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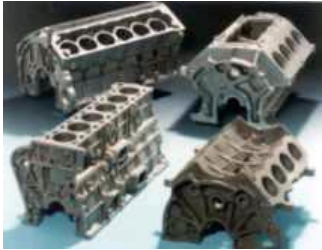
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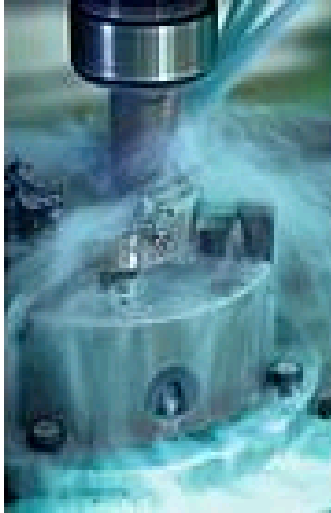
## Industry & Applications / Coolant filtration



### **Automotive industry**

- Truck Industry (e.g. Daimler, Scania)
- Car Industry (e.g. Volkswagen AG, Audi AG, BMW, Daimler)
- Suppliers (e.g. Bosch, Conti Teves)

*Centralized coolant filtration and regeneration various filtration solutions for all wet processes ▪ Filtration of lacquer ▪ Briquetting of metal swarf and grinding slurry ▪ Recycling Management*



### **Metal working industry**

- Bearing industry (e.g. INA, FAG, SKF)
- Valve industry (e.g. Eaton, Mahle)
- Gears, brakes etc. (e.g. ZF, Zwilling)

### **Machine tool industry**

(e.g. Plansee, Chiron)

*Coolant filtration and regeneration for turning, drilling, milling and grinding processes ▪ Individual filtration applicaitons ▪ Briquetting of grinding slurry and metal swarf ▪ Recycling Management*

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### **Metal machining industry**

- Plating industry (e.g. Andritz, Grohe)
- Electroplating industry (e.g. Airbus)
- Painting industry (e.g. Dürr, Eisenmann)

*Recycling of process media ▪ Product filtration ▪ Paintshop filtration*

### **Aviation industry**

- Turbine manufacturer (e.g. Rolls-Royce, MTU)
- Aircrafts, Helicopter (e.g. Eurocopter, EADS)

*Filtration and recycling of process media ▪ Vacuum transportation and briquetting of metal swarf ▪ Recovery of oil and emulsion*



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# Industry & Applications / Coolant filtration



## Rolling-Mill and Steel industry

- Rolling mill manufacturer (e.g. Sundwig, Danieli Fröhling)
- Rolling and steel industry (e.g. Sandvik, Arcelormittal)

*Filtration of rolling oil and emulsion ▪ Filtration systems for surface treatment*



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## Reference Customers



Mercedes-Benz



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## Bosch-Supplier Award



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# Product Overview

## BeltLine, Belt Filter Plants:

- Gravity Belt Filters / steel / stainless steel
- Vacuum Filters
- Pressure Belt Filters
- Folding Belt Filters

**AFB**  
**FUF**  
**DBF**  
**KBF**

## Cart Line, Cartridge Filter Systems:

- Precoat Filters
- Regenerable Microfilters
- Backflush Filters

**AS**  
**RMF**  
**RSF**

## BasicLine, Pressure Filter Systems:

- High Efficiency Filters

**HF**

## Specials:

- Magnetic Separators
- Magnetic Chain Separators
- Hydrocyclone Units
- Dosage Units

**MA**  
**MSA**  
**HZA**  
**FD**

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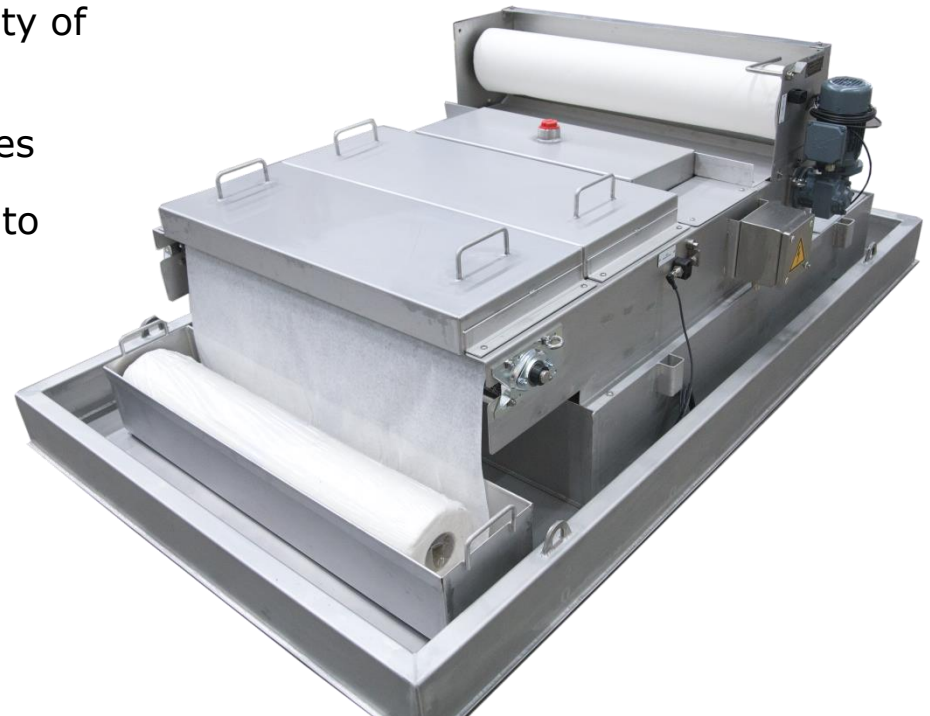
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# FAUDI Gravity Belt Filter Type AFB

## Product information

- Automatical and continuous working cleaning station
- Simple filtration principle for a variety of processes
- Temperature ranges up to 80 degrees
- Construction series from 0.3 m<sup>2</sup> up to filter areas of 11 m<sup>2</sup> are possible
- Filtration degrees up to 30 microns



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# FAUDI Vacuum Belt Filter Type FUF

## Product information

- Endless operation or operation with non-woven fabric
- 0,7 up to 40m<sup>2</sup>
- up to 25.000 l/min
- filter fineness up to 20 microns
- compact and modular design
- easy to operate
- wear-resistant
- low-maintenance



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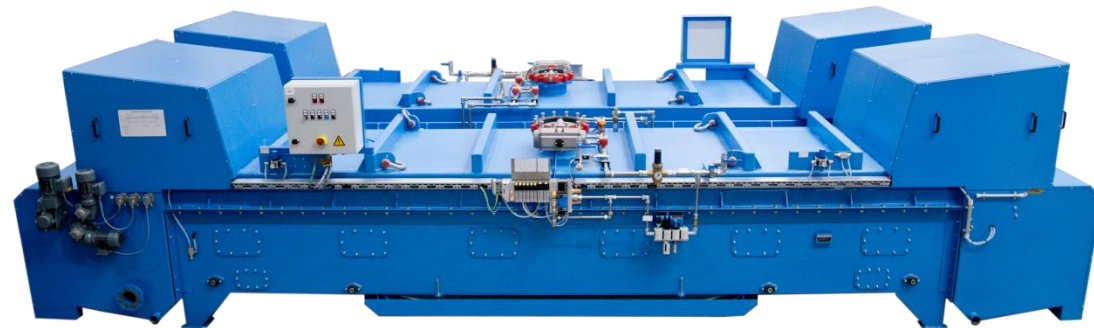
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# FAUDI Pressure Belt Filter Type DBF

## Product information

- choose either with or without filter aid
- filter fineness: 5 - 10  $\mu\text{m}$
- filter surface area: 3.0 - 6.0  $\text{m}^2$  per filter
- filter material: belt and nonwoven combination, belt
- medium: oils and machining emulsions
- large throughout capacity
- use of different synthetic filter belts is possible
- high cost-effectiveness



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# FAUDI Folding Belt Filter Type KBF

## Product information

- choose either with or without filter aid
- filter fineness: 5 - 10  $\mu\text{m}$
- filter surface area: 1.0 - 2.5  $\text{m}^2$  per filter
- filter material: belt and nonwoven combination, belt
- medium: oils and machining emulsions
- large throughout capacity
- use of different synthetic filter belts is possible
- high cost-effectiveness



# FAUDI Precoat Filter Type AS

## Product information

- automatic working cleaning systems for oil and electroplating applications
- filter surfaces up to 85 m<sup>2</sup>/filter
- use of cartridges of plastic or stainless steel
- low-wear
- modulare type of construction, in compact design, as well
- user-friendly and low-maintenance
- filter finenesses up 3 microns



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# FAUDI Regenerable Microfilter Type RMF

## Product information

- automatic working cleaning systems for oil
- filtration without using filter aids due to **patented RMF - technology**
- alternative to classic precoat filtration
- modular construction, also as compact system available
- easy operation and handling, very low maintenance
- filter fineness up to 5 microns
- filter surface up to 80 m<sup>2</sup>/filter



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# FAUDI Backflush Filter Type RSF

## Product information

- automatic working cleaning station for coolant-oil, emulsion and water
- filtration without using filter aids
- filter material: slotted tube or filter cartridge, wire mesh
- wear resistant



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# FAUDI High Efficiency Filter Type HF

## Product information

- due to parallel connection of several filter discs within a limited space a large filter area can be achieved
- due to a low flow rate inside the filter long service life can be achieved
- filter fineness from 5 to 300 microns



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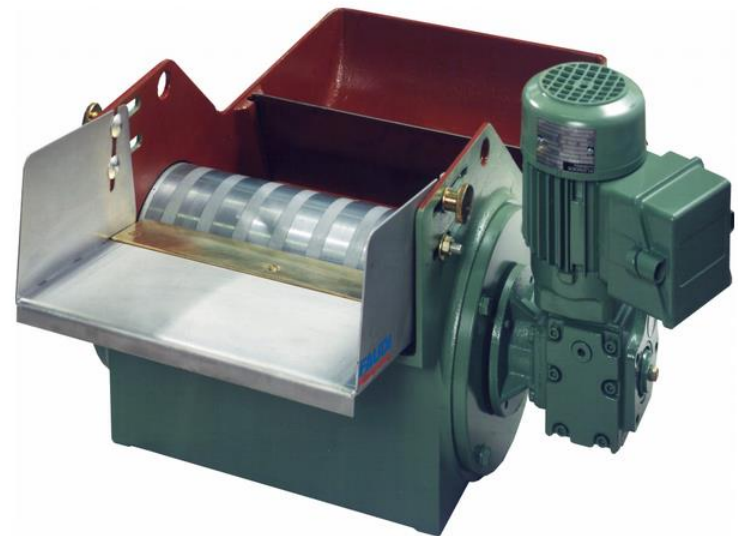
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# FAUDI Magnetic Separator Type MA

## Product information

- Automatic and continuous working cleaning station
- high, permanent magnetic forces separate contaminations and dirt particles
- compact design
- wear resistant
- available in steel and stainless steel
- low maintenance
- flowrates: 20 l/min up to 1,500 l/min



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# FAUDI Magnetic Chain Separator Type MSA

## Product information

- automatic working cleaning station for coolant-oil, emulsion and water
- high and permanent magnetic forces separate ferritic, contaminated liquids and dirt particles
- compact design
- wear resistant and low maintenance
- filtration without using filter aids

## Possible applications:

- cold rolling
- at abrasive, milling or non-cutting processes of steel
- iron machining
- cleaning of sintered water



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# FAUDI Hydrocyclone Units Type HZA

## Product information

- Separation of particles with different sizes and forms from liquids
- For processing of a wide variety of different machines: grinding machines, machining centers, transfer lines, wire-drawing machines, parts washing system,...
- separation size – 5 microns reachable
- no moving parts
- space saving, compact construction
- economic (no filter aid)
- low maintenance



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# FAUDI Dosage Unit

## Product information

- 4 sizes available (FD125, FD400, FD1000 and Big Bag)
- robust, durable but compact design
- large feed opening and low filling height enable high user-friendliness
- vertical walls in the storage container avoid bridging during the dosing process
- forklift straps allow easy access to hard-to-reach areas
- ATEX-execution available



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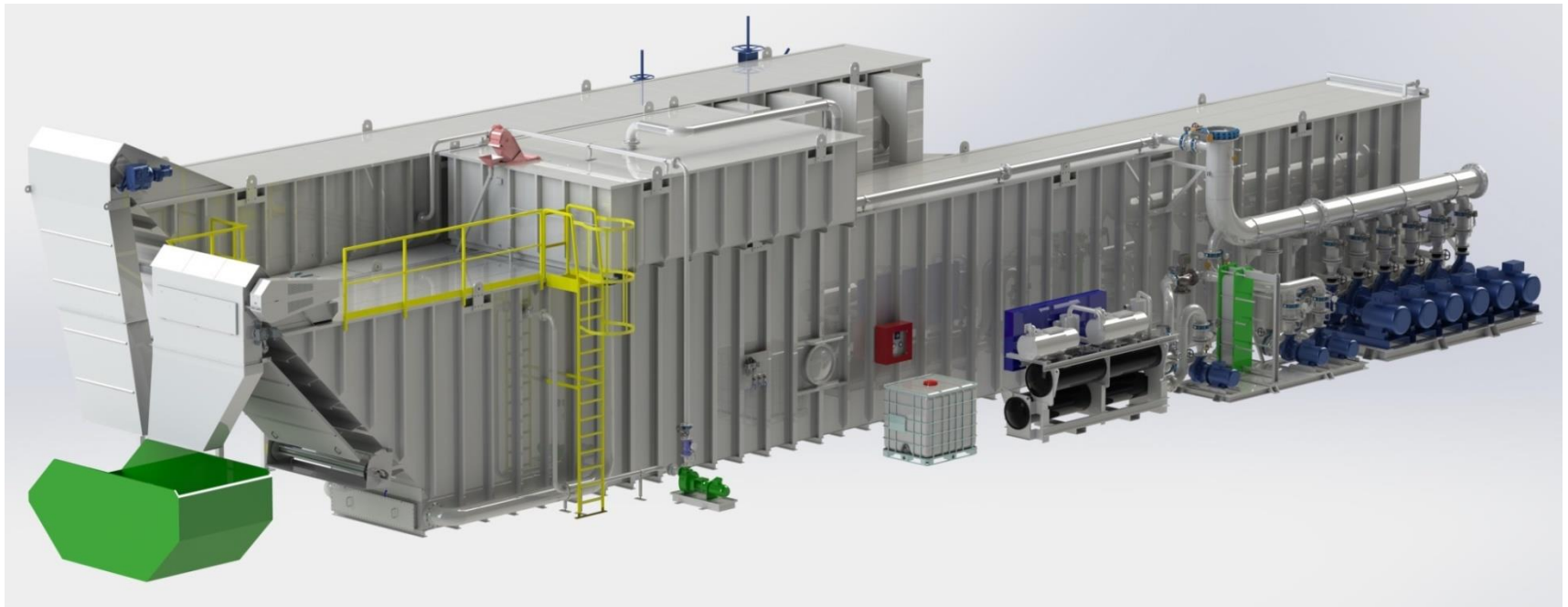
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## References... GROB-WERKE GmbH, Mindelheim (Vinfast/Vietnam)

Type of filter:	FAUDI-Vacuum Filter, type FUF 44
Medium to be filtered:	emulsion (8-10%)
Type of operation:	turning, drilling, milling
Flow rate:	21.511 l/min



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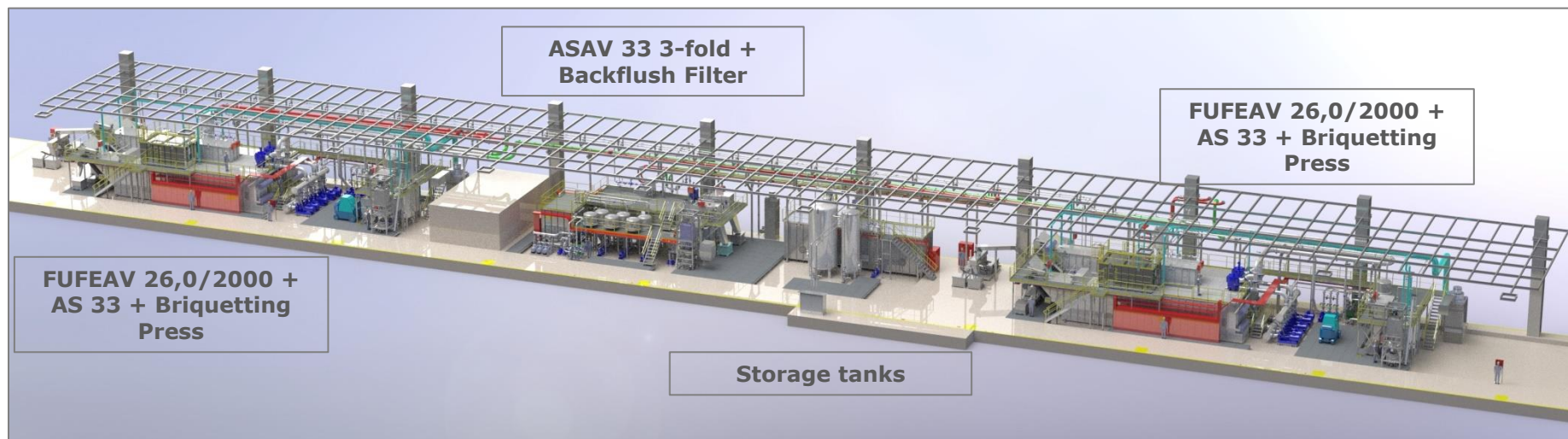
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# References... Mercedes-Benz Manufacturing, Poland

*largest single project in company history*

➡ *Invest volume > € 12 million*



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## References... MAHLE Polska Sp. z o.o.

Type of filter:	FAUDI-Precoat filter, type AS34-2 (4-fold)
Medium to be filtered:	grinding oil
Type of operation:	grinding of steel
Flow rate:	3.000 l/min



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# References... F. Wilhelm Breuer GmbH & Co. KG, Solingen/Germany

Type of filter:	FAUDI-Vacuum filter, type FUF 15,0/1500
Medium to be filtered:	grinding emulsion
Type of operation:	grinding of steel
Flow rate:	4.500 l/min



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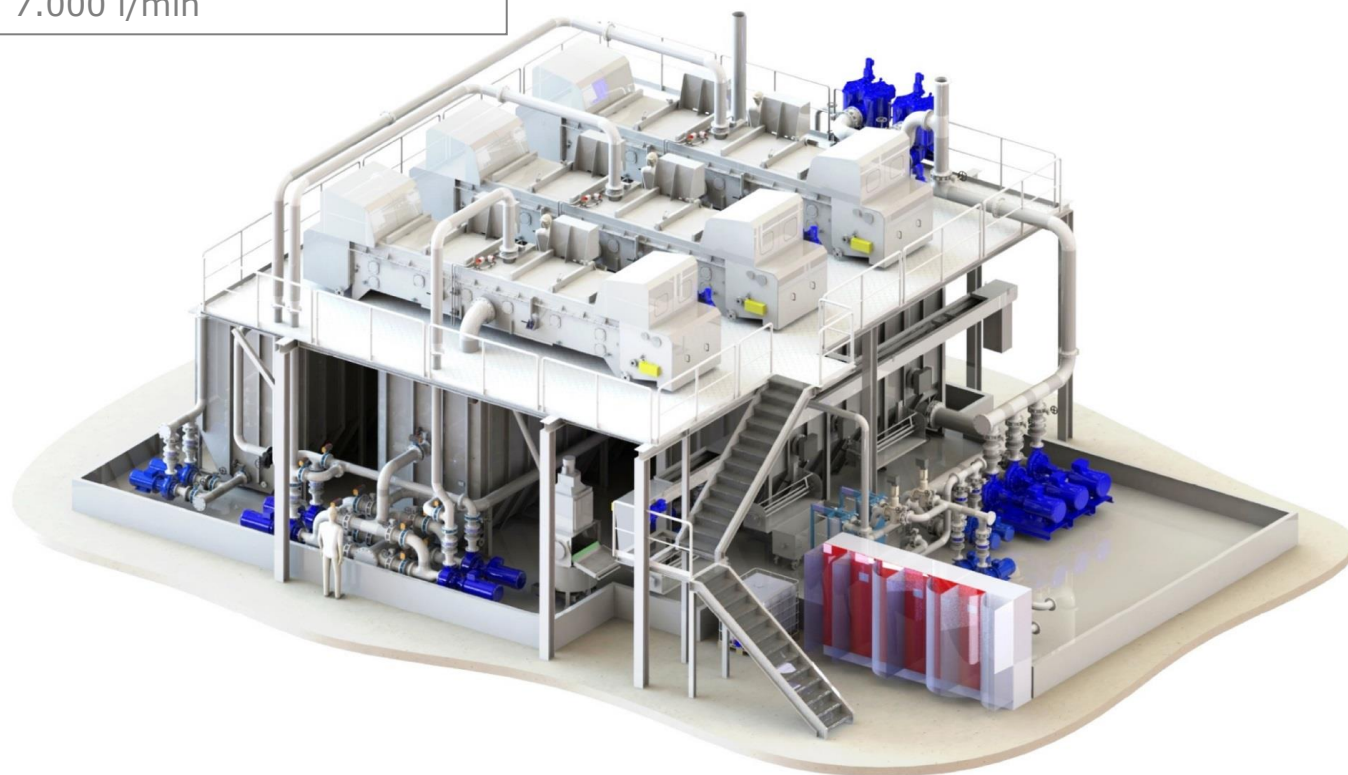
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# References... Volkswagen, China

Type of filter:	FAUDI-Pressure belt filter, type DBF 6,0
Medium to be filtered:	oil
Type of operation:	grinding
Flow rate:	7.000 l/min



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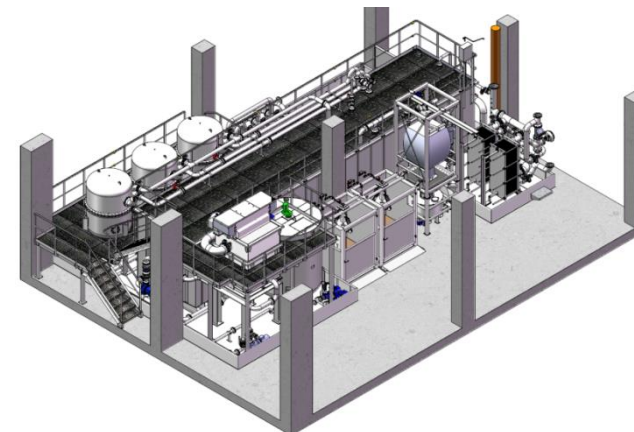
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# References... Volkswagen, Baunatal/Germany

Type of filter:	FAUDI-Precoat filter, type AS 40 – 3-fold
Medium to be filtered:	honing oil
Type of operation:	honing
Flow rate:	4.000 l/min



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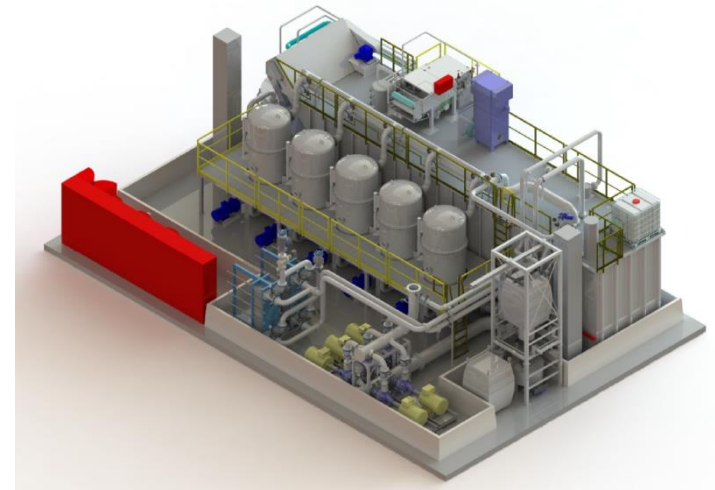
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# References... MTU, Poland

Type of filter:	FAUDI Precoat filter, type AS 50 AV double (5-fold)
Medium to be filtered:	oil
Type of operation:	grinding of steel, stainless steel and cast iron
Flow rate:	9.000 l/min



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## References... Feuer Powertrain, USA

Type of filter:	FAUDI-Precoat filter, type AS 42 – 4-fold
Medium to be filtered:	grinding oil
Type of operation:	grinding
Flow rate:	8.800 l/min



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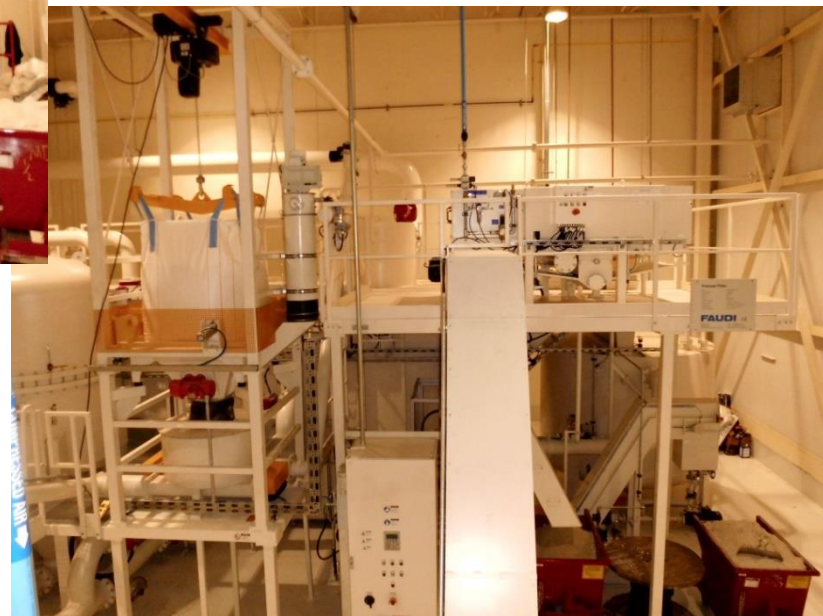
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## References... Feuer Powertrain, USA



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# References... NTN SNR, Romania

**Project A01033-14**

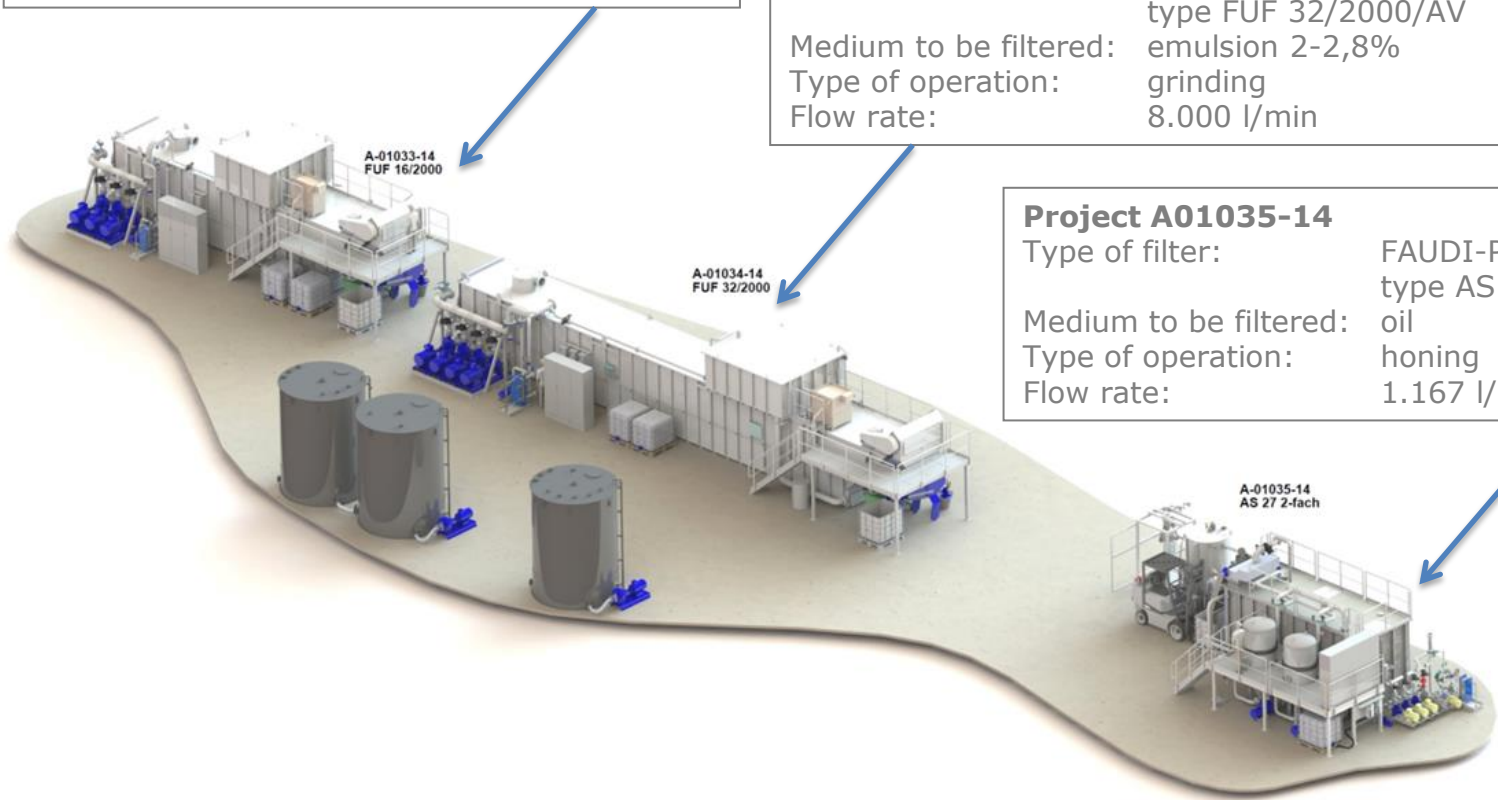
Type of filter: FAUDI-Vacuum filter, type FUF 16/2000/AV  
 Medium to be filtered: emulsion 3-5%  
 Type of operation: grinding  
 Flow rate: 4.000 l/min

**Project A01034-14**

Type of filter: FAUDI-Vacuum filter, type FUF 32/2000/AV  
 Medium to be filtered: emulsion 2-2,8%  
 Type of operation: grinding  
 Flow rate: 8.000 l/min

**Project A01035-14**

Type of filter: FAUDI-Precoat filter, type AS 27  
 Medium to be filtered: oil  
 Type of operation: honing  
 Flow rate: 1.167 l/min



# References... SIEMENS VAI, China

Type of filter: 2x FAUDI-Vacuum filter,  
type FUFMV 35,0/2500  
1x FAUDI-Vacuum filter,  
type FUFMV 17,0/2500

Medium to be filtered: oil water emulsion  
Flow rate: 40.000 l/min



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## References... SIEMENS VAI, China

Type of filter: 2x FAUDI Magnetic Rod Separator,  
type MSA 1500  
1x FAUDI Magnetic Rod Separator  
type MSA 7500

Medium to be filtered: oil water emulsion  
Flow rate: 40.000 l/min



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## References... AUDI, Hungary

Type of filter:	FAUDI-Vacuum filter, type FUF 22/2000
Medium to be filtered:	emulsion
Type of operation:	turning, milling
Flow rate:	6.500 l/min



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