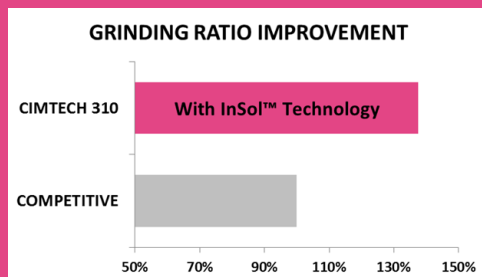
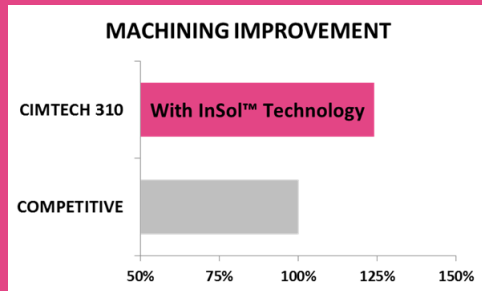


## CIMTECH<sup>®</sup> 310 with InSol<sup>™</sup> Technology



### What is InSol<sup>™</sup> Technology ?

InSol Technology puts lubricant at the cut zone-tooling interface so that lubrication and cooling are optimized. Since InSol Technology is water soluble, this great performance lasts longer due to lower depletion rates. Best of all, InSol Technology can help with tough alloys and even form tapping of aluminum. Using CIMTECH fluids with InSol Technology can improve machining and grinding ratios significantly compared to conventional fluids.



### Aerospace

#### Fluid and Concentration

CIMTECH 310 with InSol Technology at 5-7%

#### Parts

Rockets, Panels, Hydraulics, Commercial Assemblies

#### Material

Aluminum (7000 series), Titanium, and Steel

#### Operational details

CNC Lathes, Vertical Machining Centers, and Surface Grinders - Milling, Boring, Tapping, Reaming, and Grinding

#### Customer requirement

Primary concern was rancidity control and sump life. The customer was also investigating ways to increase machine uptime and production rates.

#### Customer benefit

The company was previously using a competitive semi-synthetic product. CIMTECH 310 with InSol Technology was monitored for 3 months able to extending sump life while providing less fluid maintenance and no “biological smell.” In addition, the customer was pleased with the lower make up rates, no foam, and overall machine cleanliness without the product degrading.

CIMTECH 310 with InSol Technology also allowed for lower misting and cleaner running while providing better part finishes in surface grinding operation.