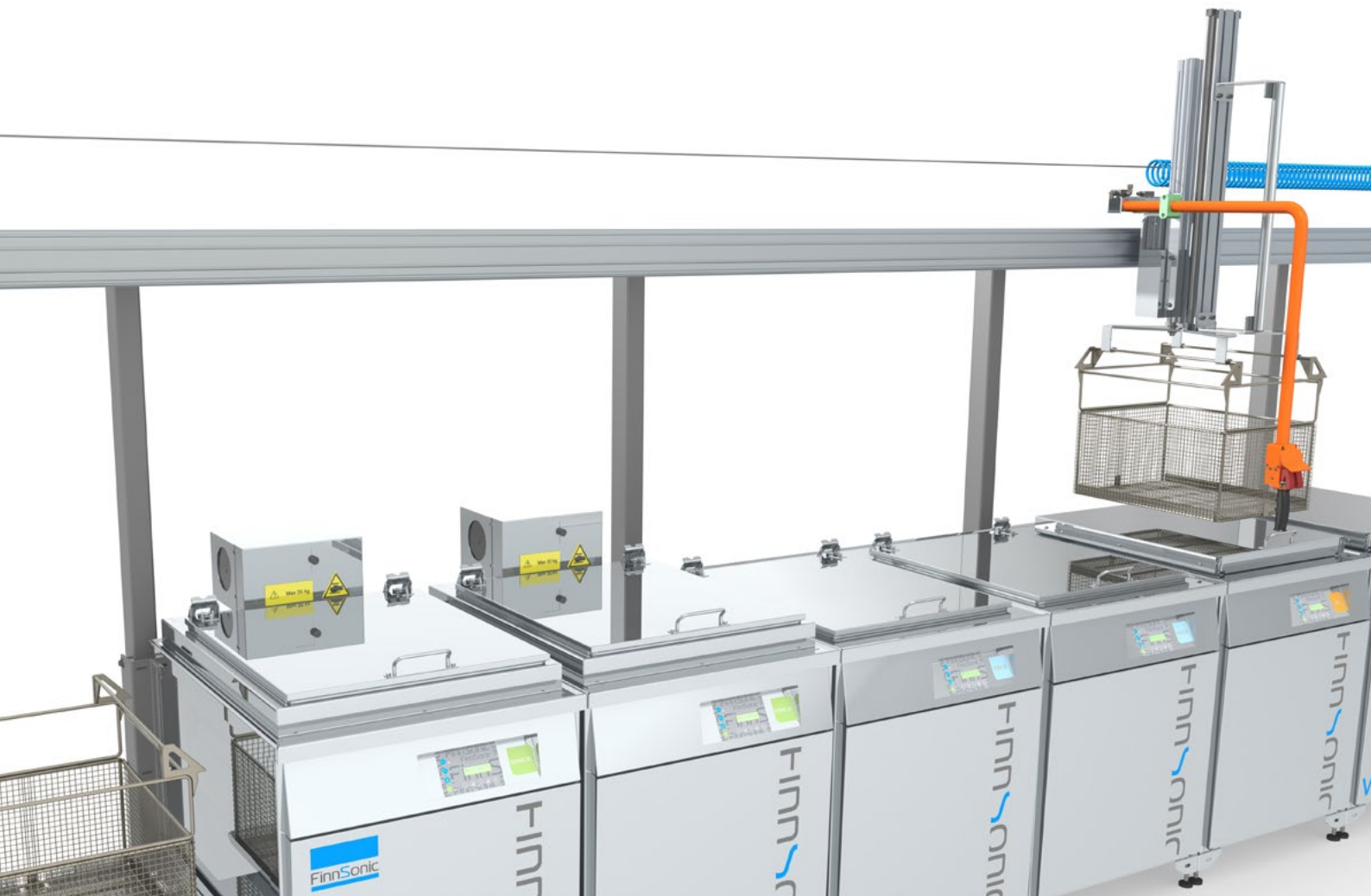
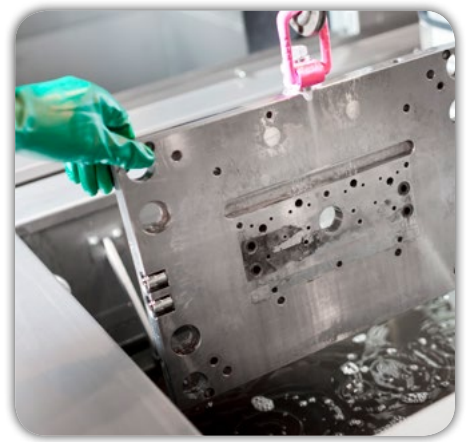


Kemet

PRECISION CLEANING SYSTEMS



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Ordering Information

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Enquiries & Technical Support

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Website:

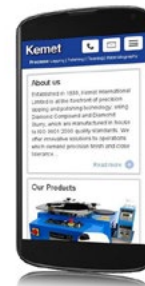
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Distributors for...



Free Cleaning Trials to find your perfect solution

Kemet Cleaning Systems

A photograph of a large, light-colored brick building with the 'Kemet INTERNATIONAL LTD' logo mounted on its side. The logo is in blue, with 'Kemet' in a large, bold font and 'INTERNATIONAL LTD' in a smaller font below it. The sky is clear and blue.

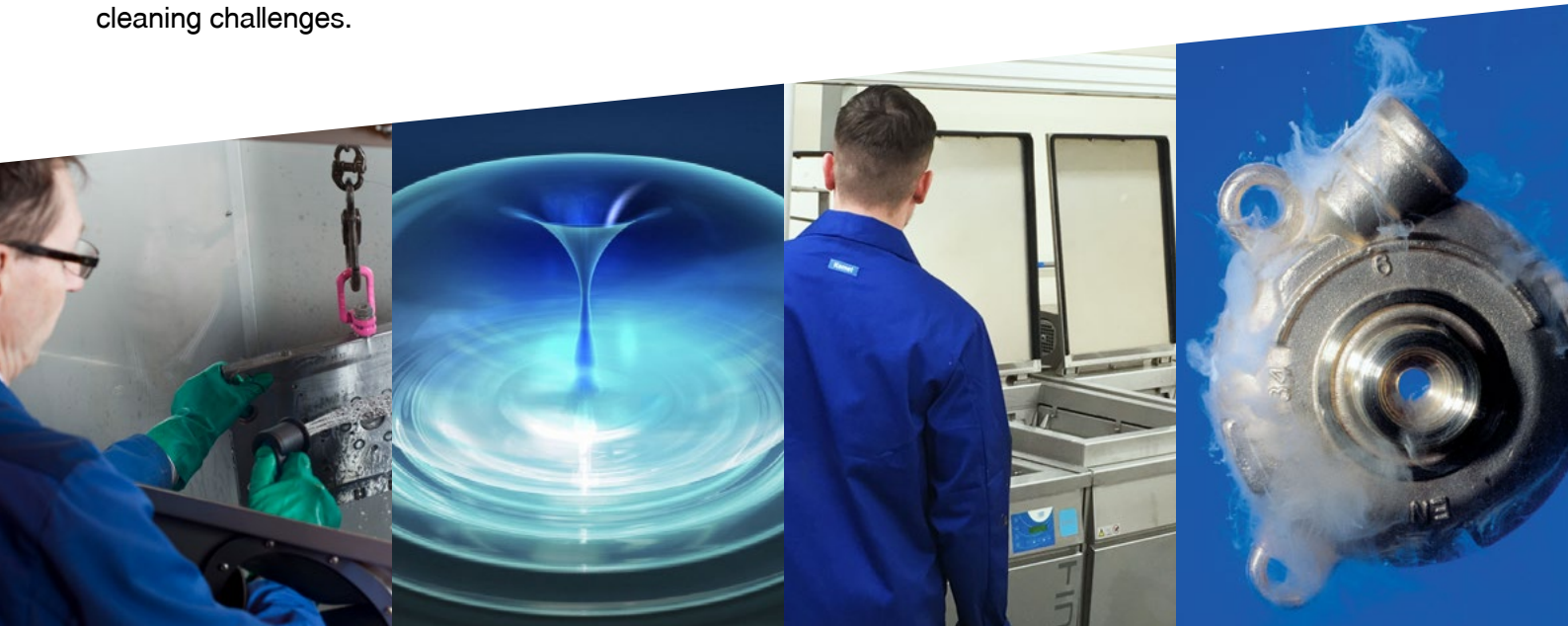
Kemet
INTERNATIONAL LTD

Since 1938, Kemet has been at the forefront of precision polishing technology, producing quality diamond pastes and composite lapping/polishing materials in our purpose built facilities. Experience has taught us that cleaning is an integral part of the final process, allowing parts to be accurately inspected prior to use.

To ensure the optimum cleaning process for specific contaminants and materials, Kemet have established strategic partnerships with world leading companies in ultrasonic cleaning, spray washing, aqueous based cleaning fluids and water treatment. Together, we have developed a comprehensive range of products and processes that cover most applications, but, if necessary, we will research and develop a bespoke cleaning process for a specific challenge.

All of our systems are designed for use with aqueous detergents, which are more environmentally friendly than solvents. Aqueous fluids also produce stronger ultrasonic cavitation action than solvents. As the UK distributor for NGL fluids, Kemet has access to over 300 cleaning solutions and waste water treatment. Free cleaning fluid trials can be arranged to find the perfect solution.

Now a truly international organisation, Kemet's activities span the world, spearheaded by companies in nine countries, all sharing the same commitment to customer support. This, along with more than 75 years' experience, means that Kemet are able to provide you with the technical support to overcome all your cleaning challenges.



Ultrasonic Cleaners

Versa Genius - Smart solution for component cleaning in manufacturing industries

Advances in technological development set ever higher requirements for component cleanliness in today's manufacturing industries. The Versa Genius represents the 3rd generation of the popular Versa range. It boasts many features as well as innovative Genius ultrasonic technology. The Versa Genius offers a perfect match with your requirements for cleanliness, productivity and Environmental, Health and Safety (EHS).

Main benefits

- Modular - flexible process configuration for optimal cleaning result
- Compact - small footprint
- Smart - high productivity combined with excellent EHS

Main characteristics

- Tank sizes from 50 to 140 litres
- Load capacity up to 35 kg
- Washing, rinsing and drying modules
- Bath maintenance modules
- Process automation and material handling modules

Features

- Enhanced cleaning performance
- Flexible
- Easy to use
- Energy efficient
- Safe
- Reliable
- Easily serviced

Main applications

- Automotive
- Metal
- Machinery
- Electronics
- Aviation
- Maintenance
- Medical

Flexible process configuration, optimal cleaning result

The Versa Genius cleaning line offers washing, rinsing and drying modules and additional options. Its scope can range from single manually operated units to a fully automated multi stage line. Versa Genius sets new standards in design with thoughtful details in fluid connections, agitation and control features to give a more functional, flexible and energy efficient system.



Genius Ultrasonic Technology

- Fully digital technology - fast and energy efficient
- Advanced diagnostics - performance monitoring and service capabilities
- Automatic adaptation of generator parameters - constant maximum performance.

Standard features

- Heating and thermal insulation
- Perimeter lip on tank edge and drip plates between stages - contain drips and keeps machine clean
- Filling and draining valves - easy bath change
- Sloping tank base - effective draining
- Overflow weir with valve - enables surface skimming
- Dedicated connections for closed loop filter circulation
- Adjustable feet - alignment on uneven floors

Technical information (Ultrasonic Cleaner)	Versa Genius 50	Versa Genius 90	Versa Genius 140
Basket dimensions (internal) (mm)	415 x 220 x 195(h)	545 x 295 x 310(h)	540 x 400 x 360(h)
Module dimensions (external) (mm)	505 x 772 x 917(h)	580 x 900 x 917(h)	690 x 900 x 917(h)
Tank dimensions (mm)	365 x 517 x 335(h)	438 x 645 x 430(h)	548 x 645 x 490(h)
Max load (kg)	10	20	35
Filling volume (l)	45	94	140
Heating power (W)	2000	3000	3000
Ultrasonic power nom/peak (W)*	600/1200	1200/2400	1200/2400
Ultrasonic frequency (kHz)**	30	30	30
Booster/Sweep/ Degas	Yes	Yes	Yes
Filling valve	R ½"	R ½"	R ½"
Drain valve	R 1"	R 1"	R 1"
Overflow weir/ valve	Yes / R 1¼"	Yes / R 1¼"	Yes / R 1¼"
Voltage (VAC)	380/220 - 415/240		
Connected load (W)	4000	5000	5000

* Transducers bonded to tank base. Side transducer versions available. **40 kHz also available.
Internal dimension "height" of the basket is the distance from bottom of the basket to the liquid surface when tank filled up to the overflow weir.

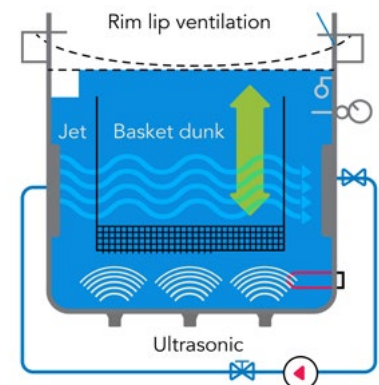
Technical information (Hot Air Dryer)	Versa Genius 50 hot air dryer	Versa Genius 90 hot air dryer	Versa Genius 140 hot air dryer
External dimensions (mm)	507 x 772 x 917(h)	580 x 900 x 917(h)	690 x 900 x 917(h)
Weight (kg)	74	96	105
Tank dimensions (mm)	For one basket		
Materials - Tank, frame	AISI 304		
Materials - Thermal insulation	Non combustible		
Heating power (W)	4000	6000	6000
Temperature range (°C)	Ambient - 120°C		
Fan (W)	165	165	165
	Suction from back, blow from bottom Flow approx 1060 m³/h		
Ventilation connection (Ø mm)	42.4	42.4	42.4
	25 m³/h	25 m³/h	25 m³/h
Voltage (VAC)	380/220 - 415/240		
Frequency (Hz)	50	50	50
Connected load (W)	4300	6300	6300
Fuses	3x10A	3x16A	3x16A

The machines comply with Electromagnetic Compatibility Directive (EMC) 2004/108/EC
Low Voltage Directive (LVD) 2006/95/EC



Control system

- Treatment time and temperature control
- Dry running protection
- 7-day timer - automatic pre-heating
- 3 memory slots - store favorite settings
- External control interface - easy integration with robot controlled production cells



Corus - Tool & Mould Ultrasonic Cleaning Tanks

Ultrasonic cleaning in the maintenance of moulds reduces manual input and wear, resulting in large cost savings. The technique is perfect for plastic, rubber and die cast moulds and tools.

- The Corus units are intended for general maintenance cleaning applications.
- Tank dimensions are based on Euro pallet standard.
- Cleaned parts are to be placed into cleaning tank in a wash basket.
- Each unit is an independent module.
- Modules can be placed next to each other to form a line with washing and rinsing stages.
- System can be further complemented with storage tanks, filtration, Ergo Station, chain hoist etc.

Options

- Baskets, single lifting point with gripper
- Lifting beams, same support points as for basket
- Rim lip ventilation channel and fan
- Lift off, hinged and pneumatic operated lids
- Closed loop circulations
- Storage tanks VG50, VG140,
- VG140HD with vertical pump
- Noise suppression kit 85 > 71dB
- Chain hoists

Construction

- Each module is an independent unit
- Modern and cost effective sheet metal construction
- Valves at the back
- Adjustable feet
- Raised lip at tank edge

Genius Ultrasonic Technology

- Automatic adaptation of generator parameters - constant maximum power
- Measurement of the load
- Frequency regulation (/30 sec)
- Power regulation
- Operating in optimal point puts the power into cleaning and minimises energy losses.
- Fully digital technology - extremely controllable and energy efficient
- Advance diagnostics - performance monitoring and service capabilities
- Ready for IoT

Main applications

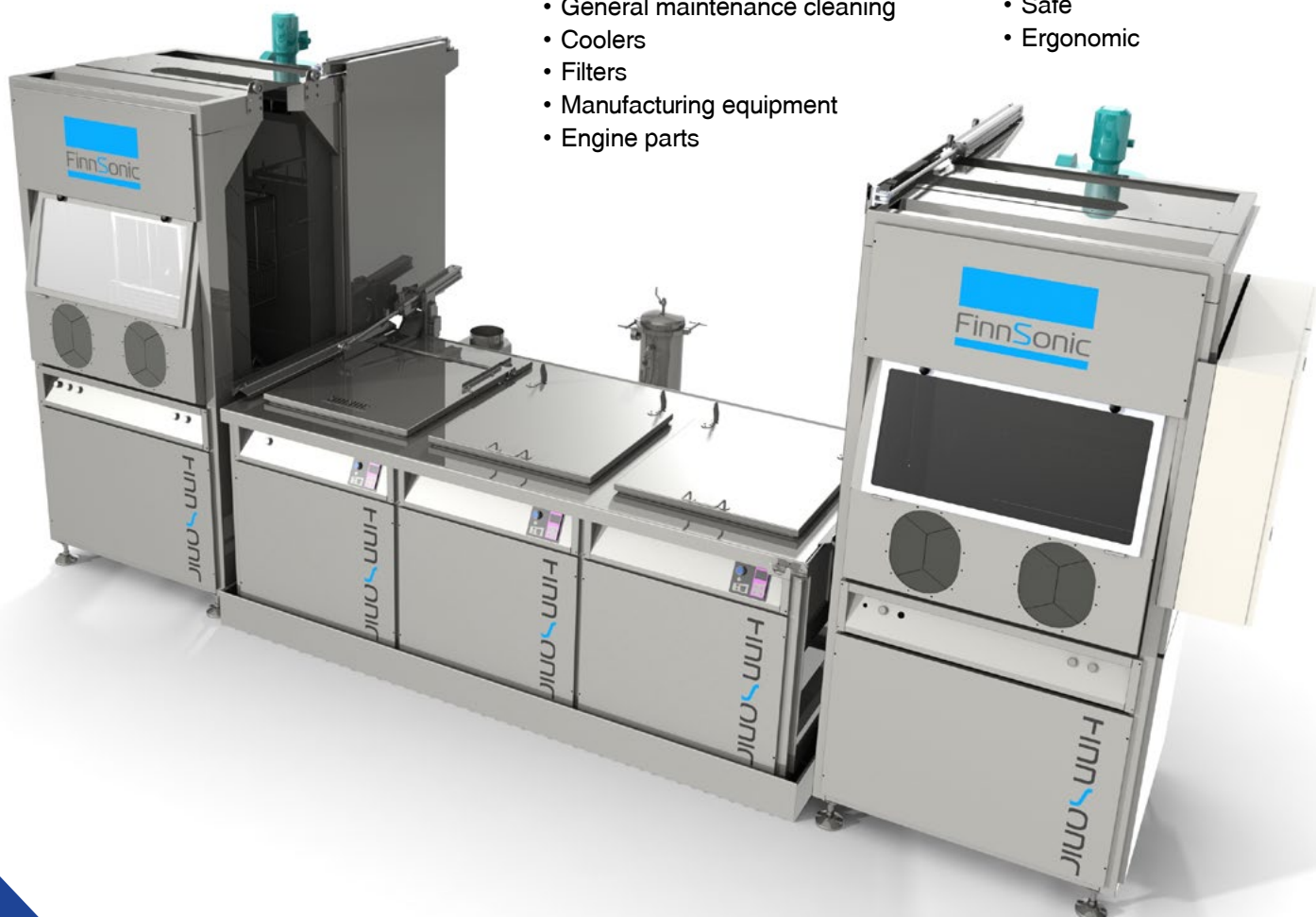
- Tool and mould cleaning
 - Plastic injection moulds
 - Die casting
 - Rubber moulds
 - Glass packing moulds
 - Extrusion tools
- General maintenance cleaning
- Coolers
- Filters
- Manufacturing equipment
- Engine parts

Loading concept

- Basket supports at tank edge
- Manual / hoist basket
- Lifting beam

Ergo station

- Inspection, flushing, air blast
- Safe
- Ergonomic



Technical information	Corus 120	Corus 240	Corus 360	Corus 480
External dim. (WxDxH) (mm)	670 x 900 x 917	980 x 1045 x 970	1230 x 1351 x 1120	1690 x 1551 x 1120
Tank effective dim. (WxDxH) (mm)	340 x 645 x 484	654 x 449 x 603	904 x 673 x 758	1324 x 873 x 758
Wash basket internal dim. (WxDxH) mm	300 x 538 x 442	604 x 400 x 516	808 x 600 x 658	1208 x 800 x 658
Displacement reserve (l)	14	46	60	100
Liquid volume (l)	135	286	670	1200
Load capacity (kg)	100	200	300	350
Heating power (kW)	3	5	9	18
Ultrasonic Power nom/ peak (kW)	1.2 / 2.4	2.4 / 4.8	3.6 / 7.2	4.8 / 9.6
Connected load (kW)	5	8.3	13.6	23.8
Voltage (VAC)	380/220 - 415/240 3-phase, neutral and ground			



- The Corus HD units are intended for maintenance cleaning of tools and moulds.
- Each unit is an independent module.
- Modules can be placed next to each other to form a line with washing and rinsing stages.
- Typical process consists of two steps/ tank modules: ultrasonic wash complemented with immersion rinsing/ hot passivation.
- Tank dimensions are based on typical injection mould sizes.
- Cleaned parts are to be placed into tank either in a wash basket or hung on a lifting beam.
- Both baskets and lifting beams are compatible with the standard tank designs. System can be further complemented with storage tanks, filtration, Ergo Station, chain hoist etc.

Technical information	Corus 120HD	Corus 240HD	Corus 360HD	Corus 480HD	Corus 600HD	Corus 720HD	Corus 840HD	Corus 1200HD
Max mould recommended size dim. (WxDxH) (mm)	400 x 250 x 400	450 x 300 x 450	600 x 400 x 600	800 x 400 x 600	1000 x 400 x 800	1200 x 400 x 900	1000 x 700 x 800	1200 x 700 x 900
Tank effective dim. (WxDxH) (mm)	340 x 645 x 484	654 x 449 x 603	724 x 473 x 758	924 x 473 x 758	1200 x 500 x 1000	1400 x 500 x 1100	1200 x 800 x 1000	1400 x 800 x 1100
Wash basket internal dim. (WxDxH) mm	300 x 538 x 435	604 x 400 x 516	668 x 400 x 658	868 x 400 x 658	Lifting beam			
Displacement reserve (l)	14	48	80	100	140	180	220	270
Liquid volume (l)	135	286	410	500	840	1100	1300	2200
Load capacity (kg)	100	200	300	500	1000	1300	1600	2000
Heating power (kW)	3	5	9	9	18	18	27	36
Ultrasonic Power nom/ peak (kW)	1.2 / 2.4	2.4 / 4.8	3.6 / 7.2	4.8 / 9.6	6 / 12	7.2 / 14.4	8.4 / 16.8	12 / 24
Connected load (kW)	5	8.3	13.6	14.8	24	26	36	48
Voltage (VAC)	380/220 - 415/240 3-phase, neutral and ground							

FinnSonic Corus X

When special dimensions are needed, FinnSonic Corus X is the answer. The modules can be tailor made according to the customer's current needs. The modules are designed with smart design automation that is based on a parametric model. In turn, this produces cost-efficiency and fast delivery times.

All of the above models include; Booster/Sweep/Degas, Ultrasonic frequency - 30 kHz, Temperature range Ambient - 80 °C, Filling valve - R ½", Drain valve - R 1 ¼", Overflow weir/ valve - R 1 ¼", Level sensor - Float type

All machines comply with Electromagnetic Compatibility Directive (EMC) 2014/30/EU Low Voltage Directive (LVD) 2014/35/EU + EN 61439-2



Optima - Modular Ultrasonic Cleaning Lines

The Optima lines are flexible, high performance component cleaning solutions. A wide range of manufacturing industries rely on Optima for the most stringent cleanliness requirements and highest volume throughputs.

Treatment tank modules with

- Ultrasonic
- Jet
- SonicJet
- Rinsing
- Spray
- Hot air drying
- Vacuum drying
- Widest range of options including
 - Basket dunking
 - Basket rotation

Tank sizes

- 150 l up to in excess of 10 m³

Basket dimensions

- From 400 x 300 x 300(h) mm to custom sizes
- Long models with a basket length of several meters

Load weights

- 35 kg up to in excess of 10 tons

Ultrasonic agitation

- 1.2 kW up to in excess of 30 kW
- 20, 30 and 40 kHz frequencies available

Bath maintenance options

- Storage tanks
- Particle filtration
- Oil separation
- Automatic filling and dosing
- ...and many more

Material handling and process automation options

- Easy lift, pneumatic assisted basket handling of up to 50 kg capacity
- Chain hoist assisted basket handling 50 - 1000 kg
- Load platforms for automatic tank specific lifting / dunking from 40 - 1000 kg
- Fully automatic material handling and process control with multibasket operation
 - 100, 200, 400, 1000 kg
 - Custom versions
 - Protected by a safety fence or fully encapsulated
 - Conveyor systems

Options:

- Jet turbulence 200 l/min
- Air bubble agitation
- Basket dunking 100 kg
- Safety thermostat
- Rim lip ventilation channels
- Heated storage tank WS120
- Auto purge
- Automatic refilling
- Automatic detergent dosing
- Cascade equipment
- Drain pump
- Hot air dryers
- Automatic lid for dryer
- HEPA filter
- PTM 50 Easy Lift
- Loading table for PTM50
- MBT100 automatic transporter



Bespoke Aqueous Systems

In addition to the range of standard systems, Kemet can design and produce bespoke systems to suit your application. Ranging from a robust single unit to a multi tank, automated ultrasonic cleaning system, Kemet can provide a solution to meet any, or all, of the following requirements:

- High production capacity
- Easy handling of heavy objects
- Good operator safety (e.g. Processes using aggressive chemicals)

The automated systems include cleaning, drying, fluid handling and other options. Automated Basket transporters can handle loads of up to 1000 kg.

Different models for single, multi or simultaneous parts handling are available depending on the load and capacity requirements.

Custom built industrial cleaning machines are used for production cleaning of practically any component shape or material. These systems are of stainless steel construction and offer full encapsulation for operator safety and a better working environment.

It is important to tailor a complete cleaning solution to match a specific application as this ensures that the cleaning costs, both power consumption and consumable costs, are kept to the minimum. For example, a general purpose cleaning detergent may successfully clean contaminated components, but if it is not targeted specifically for the job, you could find the detergent may need replenishing far more frequently than a tailored product.

Kemet can offer over 300 different detergents, all with slightly different characteristics, to ensure the optimum efficiency of your cleaning process.



Closed Loop Filtration Systems

A range of fluid handling options help achieve the required cleanliness level and cut operating costs. The closed loop filtration and oil removal options increase the life of wash and rinse liquids whilst providing more consistent cleaning results.

Free oil can be removed from the wash liquid by a storage tank with an oil separation system while a spray bar enables effective surface skimming to the overflow weir.



Mi Range - Peak Performance Cleaning for Demanding Parts

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FEATURING
GENIUS
TECHNOLOGY**



The Mi range is a compact and fast solution to conventional industrial parts cleaning needs. Operating the unit as well as cleaning and maintenance of the parts is simple and effortless.

The modules are made of stainless steel for demanding conditions and heavy use. The Mi machine can be expanded into a modular multi-stage washing system, if needed. The washing process can be enhanced with a host of options, thus creating even more cost savings.

- On the Mi range of ultrasonic cleaners, the control systems allow you to:
 - Maintain an effective work day schedule with 7 day timer for control of heating on/off requirements.
 - Activate treatment from your own PLC with the external control feature.
 - Maintain the process integrity by controlling maximum temperature during the entire cleaning process.
 - Optimise the process with the temperature interlock to ensure that temperature cannot be changed from the panel and the process will not begin before set temperature is reached.
 - Store programs and select from the memory for individual part cleanliness requirements.
- The ultrasonic technology provides constant maximum performance
 - Automatic measuring of load - frequency and power regulation
 - Fully digital generator - well-adjusted and energy efficient
 - Advanced diagnostics - performance monitoring and service capabilities
 - Top level of cleanliness
- Options include stands, side transducers, hinged lids and many more accessories.

Ultrasonic Cleaner	M80I	M120I	M160I
Volume (l)	80	120	160
External dimensions mm	760 x 460 x 720(h)	740 x 580 x 750(h)	1340 x 460 x 770(h)
Tank dimensions mm	585 x 330 x 400(h)	585 x 450 x 455(h)	1180 x 330 x 400(h)
Internal Wash basket dimensions (mm)	540 x 290 x 310(h)	540 x 400 x 360(h)	1110 x 280 x 310(h)
Ultrasonic power W nom./ peak	1200/2400	1200/2400	1200/2400 (M160I) 2400 - 2400/4800
Ultrasonic frequency (kHz)*	30	30	30
Heating power (W)	2000	4000	6000
Voltage	220-240V-single phase-50Hz/60Hz	400-415V-three phase-50Hz/60Hz	400-415V-three phase-50Hz/60Hz
Filling valve	R 1/4	R 1/4	R 1/4
Drain valve	R 3/4	R 3/4	R 3/4
Overflow weir/ valve	R 3/4	R 3/4	R 3/4
Connecting load (W)	3200	5200	7200

Hot Air Dryer	M80DR
External dimensions (mm)	920 x 460 x 680(h)
Weight (kg)	65
Tank dimensions (mm)	For one basket
Heating power (W)	3300
Temperature range (°C)	Ambient - 80°C
Fan	200W, 700m³/h Suction from right end, blow from left end of chamber
Voltage	220-240V-single phase-50Hz
Frequency (Hz)	50
Connected load (W)	3500
Fuses T = slow	16A
Connecting load (W)	3200

Internal dimension "height" of the basket is the distance from bottom of the basket to the liquid surface when tank filled up to the overflow weir.
* 40 kHz also available.

Kemet Light-Industrial Ultrasonic Cleaners for Precision Cleaning



Top of the range digital generator operates piezo-ceramic transducer elements giving a powerful cleaning effect. The Booster function, for extra power, can be used for the most difficult cleaning tasks. Distribution of the ultrasonic energy is achieved by the frequency sweep to give precision cleaning throughout the tank. All models are equipped with thermostatically controlled heating to ensure optimum cleaning temperature.

Manufactured from DIN 304 stainless steel, both internally and externally, they are easy to keep clean and hygienic. A drip protector guides any unwanted water droplets away from the operating panel and the internal control circuitry is protected against water splash.

Features

- Tank made from stainless steel (DIN 304)
- High quality stainless steel mesh basket
- Boost, Sweep and Degassing function
- Easy setting of time, temperature and special functions
- Dry run heating protection and automatic switch off after 12 hours of operation
- Glass beaker system available for cleaning small parts



Technical information	Kemet 3	Kemet 6	Kemet 12	Kemet 30	Kemet 45
Tank service volume (l)	1.9	4.3	9	20.6	45
Internal tank dimensions (mm)	240 x 137 x 100	300 x 150 x 150	300 x 240 x 200	505 x 300 x 200	500 x 300 x 300
Internal basket dimensions (mm)	198 x 106 x 50	255 x 115 x 75	250 x 190 x 115	455 x 250 x 115	455 x 270 x 194
External dimensions (mm)	300 x 179 x 214	365 x 186 x 264	365 x 278 x 321	568 x 340 x 321	615 x 370 x 467
Ultrasonic power nom/peak (W)	80/160	150/300	200/400	300/600	400
Ultrasonic frequency (kHz)	38	38	38	38	38
Heating power (W)	200	400	800	1200	1600
Voltage	230V - single phase - 50Hz				
Product Code	359480	359482	359484	359486	359488

Accessories Available	Kemet 3	Kemet 6	Kemet 12	Kemet 30	Kemet 45
Plastic lid	✓	✓	✓	✓	
Stainless steel lid					✓
Stainless steel basket	✓	✓	✓	✓	✓
Lid/beaker holder	✓	✓	✓	✓	
Set: lid/beaker holder, 2 beaker glasses 600ml with lid and rubber rings	✓				
Beaker Ø 95 mm, 600 ml	✓	✓			
Beaker Ø 95 mm, 1000 ml	✓	✓			

Spray Washers

We can offer top loading single stage spray washing machines. Cleaning parts prior to maintenance or between production phases is often necessary, not only for technical reasons, but also for operator comfort. The Spintec wash machine is the ideal solution for cleaning parts quickly and in a closed chamber for a better working environment.



- Cleans parts fast and efficiently
- Easy to control with digital operating timer and temperature control
- Durable materials: stainless steel chamber, spray pipes, nozzles, pump and valves
- Safe and ergonomic working environment: lid with gas springs, safety switch and exhaust connections
- Level controller protects functions from dry running
- Air gun for drying of the parts and adjustable feet for easy installation, standard in all machines

Options

- Loading trolley for ergonomically moving heavier loads
- Removable basket gives more possibilities for material handling in production
- 7-day timer heats the liquid up according to the operation schedules
- Closed loop filtration cleans the wash liquid particle free and prolongs wash liquid lifespan time
- Oil separator removes free oil from wash liquid and reduces waste liquid volumes
- Automatic refill and detergent dosing ensure consistent cleaning result for longer production series
- Heat insulation saves energy in cooler environments

Name	Spintec 60	Spintec 82	Spintec 105	Spintec 125
Body Diameter (mm)	600	820	1050	1250
Load max (kg)	80	150	200	300
Load height max. fixed basket (mm)	300	400	500	640
Load height max. removable basket (mm)	-	360	460	600
Container volume (l)	50	120	220	450
External Dimensions	Width	755	950	1250
	Length	1000	1250	1500
	Height (lid closed)	1150	1250	1350
	Height (lid open)	1550	1750	2000
pump capacity (l/min)	60	120	140	190
pump pressure (Bar)	1.5	2	3	3.2
Heating (kW)	4	4	7.5	15

Recommended Non-foaming Cleaning Fluids for Spintec Spray Washer

Type	Package Size	Product Code	Alkaline or Acid	PH approx	Dilution % Suggested	Temp °C Suggested	Suggested Use	Comments
Decoclean 440	25 Litre	362945	Alkaline	13	5 - 15%	50 - 80°C	Heavy contamination on Ferrous metals only	Do not use on Non-ferrous metals. Rinse well.
Decospray TM	25 Litre	363162	Alkaline	9.6	1 - 3%	60 - 70°C	Removes oils and does not attack metals	It temporarily protects the parts against oxidation
Decospray HT13	25 Litre	363163	Alkaline	14	2 - 3%	70 - 75°C	Removes oils from Non-ferrous materials	Very high degreasing power

Free Cleaning Trials & Technical Support

At Kemet, we pride ourselves on finding the ideal cleaning solution for each customer based on their individual needs. If you would like to arrange cleaning trials with us please call **+44(0) 1622 755287**

Below are a few examples of our **FREE** cleaning tests.

Before

After

Automotive Parts cleaned



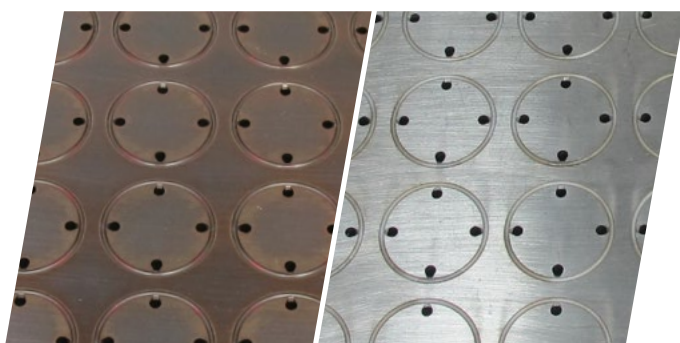
Before

After

Injection Mould cleaned



Injection Mould Plate cleaned



Aircraft Hydraulic Pipe Line cleaned



At our dedicated cleaning test centre in Kent, we have the latest demonstration and test facilities to develop cleaning processes tailor made to the customer's requirements. We are able to undertake free of charge cleaning trials using a large variety of cleaners and solutions.

We provide a complete technical support programme as part of the Kemet package. In the UK, our team of Technical Representatives is always on hand to offer advice and assistance. Internationally, our world-wide network of Kemet subsidiary companies and exclusive distributors have fully qualified technicians and engineers to help solve your ultrasonic cleaning problems.

- Extensive range of concentrated detergents
- Kemet's own chemists, to give advice
- Cleaning Specialists
- Servicing contracts
- Test and demonstration on site or at Kemet's facilities
- Factory Acceptance testing, commissioning and training

We have access to NGL's Laboratories where their chemists study, formulate, develop and manufacture cleaning solutions.

- Process validation and approval
- Preliminary tests, results and checks save time in the development of customer projects
- Guidance and assistance in preparing specifications for an equipment investment



Kemet offer the finest in biodegradable cleaning fluids. These are specialist formulated concentrated detergents available in neutral, alkaline and acid types. Kemet are a distributor of NGL Nordic A/S with more than 300 high performance formulations providing a solution to most cleaning challenges. Some of the more commonly used solutions are as follows:

Application	Substrate Compatibility	Product	Package Size	Product Code	pH approx	Dilution % Suggested	Temp °C Suggested	Comments
Removing Polishing Compounds	All metals	Galvex 18.01	25 Litre	362944	9.5	2 - 5%	40 - 70 °C	General purpose on all Metals and plastic machine cases.
		Galvex 20.01	10 Litre	363145	8.9	1 - 5%	50 - 70 °C	Ideally suited to the medical industry.
			25 Litre	363146				
			200 Litre	363147				
	Gold, silver, brass	Helit Plus	5 Litre	362963	8.9	2 - 5%	40 - 70 °C	Universal, neutral for jewellery, watch parts, luxury items. Non tarnishing and will brighten.
			25 Litre	362964				
	Gold, tin, nickel, copper	17.13 F.R.	25 Litre	363156	9.3	3 - 10%	45 - 60 °C	Liquid emulsion formulated to fully remove flux from PCB.
	Gold, titanium, stainless steel	Galvex SU 737	5 Litre	362988	8	3 - 5%	50 - 75 °C	Good in hard/soft water. Recommended for cleaning watch parts.
			25 Litre	362989				
		Galvex SU 747	5 Litre	362938	10	1 - 3%	50 - 80 °C	Slightly stronger version of 737.
			25 Litre	362939				
	All metals except aluminium	Galvex 17.30	25 Litre	362940	10.8	1 - 3%	50 - 70 °C	Good for cleaning prior to plating/coating.
			200 Litre	362941				
Galvex 17.30N		25 Litre	362942	10	3 - 5%	50 - 70 °C	Suitable for most metals but test first. Adds corrosion protection to steels.	
Removing Grinding Compounds	Steels, stainless steels, ceramics	Rodaclean Supra	25 Litre	363010	14	3 - 10%	40 - 70 °C	Surface preparation prior to P.V.D. Might need Rodastel 30 to neutralise and assist rinsing.
		Rodaweg	25 Litre	363007	14	3 - 5%	40 - 70 °C	Metal surfaces prior to Vacuum Coating. Can be used at 30° C.
Removing Oils	Steels, stainless steels, ceramics	Decoclean 440	25 Litre	362945	13.7	3 - 5%	50 - 70 °C	Can be used for ultrasonics and spray cleaners. Removes heavy contamination on ferrous metals only. Non foaming. Rinse well.
		Decospray TM	25 Litre	363162	9.6	1 - 3%	60 - 70 °C	
	Steels, ceramics, glass	Nanoclean Super	10 Litre	363148	12.6	3 - 20%	40 - 60 °C	Mould cleaning, carbon removal. Steel may discolour at high temperature.
			25 Litre	363149				
Deoxidation	All metals inc aluminium	Rodastel 30	25 Litre	362947	0.5	3 - 5%	50 - 75 °C	Deoxidation, neutralise prior to Vacuum Metallisation.
Removing Oils and deoxidation. Surface activation	All metals	Solvit 3	25 Litre	362946	0.9	3 - 30%	20 - 40 °C	Strong acidic action. Rinse well or, neutralise after use.
Passivation	Stainless steels	Decomet	10 Litre	363154	1	10%	40 - 65 °C	For finishing and decontamination after cleaning. Ideally suited to the medical Industry.
			25 Litre	363155				
Rinsing additive	All metals	Galvex 18.07	10 Litre	363143	9.2	0.1 - 3%	40 - 60 °C	Provides anti-static effect. Excellent finishing properties.
			25 Litre	363144				
Protection against corrosion	Steels, Hss, carbide	Korrostop 5000	5 Litre	363150	12.3	0.02 - 1%	20 - 30 °C	Consult our technical department for specific advice.
			25 Litre	363151				
	Steels, HSS	Korrostop 6500	5 Litre	363152	N/A	3 - 10%	20 - 60 °C	
			10 Litre	363153				

Kemet recommend that any cleaning fluid should be tested on a sample of the component to be cleaned to ensure it does not damage the material and offer free trials to establish the optimum process.

Cleaning fluids continued...

Type	Package Size	Product Code	pH approx	Dilution % Suggested	Temp °C Suggested	Suggested Use	Comments
H14	5 Kg	360474	14	3 - 30%, Suggest 15%	60 - 85°C 85°C optimum	Mould cleaning, carbon removal, Steels, Ceramics / Glass	Powerful detergent. Will etch or attack non-ferrous materials. Steel may discolour at high temperature
	20 Kg	360475					
	210 Kg	360476					
C160	25 Litre	302117	-	100%	<120°C (Flash Point 158°C)	Removing waxes, grease, polishes, lap compounds	High temp solvent. Use heated dip tanks. Ultrasonics can be rinsed with aqueous
S3	5 Litre	361441	2.5	10 - 15%	40 - 70°C	Tarnish, light corrosion of most materials. Brightens jewellery and coins	Protect ferrous materials after cleaning. Not suitable for some plated metals
	25 Litre	361283					
ACA	1 Kg	361470	10	0.5 - 3%	Ambient to 40°C	Inhibitor in rinse to prevent corrosion	Stops corrosion on ferrous metals
	25 Kg	361469					
I	5 Kg	360480	1	5 - 10%, Start at 5%	25 - 60°C Start 25°C	Rust and oxide removal on all materials. Restore white ceramics	Will etch all materials and brighten some non-ferrous. Cold rinse, dry immediately. Protect ferrous
	20 Kg	360481					
	210 Kg	360482					
A9	5 Kg	360477	9.5	3-15%, Suggest 10%	40-60°C	Nearly neutral to suit all materials	Temperature above 40°C can change the colour of non-ferrous materials. Inhibitor, short duration at 1-3%
	20 Kg	360478					
	210 Kg	360479					

Industrial Degreasers

Dasty Industrial Degreaser

For manual cleaning, this product is extremely effective for thoroughly degreasing all mechanical parts as well as large surfaces and perfect for cleaning lapping residue. Thanks to its ultra-concentrated formula, Dasty easily removes grease, mineral oil, scale, etc. and is biodegradable, safe for shipping and contains no ozone depleting chemicals.

Size	Code
1 Litre	362936
Box of 12	362962



C70 Solvent Cleaning Fluid

A versatile and highly efficient cleaning and degreasing fluid with a fast evaporation rate for removing grease, oil and residues from all metals and ceramics. Supplied in a pressurised container, complete with detachable extended spray tube for reaching into the most difficult areas, C70 contains no ozone depleting substances.

Size	Container	Code
500ml	Aerosol	302114
500ml	Aerosols (Pk 12)	302115



CO - 42 Cleaning Fluid

Designed for cold use and applied by spray, brush, cloth or full immersion, CO42 is a highly efficient degreasing fluid similar in performance to 1.1.1 Trichloroethane, but without the ozone depleting properties.

Size	Container	Code
450ml	Trigger Spray	302103
5 Litres	Metal	302102
25 Litres	Metal	302101
200 Litres	Metal	302105



- C70 and CO-42 are **NOT** approved for use at elevated temperatures or in ultrasonic cleaning machines.

Waste Water Treatment

Through our partnership with NGL, Kemet offer a wide range of water treatment options to process water coolants and polishing liquids. This enables fluid recycling and improves the quality of the surface of machined parts, producing a discharge that complies with local environmental requirements.

Treatment methods

- Physico-chemical which use chemical reactants to concentrate contaminants in the form of settleable and/or filterable sludge
- Physical: membrane filtration

Services

- Treatment process proposal in partnership with OEMs
- Development and commercialization of a specific range of chemical reactants (DECOFLOC range)
- Compliance for existing treatment installations
- On-site assessment

Kemet



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