



# CENTRALIZED FILTRATION SYSTEM

Fully Automatic Systems  
for Machining Operations



Efficient  
multi-stage Filtration



Customized design  
for your application



Excellent surface  
finish for products



# Centralized Filtration System

A common filtration system that caters to a group of machines or the complete shop.

Span central coolant filtration system is designed to supply clean coolant to the machine tool at optimum pressure, flow rate, temperature, and clarity required for each operation. The system is fully automatic, with human interference limited to preventive maintenance.

The contaminated fluid is collected in the dirty tank of the system. Here, it passes through a rotating mesh drum and the chips are separated on the outside. Clean fluid is then passed into a clean tank. A pump fitted to the clean tank supplies the clean fluid to the machines at the right pressure. Span's central coolant system comes with an indexing drum module, which can be removed for inspection without draining the system.

## Benefits



Maintains uniform coolant concentration for all machines



Increased coolant sump life



Reduced number of failure modes improved productivity



Increased area for shop floor

## Features

- VFD controls reduce flow requirement
- Fully automatic operation
- No disposable filter media
- Easy to operate and maintain

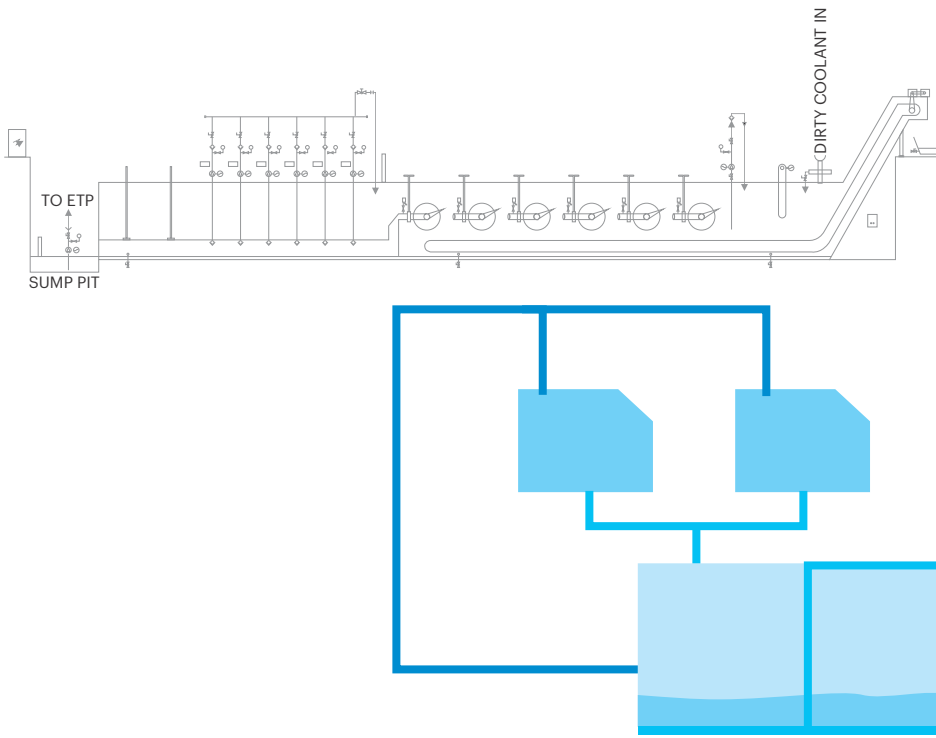
## Centralized filtration system for



Grinding Pressure Filter



Grinding Vacuum Filter



- Contaminated coolant enters the scraper conveyor via the trench.
- The continuously operating conveyor removes the bulk of the chip load.
- Metal chips are stripped out by the filter element as the coolant passes through.
- The suction, which draws the coolant through the element, holds these chips on the surface of the wedge wire screen.

## Technical Specifications

Pump	Flow (LPM)	Head (MTR)	Motor	Qty.	Working Load	Stand-by Load	Working Status
					KW	KW	
Supply Pump	3000	50	50HP (37KW) 2900PRM	06	185	37	5W+1ST. BY
Superclean Pump	600	30	7.5HP (5.5KW) 2850PRM	03	11	5.5	2W+1ST. BY
Weekend Pump	300	20	3HP (2.2KW) 2900PRM	01	2.2	-	1W
Sump Pump	200	20	2HP (1.5KW) 2850PRM	01	1.5	-	1W
Chilling Circulation Pump	1200	20	7.5HP (5.5KW) 2900PRM	02	5.5	5.5	1W+1ST. BY
Drain Pump	1200	25	7.5HP (5.5KW) 2900PRM	01	5.5	-	1W
Conv. Motor	-	-	2HP (1.5KW) 1500PRM	01	1.5	-	1W
Oil Skimmer Motor	-	-	0.16HP (0.12KW) 1400PRM	02	0.24	-	2W
Compact Band Filter Motor	-	-	0.16HP (0.12KW) 1400PRM	02	0.24	-	2W

Filtration System. Total Connected Load = 213KW + 48KW = 261KW = ~300KW

# Exports Worldwide



- Bangladesh
- Thailand
- Dubai
- Malaysia
- Thailand
- Philippines
- Pakistan
- Nepal
- Nigeria
- Ethiopia
- Vietnam
- Kenya
- Turkey
- Russia
- South Africa
- Tanzania
- Mexico
- Columbia
- China
- Germany
- Myanmar



- Distinguished expertise in industrial filtration
- Pioneer and proven range of fluid filtration systems from 25 LPH to 25,000 LPH
- 5 Manufacturing Plants, Team of 100+ Engineers & Technicians



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