



A BRAND AE-CR-VMS



SNAPSHOT

BACKGROUND

A power sports manufacturer is slotting in 8620 steel drive/brake mechanism for PUTVs and other small power sports platforms.

GOALS

Customer is looking to increase productivity and tool life if possible.

DETAILS

INDUSTRY

Motorsports

PART

Drive Pin

MATERIAL

8620 Steel

MACHINE

M560B

SPINDLE

CAT40

ORIGINAL TOOLING

Carbide Coated End Mill
0.375" | 4 Flute | TiAlN

NEW TOOLING

A Brand AE-CR-VMS
0.375" | 4 Flute | EgiAs



OVER \$7,500 ANNUAL SAVINGS!

THE STRATEGY

The OSG A Brand AE-CR-VMS excels in steel slotting applications with its variable index and chip clearing capabilities. Combined with the corner radius for added edge protection makes this A Mill the perfect choice.

THE RESULTS

The OSG A Brand AE-CR-VMS was able to exceed customer expectations by not only increasing tool life by 25% but also by increasing productivity by 30%!

	Original Process	NEW Process
Tool Diameter (Inch)	0.375"	0.375"
Cutting Speed (RPM • SFM)	8,148 • 801	10,500 • 1,032
Feed (IPM • IPT)	110.8128 • 0.0034	143 • 0.0034
Depth of Cut (Aa • Ar)	0.17" • 0.375"	0.17" • 0.375"
Metal Removal Rate	7.06 in ³ min	9.10 in³ min
Cycle Time (Seconds)	0.01	0.01
Tool Life (# of Parts)	790	986



THE CONCLUSION

OSG's AE-VMS was able to save this customer over \$7500 annually on this production job.

Results Overview	
Cycle Time Saved Per Part (Minutes)	0.00
Annual Part Production	345,000
Annual Cycle Time Saved (Minutes)	954
Annual Machine Cost Savings	\$1,590
Tool Life Productivity Improvement	25%
Annual Tool Change Cost Savings	\$723.42
Total Machining Cost Saved Annually	\$7,523

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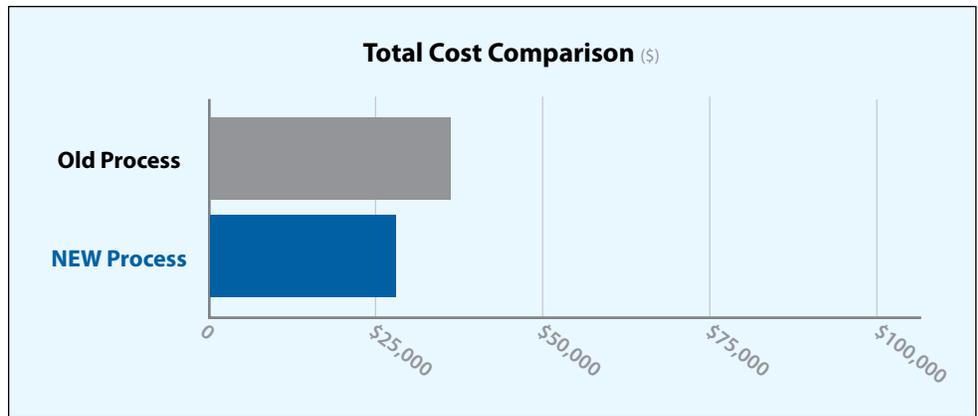
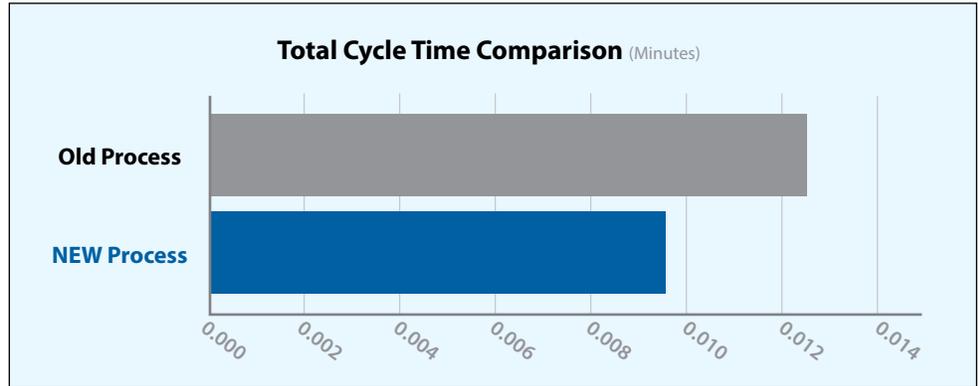
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FIND OUT MORE

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osgtool.com/a-brand-ae-vm

