



Apollo Machine - Toshiba VMC 85

PROJECT:

Retrofit of a Toshiba VMC 85

CUSTOMER:

Apollo Machine and Welding Ltd.: Edmonton, Alberta Apollo Machine services the oil field and gas industry with production inventory consisting primarily of directional drilling tools, shocks, jars, wellhead equipment and flow measurement and flow control equipment.

OVERVIEW:

Team Machine has a long history with Apollo Machine, performing all their major service work including laser and calibration and machine moves. Team had also previously retrofitted two European lathes and was now asked to retrofit Apollo's Toshiba VMC 85.

While Apollo Machine regularly purchases new technology and hi-tech machine tools, they have a stable of core machines that they

maintain for critical processes. The Toshiba VMC 85 was one such machine. This vital and reliable machine tool was well worth restoring, and once CNC and hi-tech components were added, the overall quality and production ability of the machine was elevated to an unparalleled level.

PROJECT MILESTONES:

The VMC 85 was dismantled and shipped to Team Machine's facilities in Mississauga where the machine was completely retrofitted. Team undertook a complete refurbishment of all electrical, mechanical and hydraulic components, integrating Fanuc 32.I CNC applications.

Once run-offs were approved, Team dismantled the VMC 85, shipped it to Apollo and installed the newly refurbished machine.

PROJECT OUTCOME:

Team Machine completed the retrofit of the VMC 85 within Apollo's time frame and budget.

In addition to the integration of CNC and hi-tech components, The VMC 85's core components were all restored as well, resulting in a machine that not only ran far better, but also ensured the continued reliability of Apollo Machine's valuable asset for years to come.

