

HY-SPEED MACHINING GRANTS PASS, OREGON

TRIM® MicroSol® 690XT

Cuts to the Chase



General Manager Mike Mills, Sr.

INNOVATIONS
FOR LONGER SUMP
AND TOOL LIFE



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Seeing flawless parts and dramatic results with TRIM® MicroSol® 690XT premium microemulsion.

Experiencing huge savings in time and costs.

For more than 30 years Hy-Speed Machining has been producing quality, precision-machined parts primarily for the commercial and military aerospace industry.

They had tapping issues on their CNC and lathes- having to program stops in order to manually add tapping fluid. And to go from water soluble synthetic for aluminum to a straight cutting oil for Inconel®, they had to stop production and clean the machines to make the switch.

They ran a trial on MicroSol 690XT and found dramatic results. They no longer needed to waste time switching from straight oil to coolant to run different metals because the MicroSol 690XT did it all- whether milling, turning, or tapping 6061 or 7075 aluminum, steel, 316 stainless, 17-4, 440C heat-treated stainless, or Inconel.

"We ran some tapping tests," General Manager Mike Mills, Sr. notes. "We went from 2-56, 4-40, 6-32, to 8-32 form taps to tap 30 holes each in a block of 6061 aluminum- without any issues or need for tapping fluid at all- same tap no changes in speeds and feeds. Then "we tapped 17-4 stainless on the lathes with it without any extra tapping fluid. MicroSol 690XT has increased the life of our taps dramatically, decreased our machine downtime, and improved our production rates."

MicroSol 690XT provided impressive results from the start. First, they ran a small, 100-piece Inconel job. Rather than having to switch their cutoff tool every 5 pieces, they ran the whole job without changing it. With the flat-bottom, carbide drill going 800 thousandths deep, they ran all the parts on one drill - rather than changing the drill for every 10 pieces as in the past. Mills says MicroSol 609XT proved to be "a dramatic improvement, cutting is just incredible, and on that small job alone we saved about \$3,000 on tooling costs." And that's just one job!

Additionally, with the switch to MicroSol 690XT, Mills mentions that the floors and machines are free of sticky residue and the operators have had no problems with dermatitis.

The switch "saves us a lot over a year," says Mills. Hy-Speed Machine continues to run strong with MicroSol 690XT and could not be more impressed with the difference to their bottom line.

Peak your performance and profits with MicroSol 690XT.

Check out Mike Mills, Sr.'s video testimonial at <https://2trim.us/v/?v=420>.

For more video interviews from our customers about MicroSol 690XT performance, visit our web site at: www.microsol-690xt.com

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