

## Centerless Grinding - Enhanced Wheel and Dresser Life

## Application Details

- **Application:** Centreless Grinding
- **Grinder:** Cincinnati
- **No. Of machines:** 6 No.
- **Material:** Steel
- **Coolant:** Water based emulsion
- **Total flow rate:** 150 LPM

## Customer Concerns

- Poor Grinding Wheel Life
- Poor Coolant Life
- Frequent tank cleaning
- Rusting of Components

## Upgradation in Filtration

- Sovereign KBF 1002/1040 for fine Coolant Filtration.
- Application specific filter media



## Benefits Achieved after implementation

	<b>Before (No. of components)</b>	<b>After (No. of components)</b>
<b>Rough Grinding</b>		
Grinding Wheel Life	150000	300000
Dressing Frequency	After 1500	After 5000
<b>Finish Grinding</b>		
Grinding Wheel Life	180000	720000
Dressing Frequency	After 2500	After 10000

## Additional Benefits

### **Benefits achieved by upgrading the Filtration system**

- Additional component produced per month due to reduced Dressing and Wheel Change – 3200 Approx.
- Reduction in the Power Drawn by the Grinder
- Enhanced grinding wheel life
- Superior surface finish
- Optimum coolant consumption
- Overall Reduction in Coolant Cost