

cc: R.L. Hall
H.K. Boyle
G.E. Fletcher
J.C. Hutton
J.H. Sweeney
T.A. Capeletti
J.P. Linde) In
G.D. Campbell) Turn
J.S. Martin) In
F.E. Martin) Turn
L.B. Bosquet) In
G.J. Hill) Turn

Est. #4305

June 18, 1981

S.D. Bennett

M/700 Trigger Assembly
Present Trigger Assembly vs. Proposed New Trigger Assembly

A high spot economic evaluation has been completed using the 1981 M/700 forecast comparing the present M/700 Trigger Assembly to a proposed new designed Trigger Assembly. The safety is revised in the proposed new Trigger Assembly, cutting off the locking arm and adding a countersink to actuate the new safety plunger when the "safe" is on. New designed side plates, trigger and a new stop screw and spring completes the proposed new Trigger Assembly.

The attached economic sheet indicates an annual cost increase of \$35,270 in operating cost. A cost increase of \$16,800 after amortization of operation charges of \$16,500 will be realized with total capital required of \$20,060.

Industrial Engineering Section
R.W. Farrington, Jr., Supervisor

A.E. Desmond

By: A.E. Desmond

AED/kc
Attached

FIG #34

cc: R.L. Hall
R.K. Boyle
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Industrial Engineering Section
R.W. Farrington, Jr., Supervisor 110, JEP.

A.E. Desmond

By: A.E. Desmond

AED/kc
Attached

RD-6565
Rev.
SME: 3-26-79

ESTIMATE # 4305

ESTIMATED SAVINGS & RETURN ON INVESTMENT

M/700 TRIGGER ASSEMBLY - PRESENT VS PROPOSED NEW ASSEMBLY DESIGNED UNDER THE SAFETY IS REVISED

ENGINEER: A.E. DESMOND

CUTTING OFF THE LOCKING ARM AND ADDING A COUNTERSINK TO ACTIVATE THE SAFETY PLUNGER WHEN THE "SAFE" IS ON.

DATE: 6-17-81

	PRESENT #2-1381 110,308	PROPOSED		
Forecast Year				
Quantity Forecast				
OPERATING COSTS				
Purchased Parts	\$ 181,390	\$ 195,900	\$	\$
Raw Material				
Standard Labor	120,060	131,280		
Labor Variance @ 5%	6,000	6,560		
Industrial Relations @ 47.9%	60,380	66,020		
Supplies	1,680	1,770		
Tool Replacement	1,520	2,200		
Cutter Grind	1,320	3,320		
Tool Maintenance	890	1,020		
Maintenance	1,160	1,600		
Energy				
Equipment Depreciation @				
Sub Totals	\$ 374,400	A \$ 409,670	\$	A \$
Gross Savings Before Admin. Exp.		(\$ 35,270)		B \$
Admin. Exp. @ 4.3% Gross Savings		B \$		B \$
Sub Totals	\$ 374,400	A+B \$ 409,670	\$	A+B \$
SAVINGS IN OPERATING COST				
		(\$ 35,270)		\$
Less: Income Tax @ 48.5 %		(\$ 17,110)		(\$
Plus: Amortization of Investment Tax Credit		\$		\$
NET SAVINGS		(\$ 18,160)		\$
INVESTMENT				
Project Expenditures		\$ -		\$
Manufacturing & Working Facilities		\$		\$
Net Change in Working Capital		\$ 11,930		\$
Total Capital Required for this Project		\$ 11,930		\$
RETURN ON INVESTMENT - THIS PROJECT				
Net Savings - After Amortization of Operation Charges		(\$ 16,800)		\$
Project Operation Charges		\$ 16,500		\$
Less: Administration Expense @ 4.3 % & Income Taxes @ 48.5 % (Factor .5072)		(\$ 8,370)		(\$
Total Capital Required Including Research & Development & Other Charges		\$ 20,060		\$
RETURN ON TOTAL CAPITAL REQUIRED		(83.7%)		
Equipment to be Released				
Increased Space Requirements (Decrease)				
Production Capacity				
Forecast Burdening			\$	

Tim Chet

6/22/81

Process for Repair

8-9-10

5", 6", 7"

