

HIGH SPOT  
ESTIMATED SAVINGS & RETURN ON INVESTMENT  
M/700 BOLT HANDLE

EST. # 2891  
REVISION # 12

PRESENT CASTING VS. PROPOSED COLD FORMED STAMPING

1969 Year of Operation

|                                                                                              | <u>PRESENT CASTING</u> | <u>PROPOSED COLD FORMED STAMPING</u> |               |    |
|----------------------------------------------------------------------------------------------|------------------------|--------------------------------------|---------------|----|
| <u>#1 - 1969 SALES</u>                                                                       |                        |                                      |               |    |
| <u>Quantity Forecast</u>                                                                     | <u>69,500</u>          |                                      |               |    |
| <u>OPERATING COSTS</u>                                                                       |                        |                                      |               |    |
| <u>Purchased Parts + 3% VARIANCE</u>                                                         | <u>\$ 67,580</u>       | <u>\$ 52,260</u>                     | \$            | \$ |
| <u>Raw Material</u>                                                                          |                        |                                      |               |    |
| <u>Standard Labor</u>                                                                        | <u>2,520</u>           | <u>3,340</u>                         |               |    |
| <u>Labor Variance @</u>                                                                      | <u>1,050</u>           | <u>830</u>                           |               |    |
| <u>Industrial Relations @ 34%</u>                                                            | <u>1,210</u>           | <u>1,420</u>                         |               |    |
| <u>Supplies</u>                                                                              | <u>460</u>             | <u>470</u>                           |               |    |
| <u>Tool Replacement</u>                                                                      | <u>210</u>             | <u>860</u>                           |               |    |
| <u>Cutter Grind</u>                                                                          | <u>100</u>             | <u>450</u>                           |               |    |
| <u>Tool Maintenance</u>                                                                      | <u>50</u>              | <u>100</u>                           |               |    |
| <u>Maintenance</u>                                                                           | <u>700</u>             | <u>670</u>                           |               |    |
| <u>Electricity</u>                                                                           |                        |                                      |               |    |
| <u>Equipment Depreciation @ 10% X 6,600</u>                                                  |                        | <u>660</u>                           |               |    |
|                                                                                              |                        |                                      | <u>61,060</u> |    |
| <u>Franchise Tax @ 3.1%</u>                                                                  |                        | <u>400</u>                           |               |    |
|                                                                                              | <u>\$ 73,880</u>       | <u>\$ 61,460</u>                     | \$            | \$ |
| <u>SAVINGS IN OPERATING COST</u>                                                             |                        | <u>\$ 12,420</u>                     |               |    |
| Less: All other expense:                                                                     |                        |                                      |               |    |
| All Other <u>5.8%</u> Federal Tax <u>52.8%</u>                                               | <u>720</u>             | <u>\$ 6,900</u>                      |               |    |
|                                                                                              | <u>6180</u>            |                                      |               |    |
| <u>NET SAVINGS</u>                                                                           |                        | <u>\$ 5,520</u>                      |               |    |
| <u>INVESTMENT</u>                                                                            |                        |                                      |               |    |
| <u>Project expenditures</u>                                                                  |                        | <u>\$ 6,600</u>                      |               |    |
| <u>Manufacturing and working facilities</u>                                                  |                        |                                      |               |    |
| <u>Net change in working capital</u>                                                         |                        | <u>(10,570)</u>                      |               |    |
| <u>Total capital required for this project</u>                                               |                        | <u>\$ (3,970)</u>                    |               |    |
| <u>RETURN ON INVESTMENT - THIS PROJECT</u>                                                   |                        | <u>INF. %</u>                        |               |    |
| <u>NET SAVINGS - After Amortization of Operation Charges</u>                                 |                        | <u>\$ 4,660</u>                      |               |    |
| <u>Project Operation Charges</u>                                                             |                        | <u>\$ 19,400</u>                     |               |    |
| Less: Federal Tax <u>52.8%</u>                                                               |                        | <u>\$ 10,240</u>                     |               |    |
| <u>Total capital required including research and development and other operation charges</u> |                        | <u>\$ 5,190</u>                      |               |    |
| <u>Return on total capital required</u>                                                      |                        | <u>89.8 %</u>                        |               |    |
| <u>Return on total additional investment after completion of this project</u>                |                        |                                      |               |    |

(Subdivision 5)

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E.A.K.  
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