

# Ski-Carb

Kyocera SGS Precision Tools Case Study



## INDUSTRY



## POWER GENERATION

### MATERIAL

Copper 110

### PRODUCT

KSPT Ski-Carb  
Uncoated 2 flute End Mill

### APPLICATION

Milling

### COMPETITOR

4-Flute End Mill

### COOLANT

Water Soluble

### TOOL INFORMATION

1/4" DIA / 3/4" LOC / 2-7/16" OAL

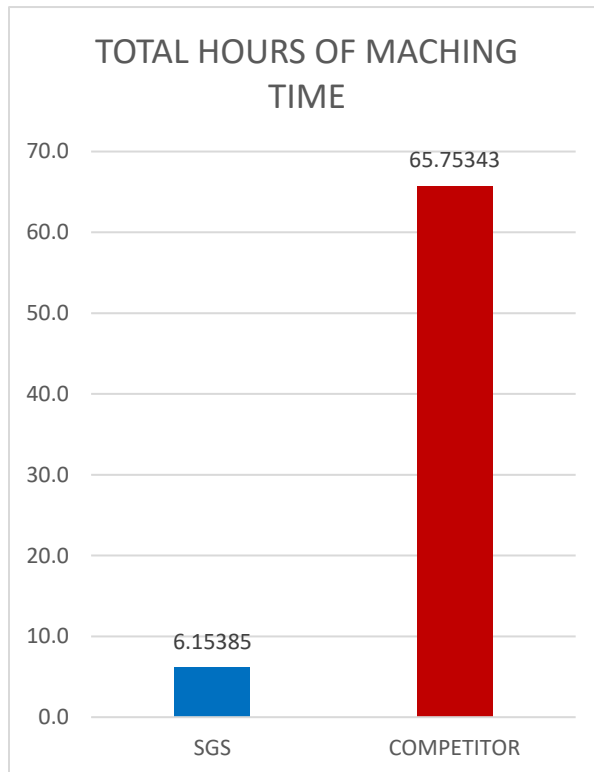


## GOALS

The goals of this study were to increase cost savings and productivity by reducing cycle time and increasing tool life.

## STRATEGY

KSPT approached this job with a 2 flute Ski-Carb end mill and switched from grinding the material to milling. KSPT's Ski-Carb is designed for non-ferrous, aluminum, and non-metallic applications to minimize chip interference and reduce chatter.

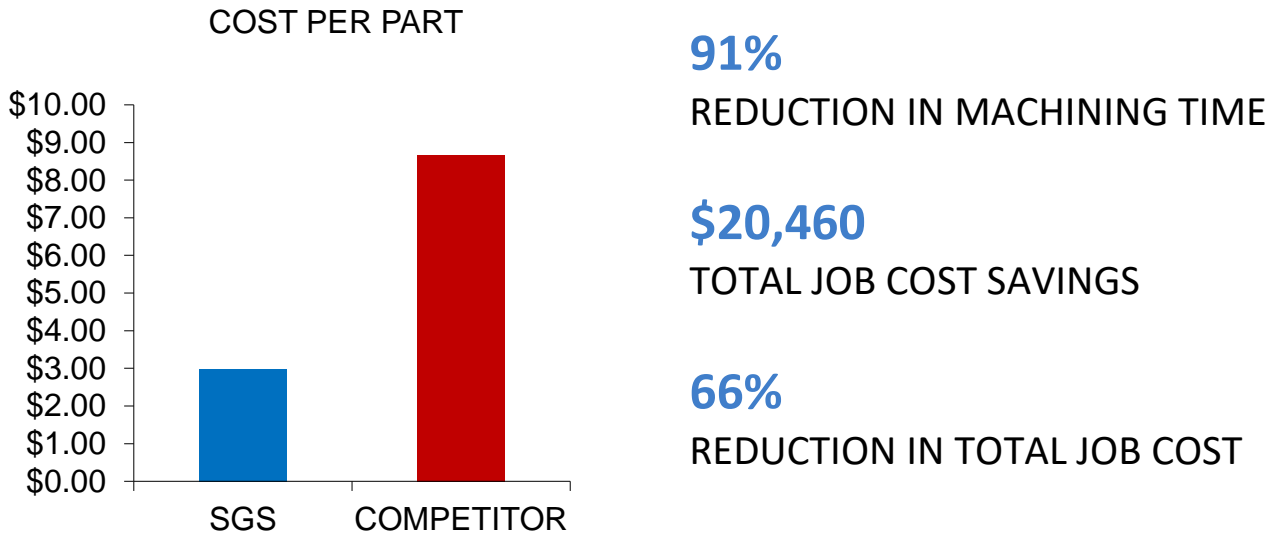


KSPT's Ski-Carb allowed for a **91% reduction in machining time!**



## RESULTS

The overall findings of this study indicate that KSPT's Ski-Carb reduces cycle time from over one minute to **under ¼ minute per part** while increasing tool life. The Ski-Carb delivers advanced productivity by decreasing the total cost of the job by **66%**, to a total of **\$20,459.97** in job cost savings.



**KSPT's Z-Carb HPR allowed for 66% decrease in cost per part!**

