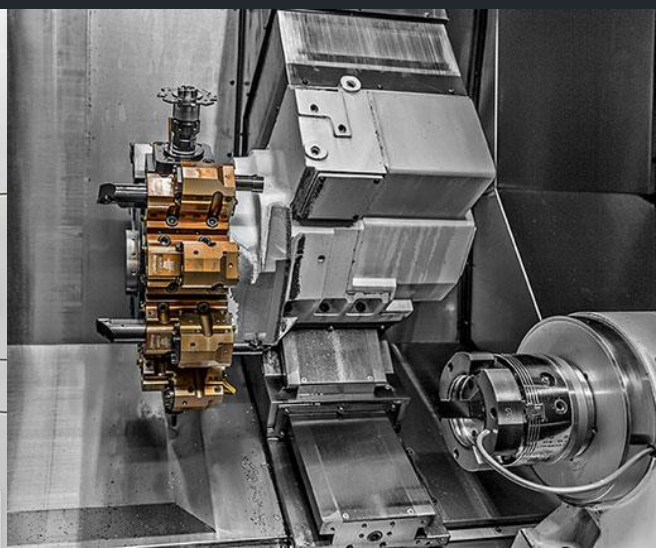
WOLFRAM
MANUFACTURING
TECHNOLOGIES

CASE STUDY



THE EQUIPMENT

TMAC
Tool Monitoring and Adaptive Control

OKUMA
Okuma LB3000 EXII CNC Lathe

OnTakt
Production management software

UNIVERSAL ROBOTS
CB3 UR10 picks 1 part every 24 mins

THE CHALLENGE

Here are Wolfram, we're not just an integrator of Caron Engineering's Tool Monitoring and Adaptive Control (TMAC) product, we're a production machine shop running 24/7. We use the Caron products every day (and all night too) to save money on tooling costs.

Prior to introducing TMAC onto our machines we knew we were spending more than we should by being conservative with our tool counting. We would conduct tool studies to determine how long we could safely run a tool. Like many shops we talk to, we found that there was significant variation in tool life from tool to tool, especially with different lots of material. One tool run might find us with a tool life of 75 parts, another 150 parts.

The wide range of tool life variation in our tool studies meant we were replacing nearly all our tools prematurely, leaving money on the table

THE SOLUTION

The solution for us was Caron's TMAC. TMAC can monitor the horsepower of the machine and we are able to set limits for each tool.

So, if a tool starts to wear, the machine will stop so we can change out the tool. If a tool does break, it will stop immediately saving further damage to the part, misaligned tooling, or spindle damage.

SCHEDULE A LIVE DEMO

THE RESULTS

$5,000

AVERAGE MONTHLY TOOLING SAVINGS PER MACHINE PER MO

<6 mo

ROI IS LESS THAT 6 MONTHS WITH TMAC

WOLFRAM MANUFACTURING TECHNOLOGIES
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