

CIMTECH[®] 320Z with InSol[™] Technology



What is InSol[™] 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 320Z with InSol Technology at 8 %

Parts

Various Aerospace and Defense

Material

Aluminum (6000 and 7000 series), Cast Aluminum, and Steel

Operational details

CNC Lathes and Vertical Machining Centers - Drilling, Milling, Tapping (Cut and Roll), and Turning

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 soluble oil product. CIMTECH 320Z with InSol Technology was able to extend sump life by eight weeks while providing less “fluid maintenance.” In addition, the customer was pleased with the lower make up rates and overall machine cleanliness this product provided.

CIMTECH 320Z with InSol Technology also allowed for higher cutting speeds leading to increased productivity while providing better part finishes and tolerances.

