



# Central Grinding Filtration System

*2800 GPM Carbide Grinding with Oil  
In-Ground Tank - 200 PSI VFD Pumps.  
Servicing 48 Grinding Machines.*



(3) 900 square foot filters and (3) sludge receivers designed with future expansion.



Separate filter pumps and precoat hoppers allowing for full system redundancy



100 HP Clean Pumps with VFD Drives designed with a common manifold, check valves, and service shutoff valves for each pump.



Control Panels with Color HMI Touch Screens, Data Logging, VFD Drives and Air Conditioners



Tel: (734) 744-6446  
Livonia, Michigan  
[www.Filtertechno.com](http://www.Filtertechno.com)



# Central Grinding Filtration System

*CBN Grinding - M2 Steel Grinding  
Anca, Walter & ITM Grinding Machines.*



400 Square Foot Filter, Sludge Deliquefier with Above Ground Clean & Dirty Tanks and HMI Control Panel.



350 GPM @ 300 PSI VFD Controlled Vertical Clean Pumps.



In-Ground Dirty Pump-Back Sump Return System with Standby Pump.



In-Ground Dirty Pump-Back Sump System Pit Installed with Closed Piping Returns.



In-Ground Machine Dirty Returns to Pump-Back Sump



**This customer reports a minimum monthly saving of \$10,000 in wheel cost alone with an increase of 25% machine uptime as a result of the filter.**



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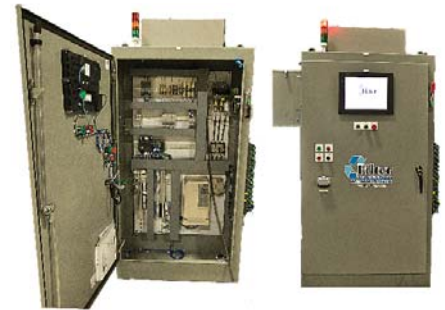


# *Central Grinding Filtration System*

*Aerospace Centerless Grinding  
for up to 80 grinding machines.*



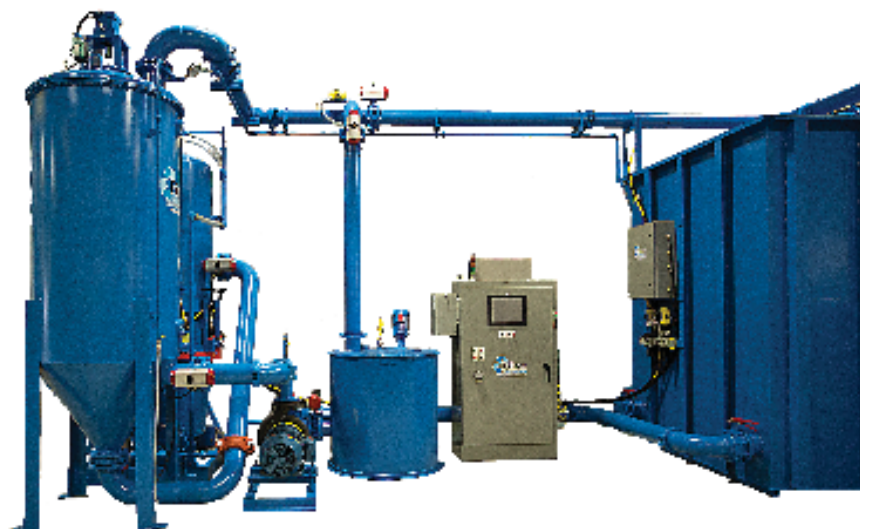
700 GPM System with Above Ground System Tank, Clean Pumps, Filter, Sludge Deliquefier and Controls.



Control Panels with Color HMI Touch Screens, Data Logging, VFD Drives and Air Conditioner.



VFD Driven Multiple Clean Pumps with Standby Pump.



900 Square Foot Filter, External Precoat Tank, Controls



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# Central Grinding Filtration System

Silicon, Ceramic & Carbide Grinding for Multiple Machines.



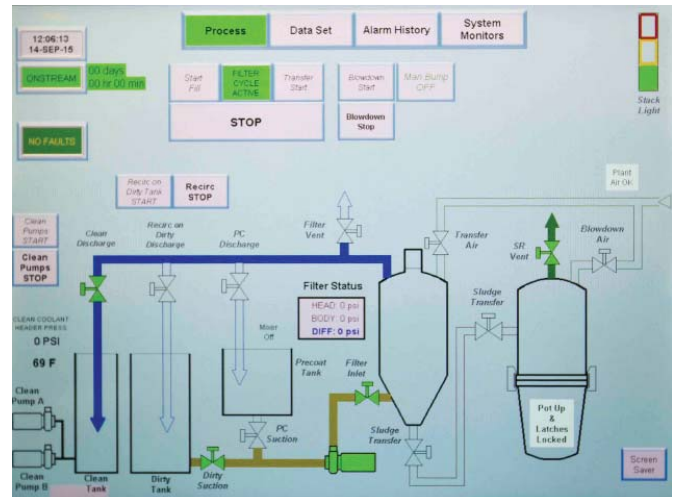
300 GPM System with System Tank, Precoat Tank, VFD Multiple Clean Pumps, Filter, Sludge Deliquefier and Controls.



VFD Controlled Multiple Clean Pumps for Full Redundancy.



Cylindrical Clean & Dirty Tanks with Automatic Internal Tank Flush, VFD Clean Pumps, and HMI Control Panel with Air Conditioner.



HMI Colored Touch Screen Controls Indicating Cycle Times, Flow, Pressures & Temperature of the fluid.



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# Quench Oil Filtration System

## Heat Treating Quench Oil



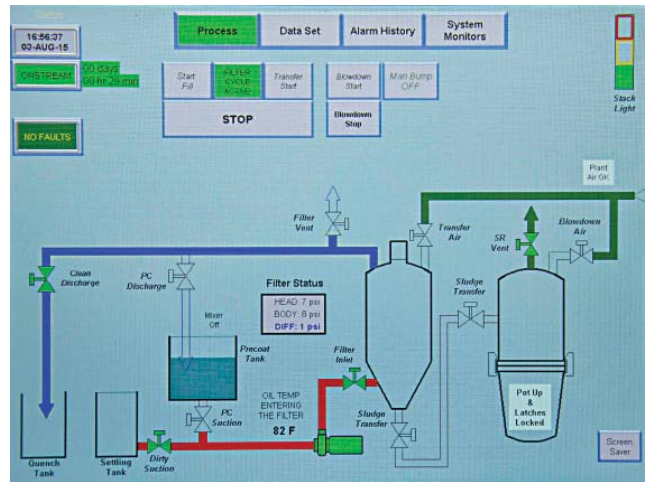
85 GPM System with Filter, Sludge Deliquifier Precoat Tank and Control System.



Hot Quench Oil Filtered to Below 5 Microns Clarity.



120 Square Foot Filtration System Installed and operating on an automated oil quench system.



HMI Colored Touch Screen Controls Indicating Tank Levels Cycle Times, Flow, Pressures & Temperature of the fluid.



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