xc: 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
P.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

NTBOOK133

PD-6565
Rev.
ENT. 3-26-79

ESTIMATE # 4305

ESTIMATED SAVINGS & RETURN ON INVESTMENT

M/700 TRIGGER ASSEMBLY - PRESENT VS PROPOSED NEW ASSEMBLY DESIGNED WHERE THE SAFETY IS REVISED CUTTING OFF THE LOCKING ARM AND ADDING A COUNTERSINK TO ACTUATE THE SAFETY PLUNGER WHEN THE SAFE IS ON.

ENGINEER: A E TIETMOND

DATE: 5-17-81

	PRESENT	PROPOSED		
Forecast Year	FZ-1981			
Quantity Forecast	110 208			
OPERATING COSTS				
Purchased Parts	$ 181 790	$ 195 900	$	$
Raw Material				
Standard Labor	120 060	131 280		
Labor Variance @ 5%	6 000	6 560		
Industrial Relations @47.9%	60 380	66 920		
Supplies	1 480	1 770		
Tool Replacement	1 520	2 300		
Cutter Grind	1 320	2 220		
Tool Maintenance	590	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)		$
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		31		

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