



CUSTOMER **BEST PUMP AND FLOW**
SOLUTION **METALWORKING AP OP®
MANAGED INVENTORY SERVICES**

BEST Pump and Flow creates high-performance products for the oilfield service industry. They operate a state-of-the-art manufacturing campus with multiple plants totalling over 200,000 square feet with in-house engineering, robotic machining, state-of-the-art test cells, quality, service and repair.

MSC has worked to gain their trust over the past 20 years as a partner who can help continually improve their metalworking processes, streamline their supply chain, and keep their workforce safe.

To learn more about how MSC can help you drive cost savings, increase productivity, safety, profitability and efficiency, call us at 800.645.7270 or visit mscdirect.com.

OILFIELD SERVICE INDUSTRY

CHALLENGE

IDENTIFIED OPPORTUNITIES TO IMPROVE EFFICIENCY

- One deep boring process **required 2 machines** to complete
- Inserts were **wearing out or not performing** as expected
- Finishing another part meant **moving an 8000-pound steel block**
- **70 minutes were lost** with every block moved to a second machine

SOLUTION

AN MSC AP OP® FOR EVERY METALWORKING CHALLENGE

- MSC helped **implement a special radial cutter** that allowed boring to be done on a single machine
- Provided upgraded inserts from MSC's strategic supplier network that **delivered 2x tool life**
- Building a special assembly **eliminated unnecessary material handling**
- Increasing depth of cut per manufacturer recommendations to **cut the number of passes in half** on an existing application

RESULTS

INCREASED PRODUCTIVITY AND SIGNIFICANTLY REDUCED COSTS

- Cycle times **improved by 55%**
- Gained an **additional 1200 working hours** per year
- **Saved \$1,149,000** in machining and tooling costs
- **Saved \$160,000** through managed inventory services

CONTINUOUS IMPROVEMENT

"We have assembly, we have testing, we have painting, we have machining, we have welding. It's a lot of different venues that are covered by MSC, not just the machining portion. So knowing that you got a partner with knowledge in all those different areas is very, very beneficial and helpful."

Bryce Beckworth, *Director of Manufacturing at BEST Pump and Flow*