

## Cast Iron Machining ~ Enhanced Productivity

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

## Component: Rear & Front Case



Finished Component RC

Finished Component FC



## **Rewarding Returns**

Cut time Reduction by 34%

Effective Cycle Time Reduction by 22%

Pay Back period : less than 8 months

Additionally

Improved Tool Performance & Life

Greater Energy + Resource Efficiency.

## Higher Productivity ~ Energy Efficiency

Operations	Diameter	% Reduction in Cutting Time	% Spindle Load
Drilling	22.5	66.90	<15
Drilling	18.5	60	<20
Drilling	10	61.54	<20
Drilling	6.8	35.38	<10
Reaming	18.95	74	<15
Rough Boring Bar	37.4	65.71	<10
Rough Boring Bar	72.27	62.86	<20
Milling	32	80	<10
Milling	50	20	<10
Milling	32	50	<40

Minimal spindle load = Stress-free Machining!

## Sovereign Fortune Force at Reputed Earth Moving Manufacturer on Makino CNC

