

CUSTOMER BDE MANUFACTURING TECHNOLOGIES (BDE)

INDUSTRY CNC MACHINING & TOOLMAKING

SOLUTION MSC MILLMAX®

BDE is a state-of-the-art CNC machine shop in Beaverton, Oregon.

BDE combines old world craftsmanship with state-of-the-art technology to provide innovative solutions to meet their clients' manufacturing needs. Precision services backed with innovative thinking is what defines BDE and provides quality services to their clientele, ensuring safe and efficient operations.

BDE's mission is to remain ahead of the technology curve and become a strategic partner to their customers' success. By carefully understanding their clients' needs, BDE provides optimum solutions that will help meet their clients' component or product requirements.

Learn more about our MillMax® service at mscdirect.com/solutions/millmax



GO SEE

IDENTIFIED OPPORTUNITIES TO INCREASE OPERATIONAL EFFICIENCY



Part finish was not sufficient



Making multiple passes to achieve a flat wall to achieve datum surface



Part scrap rate was too high

GO DO

MSC'S METALWORKING SPECIALIST CONDUCTED MILLMAX® TAP TEST



Metalworking specialist brought in test tools - latest end mill technology and more rigid toolholder



Identified stable running zones for tools



Delivered a results dashboard with specific recommendations

GO SAVE

ENHANCED OPERATIONAL PRODUCTIVITY

66%

Increase in Surface Footage

2x

Increase in Table Feed

5

Passes Eliminated

1200%

Increase in Productivity

GO AGAIN

"We have a high production part with deep walls that historically required an excessive combination of depth cuts and spring passes to achieve the required surface finish. MSC used the MillMax® technology to tap test our tool and provide us with a dashboard that identified optimal cutting parameters. MillMax® found a very finite speed, feed and depth-of-cut combo that allowed us to achieve the required finish without any depth cuts or spring passes and also increase in surface footage. This netted us a significant decrease in overall cycle time as well as a much better and constant surface finish."

Karl Bringhurst,
BDE Manufacturing Technologies