

TOTAL SUPPLIER FOR FILTRATION, EVAPORATION AND WASHING SYSTEMS

With the environment in mind

ANMASI GROUP

CL-SERIES
COMBI-SERIES
SILENT SONIC
MAXI-SERIES
MAXILINE
ATB / ARH
WETBLASTER
TOPLOADER
FRONTLOADER
BELTLINE
ROTOLINE
FILTRATION SYSTEM
ATEX SYSTEM
ACCESSORIES

Fluid filtration by
FILCO

Precision cleaning by
ANMASI

Evaporation technology by
ENVOTHERM®

CL-SERIES

High quality ultrasonic cleaner with a high ultrasonic effect for reliable parts cleaning every day. Suitable for many tasks.

Analogue display

- Setting of time 0-60 min.
- Setting of temperature 0-80°C
- Standard frequency 40 khz

Digital multifunction display

- Setting of time and temperature
- Powerfunction - setting of frequency and watt-usage
- Multifrequency, Choose betweem 21,5 or 40 khz

Available options:

- Stainless steel baskets
- Basket covers
- Fixtures
- Weekly timer



MODEL	CL100	CL150	CL300	CL600
Volume	4,0 L	5,7 L	16 L	25 L
Tanksize (LxWxH)	245x135x140 mm	300x140x140 mm	325x300x190 mm	500x300x190 mm
Basket-size	190x100x120 mm	245x110x120 mm	250x245x150 mm	450x250x150 mm
Outside dimensions	300x170x300 mm	370x180x300 mm	420x330x420 mm	600x330x420 mm
Ultrasonic effect	160W	240W	320W	640W
Frequency	21,5 / 40 Khz	21,5 / 40 Khz	21,5 / 40 Khz	21,5 / 40 Khz
Temperature	0-80°C	0-80°C	0-80°C	0-80°C
Power supply	220/240V, 50 hz.	220/240V, 50 hz.	220/240V, 50 hz.	220/240V, 50 hz.

COMBI-SERIES

With the environment in mind...

This is our basic ultrasonic cleaning system, which is manufactured as a single- and multistage machine depending on the cleaning application.





Manuel line



Automatic line

SILENT SONIC

Top-class ultrasonic cleaner, where quality, working environment and cleanliness go hand in hand. This is one of the quietest ultrasonic cleaners on the market.



It has been developed and produced in Denmark to meet even the strictest requirements in degreasing and cleaning items. Supplied as standard with an electric agitation, which moves the items up/down during the washing process and automatically moves to the surface after the washing process is finished

Highlights

- The noise level is 30% lower than traditional ultrasonic cleaners
- User-friendly full electric agitation of the basket
- Low energy consumption and energy monitoring
- Week clock for heating control
- Smart touchscreen



Modules

- Ultrasonic cleaning
- Flush tank
- Turbulence tank
- Flush tank
- Hot air drying
- Vacuum drying

Extra options

- Filter systems
- Oil separator
- Automatic water filling
- Intelligent chemical dosing
- Automatic emptying
- pH and conductivity meter



Basket 400x600 H:300



Touch Screen



Oscillation of basket/parts

With the environment in mind...



Modular system

It has been developed and produced in Denmark to meet even the strictest requirements in degreasing and cleaning parts.

MAXILINE

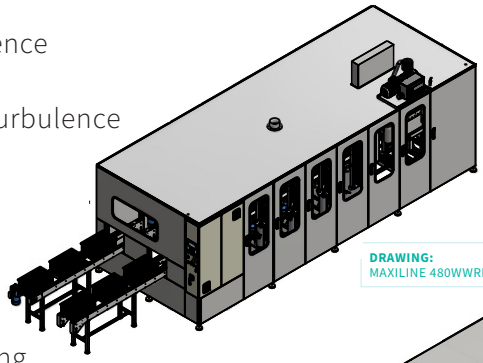
This is our fully automatic in-line ultrasonic cleaning system tailored for customer needs. It's a multistage heavy-duty cleaning system designed for around-the-clock operation.

Available standard modules:

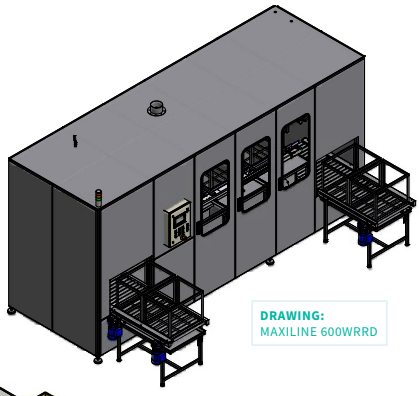
- Ultrasonic cleaning
- Venturi jet-nozzle turbulence
- Spray washing chamber
- Rinsing with air-bubble turbulence
- Hot air-drying tank
- Vacuum drying

Available options:

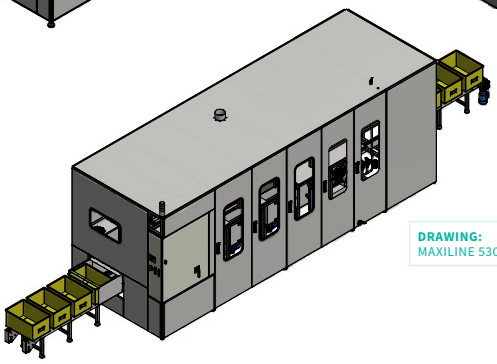
- Filtration system
- Automatic chemical dosing
- Oilskimmer with belt
- Oilseparator
- Extraction fan
- Agitation / oscillation
- Transport trolley
- Automatic conveyor systems for loading- and unloading



DRAWING:
MAXILINE 480WWRRD



DRAWING:
MAXILINE 600WRRD



DRAWING:
MAXILINE 530WWRRDV

MODEL	MAXILINE 530	MAXILINE 600	MAXILINE 670
Tank volume (pr. zone)	150 l	220 l	300 l
Ultrasonic effect (pr. zone)	2,0 kW	3,0 kW	4,0 kW
Ultrasonic frequency kHz	25 or 40	25 or 40	25 or 40
Basket loading max.	50 kg	75 kg	100 kg
Basket size (external)	521x321x200 mm	608x408x300 mm	651x469x300 mm
Cleaning height max.	200 mm	300 mm	300 mm
Temperature °C	30 - 85	30 - 85	30 - 85
Heating effect (pr. zone)	4 kW	6 kW	8 kW
Drying power	2.20 kW	2.20 kW	2.20 kW
Temperature drying °C	40 - 110	40 - 110	40 - 110

With the environment in mind...





Vacuum drying

Maxiline is available with vacuum drying systems when you need a fast and reliable drying system for complex parts. It's possible to dry even large complicated parts in less than 3 minutes with our vacuum solutions.



Touchscreen and process overview

All our automated cleaning systems is including Siemens PLC with touchscreen providing you a complete overview of the process, alarm information and making it possible to adjust each process parameter.

MAXI-SERIES

This is our heavy-duty industrial ultrasonic cleaning system, that includes several standard options. Its ideal for workshops, tools cleaning and metal industry.



Available standard modules:

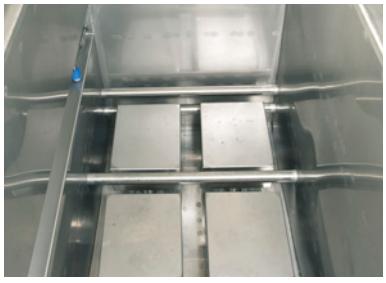
- Ultrasonic cleaning
- Venturi jet-nozzle turbulence
- Rinsing with air-bubble turbulence
- Hot air-drying tank
- Vacuum drying

Available options:

- Filtration system
- Automatic chemical dosing
- Oilskimmer with belt
- Oilseparator
- Extraction fan
- PLC/HMI with 7” touchscreen
- Transport trolley







ATB / ARH

With the environment in mind...

This is our simple and low-cost washing module with conveyor. Its a very compact and flexible solution, which is easy to implement.



The spraywashing system is designed for simple applications where only a washing module is necessary, which is mostly for washing of parts between steps in the manufacturing process. Its an ideal solution for example washing before welding of steel parts, or before assembling depending on the cleanliness requirements.

Available modules

- Spray washing

Extra options

- Filtration system
- Automatic chemical dosing
- Extraction fan
- Automatic waterfilling
- Oilseparator

Stainless steel manual spraying cabin with high-pressure cleaning at 80 bar which effectively cleans the parts from oil, grease and dirt.



The right solution for workshops and manufacturing companies for maintenance and repair of tools and components. The heated liquid with environmentally friendly soap combined with the high-pressure pump gives a great result.

The machine is including heating, temperature setting and level sensor in a stainless steel cabin. Inside the cabin, it is equipped with a high-pressure gun, window cleaning and a compressed air gun to blow off the parts.

WETBLASTER

Wetblaster with glass and plastic powder and hot water for surface finnishing / cleaning. Delivered in a complete stainless steel cabinet including stainless steel pump and heater.

The ergonomic design with a door that opens in the front, makes it easy for the operator to operate without having to load the parts into the machine from the sides.

The wetblaster is available with a stainless-steel drip tray and galvanized grate, as well as a continuous cleaning of the window via compressed air for better visibility. In addition, it has a built-in level sensor for protection of the pump and a water gun for rinsing the parts after water polishing.







TOPLOADER

With the environment in mind...

This is our spray washing system which is highly efficient and economic, and includes a lot of standard equipment which makes it very attractive.





WASH → RINSING → DRYING

First we have a spray washing cycle which is cleaning the parts with detergent and water inside the chamber using the piping system connected to the washing tank on the backside.

Secondly we have a spray rinsing cycle using hot water to remove chemical and other residues to ensure a high cleanliness level by using the separated piping system, pump and rinsing tank.

Highly efficient channel blower connected to air knives are blowing the parts inside the chamber while the basket is rotating to ensure efficient drying when the washing and rinsing process is finished.

FRONTLOADER

This is our spray washer for heavy-duty parts with a pneumatic front cover. Its a very compact and reliable cleaning system for a wide range of applications.

The spraywasher AFP-type and AFL-type are very easy to operate, and is available in five different sizes. The smart and compact design makes it a good choice for workshops, tools cleaning and after machining of large parts.

Available modules

- Spray washing
- Spray rinsing
- Hot air drying

Extra options:

- Filtration system
- Automatic chemical dosing
- Extraction fan
- Automatic waterfilling
- Oilseparator
- Siemens touchscreen
- Motor-driven basket





MODEL	1000	1200	1400	2000
Volume L	400 l	500	600	1500 l
Basket size	Ø1000 mm	Ø1200 mm	Ø1400 mm	Ø2000 mm
Cleaning height max.	700 or 1000 mm	800 mm or 1000 mm	800 mm or 1000 mm	1200 mm
Weight capacity max.	400 kg / 800 kg	500 kg / 1000 kg	500 kg / 1500 kg	1200 kg / 2000 kg
Temperature	20 - 80 °C	20 - 80 °C	20 - 80 °C	20 - 80 °C
Heating effect	9 kW	18 kW	18 kW	36 kW
Pump flow	200 l/min	250 l/min	300 l/min	500 l/min
Pump pressure	2.5 - 3.2 bar	2.5 - 3.2 bar	2.5 - 3.2 bar	4 - 5 bar
Machine weigth	750 kg	830 kg	950 kg	1500 kg
Power supply	32A	63A	63A	80A
High pressure air	6 bar	6 bar	8 bar	8 bar

With the environment in mind...



Two-tank system



Technical compartment



From 400 – 2000 kg capacity



BELTLINE

This is our high quality in-line cleaning system with conveyor. Its designed in modules and are customized to meet customer requirements.

The Beltline cleaning system is designed for manufacturing around-the-clock and is the ideal solution for implementation directly into the production line.



✓ **Integrated energy-surveillance module**
Including a specially developed energy surveillance module, where you can monitor electrical, water and high pressure air consumption.

✓ **Siemens S7-1200 PLC control**
Control panel Siemens S7-1200 PLC and a 7” touchscreen and process visualization.

✓ **Designed in modules**
Available with as many modules as the customer require depending on the application.

✓ **Integrated stainless steel coarse filter**
Middle-plate including stainless steel coarse filter 400 micron.

✓ **Frequency regulated belt**
Belt speed can be regulated by a frequency setting via the touchscreen.

✓ **Neutral zone**
Integrated 500 mm neutral zone between each module to reduce cross-contamination. The neutral zone is available with a blower.

✓ **Insulated**
Insulated stainless steel cabinet. Insulation thickness: 30 - 50 mm.

With the environment in mind...

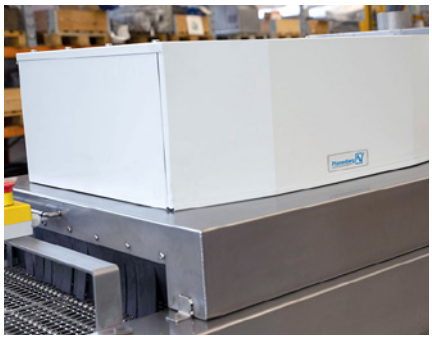




Adjustable spraying



Oil separator



Cooling after cleaning

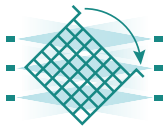


Easy maintenance

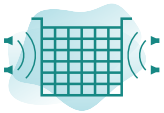
ROTOLINE

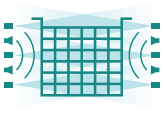


This is our rotating basket system designed for high precision cleaning of complex parts. Its designed in modules and customized to meet customer requirements.


SPRAYING


FLOODING


CLEANING


SPRAY+ULTRASOUND


DRYING


FINNISH







The Rotoline cleaning system is a powerful and robust solution for complex parts, like hydraulic blocks, moulding tools etc.

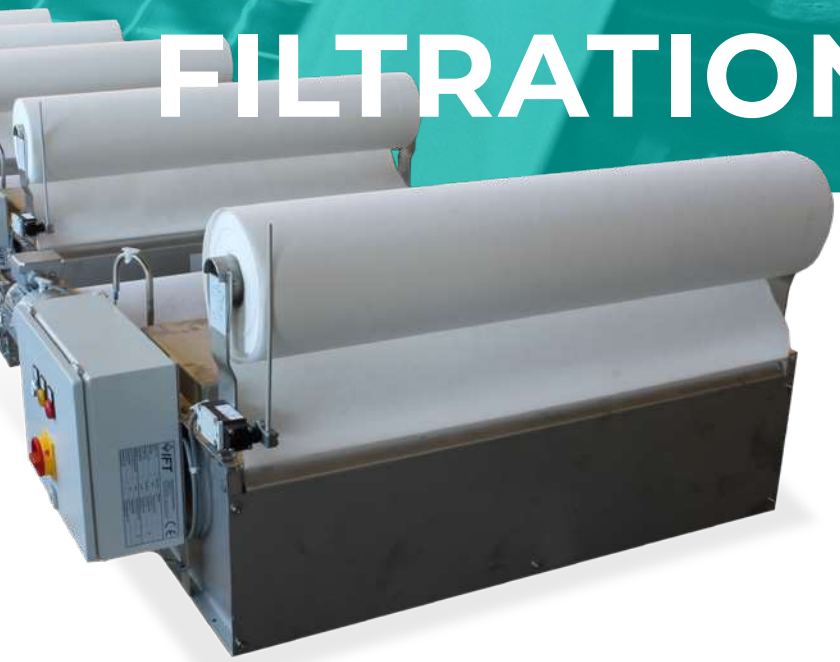
Its available as a manual or fully automated solution with conveyor system according to customer requirements.

Extra options:

- Filtration system
- Oilseparator
- Automatic chemical dosing
- Customized conveyor systems
- Extraction fan
- pH- and conductivity meter
- Baskets and fixtures

FILTRATION

With the environment in mind...



High quality band filter designed for large volumes and heavy-duty contamination.





Transportable cleaning filtration unit. Easy to connect and operate.

We offer a wide range of filter housings in stainless steel for both filterbags- and cartridges.



Central filtration system. Reduce your operating costs signifcantly.

ATEX SYSTEM

We are specialists in delivering ATEX-zone 2 cleaning systems used for hazardous liquids and our standard system is available with both washing, rinsing and drying in an automatic and manual version.

This system is cleaning the parts with ultrasonic cleaning and can be used for solvents and alcohols with a flash point down to 12°C.



✓ **ATEX ZONE 2**
The ultrasonic cleaner is designed for liquids with a low flash point that creates an explosive atmosphere.

✓ **100 % stainless steel construction**
The ultrasonic cleaner is with electro-polished stainless-steel surface in the work area and cabinet in brushed stainless steel.

✓ **Raised immersibles**
The ultrasonic cleaner has raised transducers which are placed 100 mm above the tank bottom to prevent soils from disturbing the ultrasound.

✓ **Air turbulence in rinsing**
The rinsing tank is with a stainless-steel pipe mounted in the bottom of tank for creating turbulence with high pressure air.

✓ **Pressure monitoring of nitrogen**
Unique pressure monitoring of the nitrogen connection ensuring constant low consumption and eliminating the risk of forming an explosive atmosphere during operation.

✓ **Double fan system**
The system is equipped with 2 fans in the event of a breakdown which reduces the risk of creating an explosive atmosphere.

✓ **Basket holder**
Safe and user-friendly holder for the baskets inside the work area so that the baskets do not lie around the machine.

ACCESORIES

With the environment in mind...



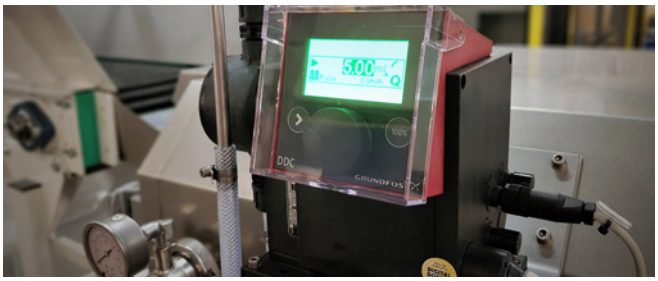
Oil separators



Fixtures and holders



Stainless steel filter housing



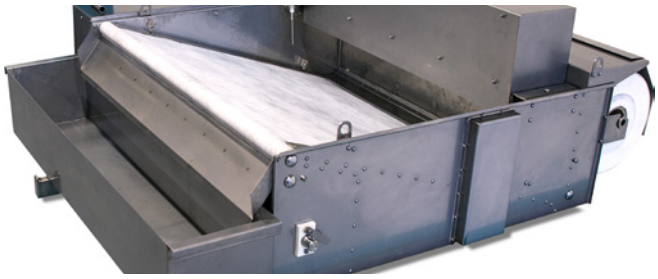
Automatic chemical dosing pumps



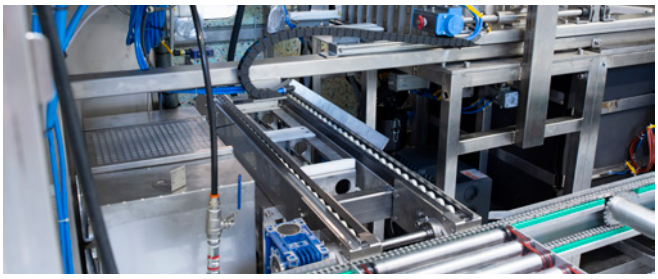
Cleaning chemicals



Baskets



Hydrostatic band filters



Conveyor systems



Filter bags



Steam condensation units

ANMASI GROUP

HEADQUATERS
GRINDSTED

Precision cleaning by
ANMASI
SALES OFFICE
GERMANY

Precision cleaning by
ANMASI
SALES OFFICE
SWEDEN

Fluid filtration by
FILCO
FILTRATION SYSTEM
KJELLERUP

Precision cleaning by
ANMASI
SPRAYCLEANERS
TUNNELWASHERS
ULTRASONIC CLEANERS
KJELLERUP-GRINDSTED

Evaporation technology by
ENVOTHERM®
EVAPORATOR
VOJENS

