

KENFILT

WHO WE ARE

Kenfilt is a worldwide active company in the field of development, construction and manufacturing of filtration equipment and central systems for any kind of coolants used in the different production processes in the Metalworking Industry.

A company founded in 1964 by our Executive President Mr. Jaume Lleal. We are characterized by making high demands of ourselves and having an innovative spirit.

Founded in 1964

WHO DO WE PROVIDE SOLUTIONS TO

We have a highly qualified team of engineers, designers and technicians available to provide the best solution to the engineering requests that we receive from our customers.

37 Countries

OUR PRODUCTS

Our activities consist of the study, design and construction of filtration equipment and accessories for all types of liquids used in the Metal Cutting Industry.

AUTOMOTIVE INDUSTRY



AUXILIAR AUTOMOTIVE INDUSTRY



KENFILT

MACHINE TOOL MANUFACTURERS



MANUFACTURING

We have a strict quality control system in place to carry a complete supervision of all manufacturing stages from start to finish by applying the standard ISO 9001 as well as ISO 14001.

3,500 + Delivered Systems

TOOL MANUFACTURERS



ENGINEERING SOLUTIONS

We have a team of engineers to provide the best solutions to our customers needs by using our knowledge of more than 50 years of experience as well as applying the new technologies to facilitate our customers requests.

50 + Years experience

WATCHMAKING INDUSTRY



TO WHOM DO WE SELL

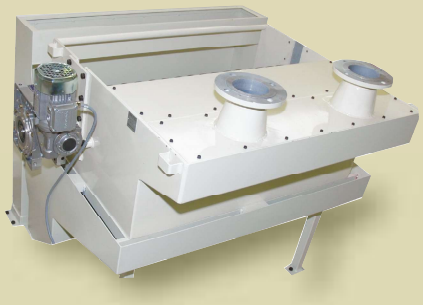
To manufacturers of precision machinery, car manufacturers, the cutting tool industry, the car accessory industry, together with other engineering industries.

KENFILT

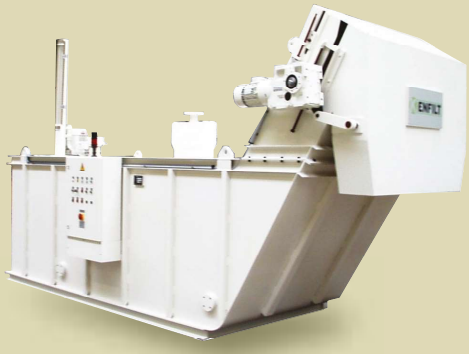
PRE FILTRATION AUXILIARY EQUIPMENT



HYDROCYCLONE SEPARATION (HC)
Cleaning of: Emulsions and synthetic solutions.
Processes: Machining in general, grinding, hot rolling, etc... Were the quality of cleaning needed is not very strict.
Nominal separation quality: 95 – 98% of particles bigger than 5 – 20 μm, with density equal or greater than steel.
Flow: 100 to 15,000 l/min and more.



MAGNETIC SEPARATORS (SM)
Depuration: Emulsions, synthetic solutions and cutting oils.
Processes: Normally used as a pre-separation for stricter filtration systems.
Nominal separation quality: Case by case.
Flow: 20 to 1,500 l/min and more



LAMELLA DREDGE TANK (DL)
Pre filter: Water, synthetic solutions, emulsions, cutting oils, etc.
Processes: Hot rolling, cold rolling, ceramic and hard metal grinding, steel grinding, grinding in general.
Separation efficiency: 90%-95%, of solids in liquid.
Flows: 500 to 30,000 l/min and more.



DRYING SYSTEMS WITH COMPRESSED AIR (CALL)
Systems that dry with compressed air the sludge from a discharge of a precoat filter.
The dried sludge contains approximately 10-20% residual humidity which depends on:
- Type of liquid filtered
- Type of contaminant material
- Type of filter aid

The dried sludge might be disposed easily along with the industrial waste.



SUBMERGED COOLING SYSTEMS (FS)
These cooling equipment have evaporators specially designed to be submerged inside the tank of the liquid to be cooled.
Cooling Power: 2kW to 70 kW



INDUSTRY 4.0
Our systems can be designed for the industry 4.0 gathering data of electric, compressed air, filter aid and coolant consumption to the working data of the systems from pressure, flow, levels, etc.
Each system can be customized to the specific requirements.

FILTRATION SYSTEMS WITH FILTER MEDIA



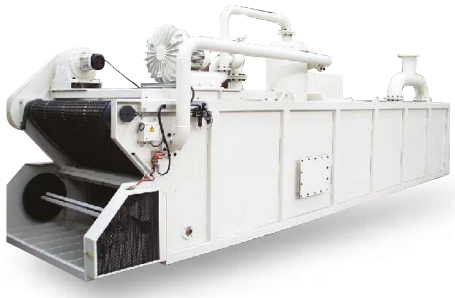
PRECOAT FILTER (FTD)

Filtration: Cutting oils, rolling oils, dielectric oils, hydraulic oils, kerosene, white spirit and other petroleum derivatives, synthetic solutions and micro emulsions.

Processes: Grinding, profiling, grinding grooves, gun drilling, deep grinding of gears, cold rolled, EDM, and other washing.

Nominal Filtration Quality: 5 microns, depending on the type of filter aid used can be 2 microns.

Flow: 30 to 30,000 l/min and more.



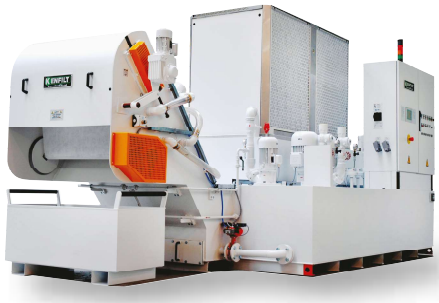
PNEUMATIC VACUUM PAPER BAND FILTER (FIDE)

Filtration: Emulsions and synthetic solutions (occasionally cutting oil).

Processes: General machining, grinding, hot and cold rolling, etc. that needs of a good nominal filtration quality.

Nominal Filtration Quality: 10-80 microns, depending on the type of band filtering.

Flow: 1,000 to 30,000 l/min and more.



HYDRAULIC VACUUM PAPER BAND FILTER (TADE)

Filtration: Emulsions and synthetic solutions (cutting oil for some cases).

Processes: General machining, grinding, hot-rolled, washing, etc., that meets for a medium filtration quality.

Nominal Filtration Quality: Between 30 and 400 microns, depending on whether using a grid or a band filter type.

Flow: 400 to 30,000 l/min



HYDROSTATIC ROTATIVE PAPER BAND FILTER (BPR)

Filtration: Emulsions and synthetic solutions (occasionally cutting oil).

Processes: General machining, grinding, washing, etc., when the quality of filtration required is strict.

Nominal Filtration Quality: Between 15 and 100 microns, depending on the type of filter used.

Flow: 300 to 2,000 l/min.



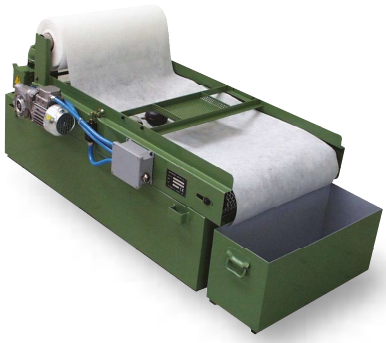
HYDROSTATIC PAPER BAND FILTER (FH)

Filtration: Emulsions, synthetic solutions and washing solutions (Eventually cutting oil).

Processes: Machining in general.

Nominal Filtration Quality: Between 50 and 400 microns, depending on the type of filtration band used.

Flow: 400 to 1,000 l/min.



GRAVITY PAPER BAND FILTER (FG)

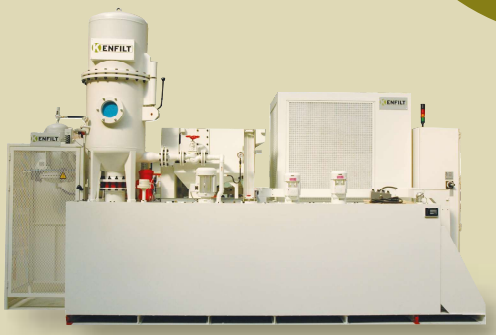
Filtration: Emulsions, synthetic solutions and washing solutions.

Processes: General machining that is required for medium filtration.

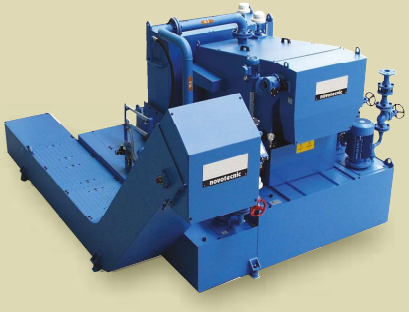
Nominal Filtration Quality: Between 50 and 400 microns, depending on the type of filtration band used.

Flow: 30 to 400 l/min.

FILTRATION SYSTEMS WITHOUT FILTER MEDIA



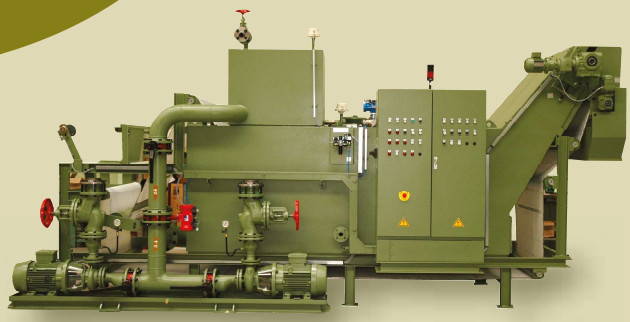
CANDLE FILTER IN TWO STAGES (SMP)
WITHOUT CONSUMPTION OF FILTER MEDIA for:
Cutting oils, oil mills, micro emulsions, synthetic solutions, emulsions, kerosene, white spirit and other petroleum products.
Processes: Grinding profiles, grinding grooves, grinding gears, deep drilling, general machining, cold rolled and others.
Nominal Filtration Quality: 15 microns
Flow: 30 to 15,000 l/min and more



HYDRAULIC VACUUM DRUM FILTER (TA)
Small Flow Filtration: Emulsion and synthetic solutions.
Processes: General machining, grinding, etc., that do not need of a high quality filtration.
Nominal Filtration Quality: Between 30 and 100 microns, depending on the type of filter element used in the drum.
Flow: 100 to 400 l/min.



PNEUMATIC VACUUM "ENDLESS" BAND FILTER (FIDE BC)
Filtration: Emulsions and synthetic solutions (occasionally cutting oil).
Process: General machining, grinding, hot and cold rolled, etc. that needs of a good nominal filtration quality.
Nominal Filtration Quality: 30-80 microns, depending on the type of band used.
Flow: 1,000 to 30,000 l/min and more.



HYDRAULIC VACUUM FILTER WITH "ENDLESS" BAND (TADE BC)
Filtration: Emulsions and synthetic solutions (cutting oil for some cases).
Processes: General machining, grinding, hot-rolled, washing, etc.,
Nominal Filtration Quality: Between 50 and 400 microns, depending on the band filter type.
Flow: 1,000 to 30,000 l/min



INCLINE HYDRAULIC VACUUM FILTER (BCP)
Filtration: Emulsions and synthetic solutions (cutting oil for some cases).
Processes: General machining, grinding, washing, etc.
Nominal Filtration Quality: Between 30 and 100 microns, depending on the filter band type.
Flow: 100 to 1500 l/min.



AUTOMATIC CLEANING POLICE FILTER (FPAN)
Filtration: Cutting oils and synthetic solutions
Processes: General machining, grinding, hot and cold rolling, washing, etc. that needs of a strict filtration quality.
Nominal Filtration Quality: 3-5 microns, depending on the type of filtration candle used.
Flow: 200 to 3,000 l/min.

KENFILT

TURN KEY
CENTRAL SYSTEMS



We engineer, project, construct and assemble CENTRAL FILTRATION SYSTEMS that can include:

- All types of canals, for the collection of liquids as well as swarfs.
- Settling tanks with automatic dredge, with or without laminar flow.
- Superficial de-oiling equipment
- Dosing devices for emulsions or synthetic solutions
- Cooling equipment with automatic temperature regulation
- Automatic pressure regulation system
- Flow meters
- Distribution pipelines
- Treatment of chips, crushing, briquetting, and centrifugation.



2 FTD 60 AD TA - 5,000 l/min of cutting oil



Pneumatic vacuum filter type FIDE 8 DL 50 used for filtering 6,500 l/min of emulsion used in general machining of cast iron.



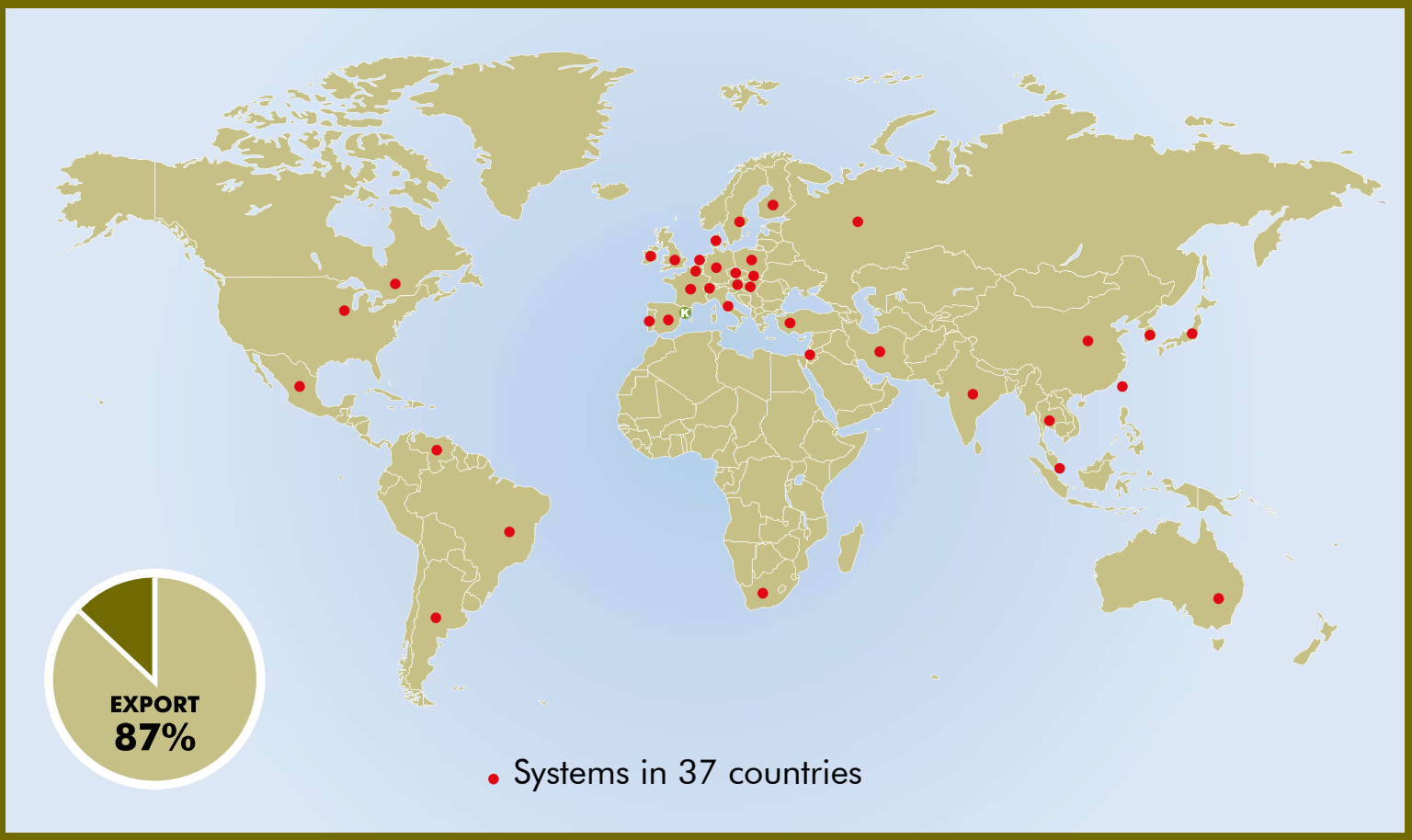
Central filtration 2 BPR 150 20 HC-10 DL 6 engineered for filtering 2,600 l/min of synthetic solution used in hard metal tool making. It recovers the hard metal to be recycled.



Hydraulic Vacuum central system type 2 TADE 20 DA 70 + FP used for filtering 13,500 l/min of oil used for the manufacture of aluminum gear boxes.



Hydrostatic drum central system type BPR200 DL 150 INOX with lamella tank of 150,000 lt. for filtering 3,000 l/min of water used in hot rolling lamination process.



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