

COSTING FORMULA FOR INJECTION MOLDED

METAL AND CERAMIC PARTS

DATE: 4/16/82

PART NAME & NUMBER: MAG ARM
SPRING ARM SMALL END

MATERIAL $\left(\frac{\text{lb/pc}}{\text{lb}} \right) \left(\frac{\text{\$/lb}}{\text{\$/lb}} \right)$
.95

LABOR MOLDING = $\left(\frac{\text{SEC/cycle}}{\text{CAV.}} \right) \left(\frac{\text{\$/HR}}{\text{SEC/HR}} \right) \left(\frac{\text{\$/lb}}{\text{\$/lb}} \right)$
(9.46 / 3600) (1.65)

+ $\left(\frac{\text{\$/HR}}{\text{PC/HR}} \right) \left(\frac{\text{\$/lb}}{\text{\$/lb}} \right) \left(\frac{\text{\$/lb}}{\text{\$/lb}} \right)$
PROCESSING = (9.46 / 0.95) (0.80)

TOTAL LABOR COST =

DIRECT CHARGES @ 100% OF LABOR

PLANT OVERHEAD @ 110% OF LABOR

INDUSTRIAL RELATIONS @ 48% OF LABOR

TOOL AMORTIZATION $\left(\frac{\text{\$/TOOL COST}}{\text{PC TOOL LIFE}} \right)$

DEPRECIATION $\left(\frac{\text{\$/HR}}{\text{\$/HR}} \right) \times 7.5\%$

FACTORY COST (FC)

LICENSE FEES

RESEARCH (14% FC)

MARKETING (9% FC)

ADMINISTRATIVE (10% FC)

ROYALTIES (5.5% FC)

MARGIN (CALCULATED BY MATERIAL CLASS)

SELLING PRICE

4-2-82

spring assen
large end

0.0340
5.0000
0.1789

60.0000
4.0000
0.0606

157.5588
0.0790

0.1396

0.1396

0.1536

0.0670

35000.0000
500000.0000
0.0700

126.0471
0.0704

0.8193

0.0310

0.1147

0.0737

0.0819

0.0000

0.0000

1.1206