



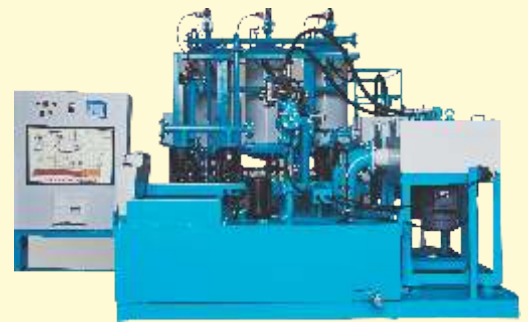
Innovation

Filter System

Micropure Disc Filtration Edge Filtration System



'120 lpm carbide grinding filtration system at Aayudh Tools, Aurangabad'



'160 lpm aluminum grinding filtration system at Nirlep Engineering Ltd, Aurangabad'

Edge Filtration technique was initially used to clean transformer oil, by the Industry. Advancements in paper technology with additives to strengthen the disc life has enabled the industry to use this technique for machine tool applications.

Further upgradation is done by using dry compressed air to backwash paper discs. The estimated life of reusable paper discs is 6000-8000 working hours, which is very economical and also eco-friendly.

As there is no requirement of addition of **Pre-coat** materials such as DE, cellulose etc. the system becomes highly eco friendly and cost effective as there is no recurring cost of such material.

This system is very effective for high purity of micron particulate filtration (3 – 5 micron) and can be used for low viscosity oils such as Neat cutting oil, Honing oil, Kerosene, Diesel, EDM oil etc.

Some of our Proud Installations



Honing Machine
Bajaj Auto



EDT Filtration - Waldrich Siegen
Machine (Bhushan Steel)



Centralised System at SKF

Salient Features

- Edge filtration with the help of paper discs, backwashable
- **No addition of pre-coat material**, no consumable cost
- Increase in coolant life
- Life of paper disc up to 8000 hrs, & more
- 3 – 5 micron filtration, concentration of particulate less than 10 ppm.

Application

- Suitable for Carbide Grinding, Honing Oil, Kerosene, EDM Oil, Oil for Super finishing & Burnishing Machines
- Dedicated Systems for Single Machine
- Centralised plants.
- Retrofitting to existing systems.
- Manual, Semi Automatic / Automatic Operations with PLC based actuators.
- Backwashing by using dry compressed air.

Our esteemed customers for carbide grinding

- Aayudh Tools – ANCA Carbide Grinding
- ATC Tools, Chennai – Walter Carbide Grinding
- Hittco Tools, Bangalore – Rollomatic Carbide Grinding
- Bargir Tools, Pune - TGT Carbide Grinding
- Rohit Industries, Haryana - Carbide Grinding
- Carbide Cutting tools, Kolkata - Carbide Grinding
- Sandvik Asia Pvt Ltd

Our esteemed customers for honing, lapping and aluminum grinding

- SKF Bearings, Pune & Haridwar- Centralised honing system
- Bajaj Auto Ltd. Chakan & Waluj – Valve Seat Valve Guide Honing
- Bosch Chassis (MICO), Nashik - Lapping Machine
- Bhushan Steel, Khopoli – EDT (Electro Discharge Texturising Machine) EDM Oil
- Nirlep Engineering- Aluminum Grinding

Some of our esteemed customers



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