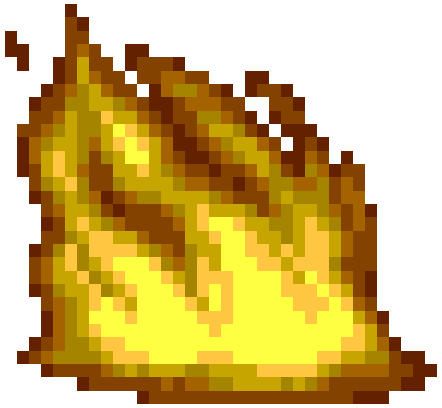
Sovereign Tech
PURE EXCELLENCE

Steel Machining ~ Enhanced Productivity & Sustained Reliable Process

95% of the Energy consumed in Metal Cutting is converted into Heat which can raise the Temperature at the Point-of-cut causing a Serious Concern !



Heat dissipation & Good Lubricity are of Prime Importance in High Speed Machining

Sovereign Tech
PURE EXCELLENCE

Customer Concerns

- Neat Oil overheating
- Neat Oil overflow from the conveyor tank
- Poor Housekeeping
- Wastage of Oil
- Machine downtime
- Energy intensive process

Appreciable Energy Saving

Customer monitored the current drawn by the following three Units on hourly basis for a week;

Makino Slim with Chiller – Avg. R Y B – 11.13

Makino Slim with existing Filter Unit – Avg. R Y B – 5.083

Makino Slim with Sovereign Fortune Force – Avg. R Y B – 2.49

Sovereign Tech
PURE EXCELLENCE

Mission Accomplished

Rewarding Results :

- No overheating of Neat Oil.
- Consistent Cp/CpK results.
- Energy efficient process.
- Consistent dimensional stability
- Improved Housekeeping
- Nil rejection & reworks.
- Increased Machine uptime leading to higher productivity

Sovereign Tech
PURE EXCELLENCE

Sovereign Fortune Force at Reputed Fuel Injection Pump Manufacturer on Makino CNC