37	263.80%	0.004270	\$ -	\$ 0.07	\$ 0.02	\$ 0.17	\$ 0.18	\$ 0.25
50	Final Inspection				8786	\$ 19.90	195.20%	0.022370	\$ -	\$ 0.45	\$ 0.09	\$ 0.77	\$ 0.87	\$ 1.31
60	Assemble Rear Swivel Screw				8786	\$ 19.90	195.20%	0.004315	\$ -	\$ 0.09	\$ 0.02	\$ 0.15	\$ 0.17	\$ 0.25
70	Pack			\$ 1,250.00	8788	\$ 19.90	195.20%	0.019043	\$ -	\$ 0.38	\$ 0.08	\$ 0.66	\$ 0.74	\$ 1.12
	Totals		\$ -	\$ 1,250.00				0.117433	\$ 1.15	\$ 2.08	\$ 0.48	\$ 4.39	\$ 4.87	\$ 8.11

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