

The REGEN

High Performance Regenerative Filtration



Super Clarity below 5 Micron

All grinding and abrasive fines removed from the oil allowing for 100% clean oil at the wheel.

- Increase production
- Longer wheel life
- Less labor
- Reduce downtime
- Better machine tool life
- Recycling

Applications -

Centerless Grinding Super Alloys, Flute Grinding, Ceramic, Carbide, HSS, Super-Finishing, Honing, Z-Mill Rolling - Gold, Beryllium, High Polish Stainless.



Self-Cleaning Filter Elements - Without the need for backwashing or back-flushing.

Regenerative Filtration - Filter Technology has developed the Automatic Regeneration Cycle or **ARC** that allows reuse of the filter aid multiple times before it is completely spent. This means longer filter cycles, reduced maintenance and less downtime.

Dry Sludge - Easy sludge disposal. The fluid is separated from the sludge and recovered back to the tank while the dried sludge remains in the removable pot for clean and quick disposal. Environmental & disposal cost are greatly reduced when the sludge is in a dry solid form. Valuable metals are easily recovered from the filter cake.



Single filters or complete central filtration systems. Filters, sludge deliquifiers, tanks, pumping system, HMI controls.



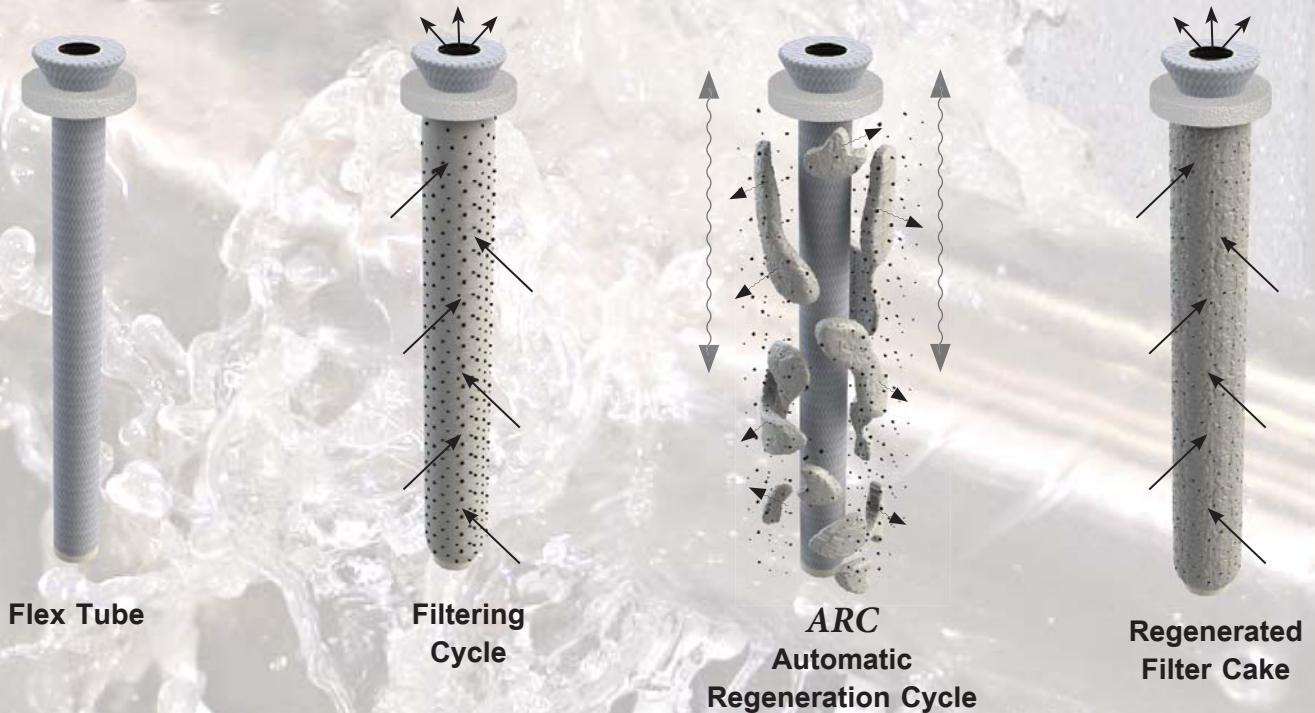
Central filtration system servicing 80 centerless grinding machines on aerospace alloys.

The *REGEN*

Automatic Regeneration Cycle

Our proprietary Flex-Tube is designed to be self-cleaning and eliminate blinding, clogging and bridging. The performance of our filters will enhance any application where fine filtration and super fine finishes are a must.

The **Auto Regeneration Cycle or ARC** allows for the filter cake to be used multiple times before it is completely spent. This means longer filter cycles, reduced maintenance and less downtime.



As the dirt accumulates and skins over the outer surface the pressure drop across the tube increases while the flowrate decreases due to the restriction.

At a predetermined differential point the **ARC Cycle** is initiated.

The blinded filter cake is removed or **Bumped** from the Flex-Tube, the dirt is redistributed throughout the filter cake exposing the unused precoat and is redeposited back on the tube resulting in pressures approaching the initial value.