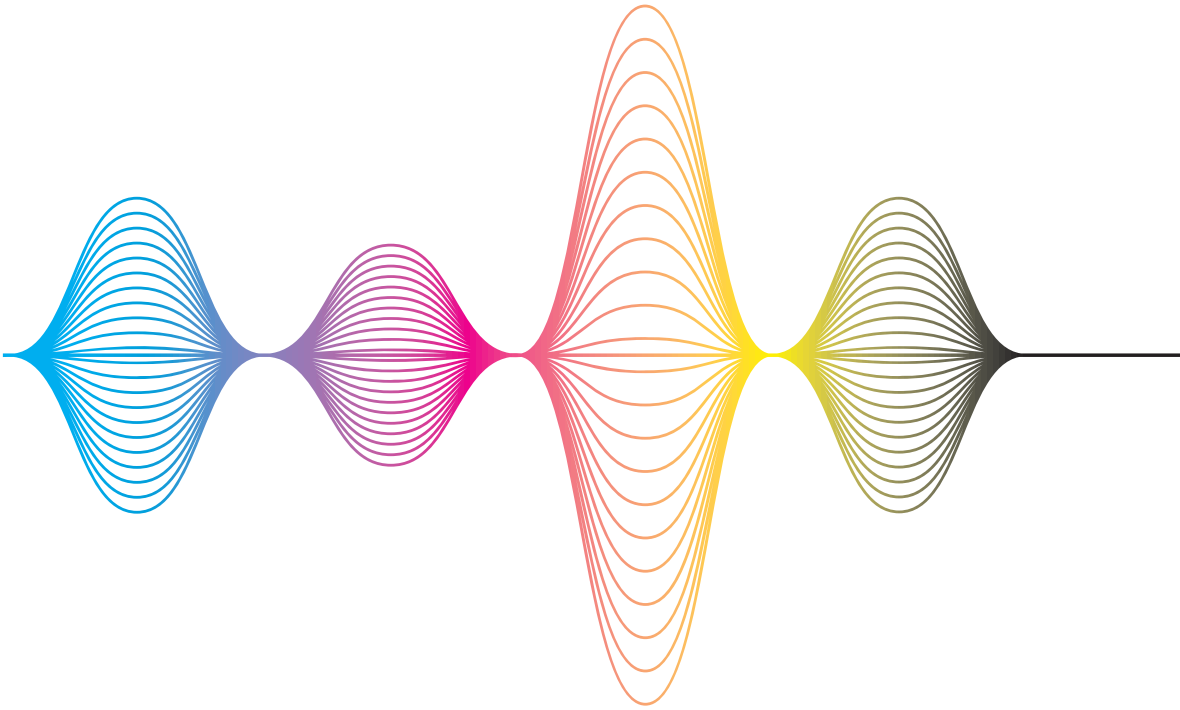


ALPHASONICS

ADVANCED ULTRASONIC CLEANING SYSTEMS

PRINT INDUSTRY

MADE IN BRITAIN

ALPHASOUND a world of difference

BetaSound Ultrasonics. Advanced.

active CAVITATION

CERTIFIED ISO 13485 UKAS MANAGEMENT SYSTEMS 001

Welcome

Welcome to Alphasonics, the world's leading designer and manufacturer of advanced ultrasonic cleaning systems, specifically for precision cleaning applications.

Founded in 1993, Alphasonics has developed a worldwide reputation for innovation and technical excellence within the field of precision cleaning. Our globally supplied advanced ultrasonic cleaning systems are unique in both their design and construction, delivering incredibly consistent results. All devices include several patented features that offer enhanced performance and a short ROI.

When purchasing an advanced ultrasonic cleaning system from Alphasonics, you will be getting much more than cutting-edge technology - you will receive promises from us in the form of our Performance Guarantee and Roll Safety Guarantee with a cleaning solution that is years ahead of its time.

An Alphasonics Solution... **for every printing process**

Our team of engineers, designers, production and sales staff are highly experienced in the technology and standards required in the print industry and are able to interpret your needs to provide you with a system that offers exceptional performance and longevity to deliver safe, consistent results time and time again.

In addition, Alphasonics works within ISO 13485. This Quality Management System enables us to manufacture and sell into the Healthcare sector.

If you would like to know more about what our products, technologies and operating procedures can offer your business, please get in touch. Our highly trained staff will be pleased to answer any queries you may have.

We look forward to being of service.

David Jones,
Managing Director

Our Technology

What do we mean by 'Advanced' Technology?

The key to what we offer and what sets us apart is the incredibly even distribution of sound throughout the tank of fluid. From top to bottom and side to side, the difference in intensity is only 1.5mV, making it the most effective and safest system in the market for the cleaning of delicate items such as anilox rolls. Advanced ultrasonic cleaning is also a flexible technology, that can be as gentle or as aggressive, as is required.

At Alphasonics, our technology has been specifically developed to give the best results when cleaning delicate items, such as high screen anilox rolls on a regular basis, or items that require the highest level of consistent cleaning.

This is achieved through thousands of flexures per second to the radiating face which in turn creates millions of vacuum chambers that then rise up into the tank before imploding near to or against the submerged component, the contamination is sucked away through the formation of a micro-jet, resulting in a high level of cleaning. The natural dispersion of these bubbles is highly erratic, which can lead to uneven cleaning and indeed, damage to the delicate cell walls.

Patented features used within our systems enhance the process to prevent this damage potential. Active Cavitation assists with shortening cleaning times by delivering a more even distribution of sound, while 'Betasound' produces an impressive even distribution of sound within the fluid to a level that cannot be beaten.

Our precision ultrasonic cleaning devices will remove microscopic contaminants such as ink residues to an incredibly low level, thus raising productivity, reducing downtime and as such increasing profit. Indeed, advanced ultrasonic cleaning of anilox rolls will generate revenue. Something that no other cleaning technology or method can claim.

Fig. 1

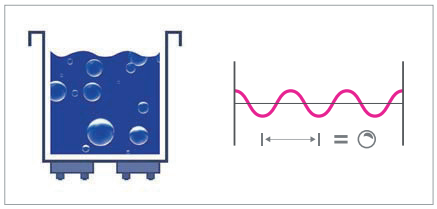
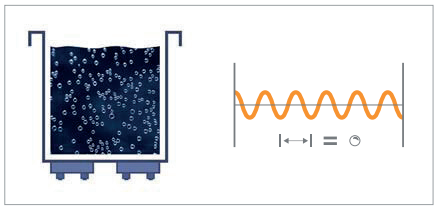


Fig. 2



The representational sketches show how different frequencies produce different vacuum cavities. Low frequencies produce larger cavities (figure. 1), whereas high frequencies produce smaller cavities (figure. 2), when the power input remains constant.

The cleaning process and safety is further enhanced by altering the power level or watts per litre between the high and low frequency settings. The factory settings are high frequency/low power and low frequency/high power. The low frequency setting is generally used to get the component clean and the high frequency setting is used to keep the component clean through regular cleaning.

At Alphasonics, we produce a range of high quality, affordable advanced ultrasonic cleaning systems, designed and manufactured to suit your specific needs.

A solution for every printing process

No matter what printing process your company uses, our knowledgeable in-house team are able to offer the very best cleaning solution.

Flexography

Flexo printers can face problems cleaning anilox rolls to a consistent level, leading to a loss of process control. To overcome this issue, Alphasonics have developed 'Alphasound' and 'Betasound' technologies that have pioneered the safe and effective regular cleaning of aniloxes, no matter what the screen count. A 100% clean anilox, coupled with the use of a volume measurement device delivers the ultimate in anilox control, with all of the production and financial benefits this brings.

As Flexo settles into the 21st century, it is becoming more apparent that simply 'cleaning' the anilox is no longer good enough. Flexo's new paradigm is 'Anilox Control' - ensuring the roll is used in such a way to deliver the very best results through stringent care, maintenance and management.

nilpeter

"Cleanliness - especially for Anilox Rollers - is of paramount importance in quality Flexo printing - and that's where Alphasonics come in on top."

Jakob Landberg, Sales & Marketing Director at Nilpeter A/S

Consistently rendering the roll 100% clean will give a baseline to enable the delivery of six tangible, cost saving and production-based benefits:

- No requirement for over-pigmentation of inks
- Faster and more consistent make-ready times
- Greatly reduced waste
- Higher and more consistent print quality
- Improved production run hours
- Easier and more accurate anilox inventory management

The mantra is clear and simple;

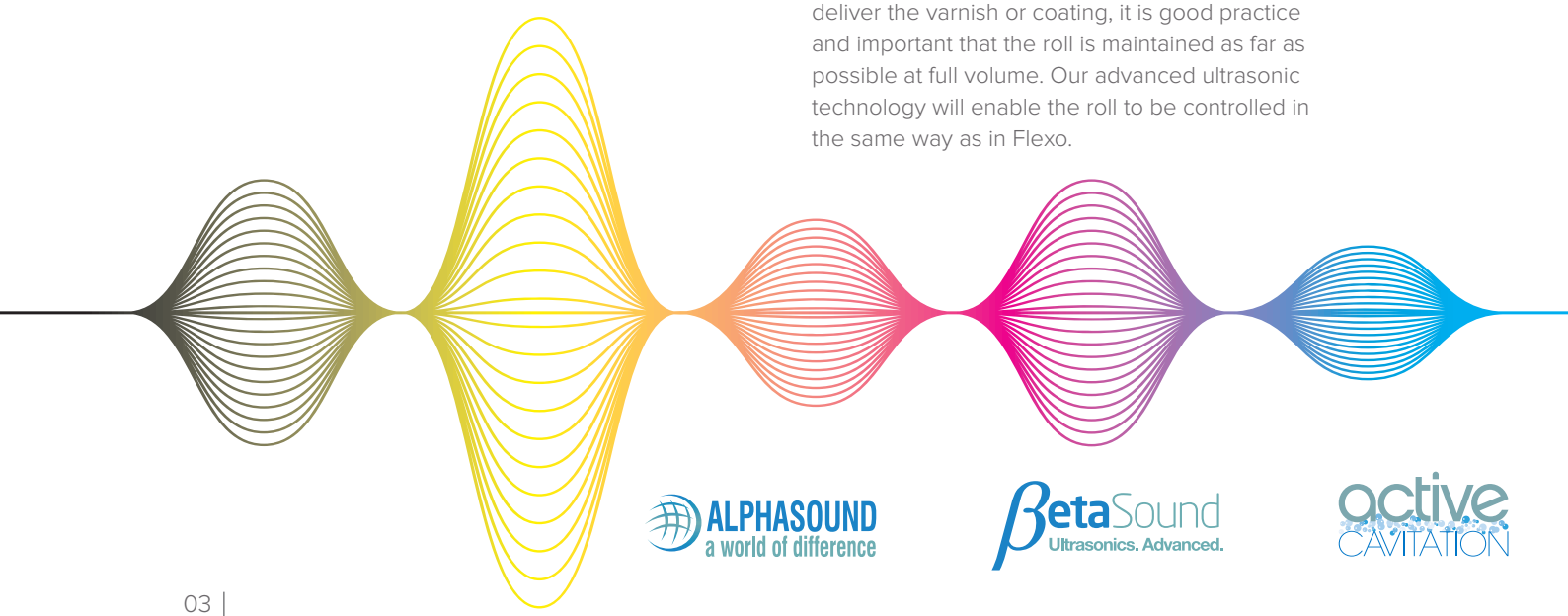
Control the anilox, control the process, control the profit.

Gravure

Our Alphasound cleaning systems provide an ideal way to keep gravure cylinders in absolutely pristine condition between print runs and up to 12 cylinders can now be cleaned simultaneously.

Offset

Controlling the coating weight in offset is important, not only for the quality of the printed job, but also for cost benefit. Where an anilox roll is used to deliver the varnish or coating, it is good practice and important that the roll is maintained as far as possible at full volume. Our advanced ultrasonic technology will enable the roll to be controlled in the same way as in Flexo.



ALPHASOUND a world of difference

BetaSound Ultrasonics. Advanced.

active CAVITATION

Cleaning Solutions

Alphasonics innovation and technical expertise has led to the development of a comprehensive range of products that can be tailored to suit your cleaning requirements.

With a total commitment to state-of the-art design, safety and complete user-friendliness, we can offer single or multi-tank systems and special bespoke equipment, all manufactured in-house by the team at our Liverpool headquarters. Alphasonics have developed a range of cleaning systems that will not only provide the highest and most consistent cleaning standards available, but are also completely safe for regular use even on the highest screen counts.

Plate Cleaning and Loading	PCX Series	Plaeto
Feature		
Available widths	450, 650, 950, 1200, 1400 (mm)	450, 650, 950, 1200, 1400 (mm)
Variable speed	✓	✓
Height adjustable	✓	✓
In feed conveyor (option)	✓	
Outfeed table (option)	✓	
External water re-cycling (option)	✓	

Parts Washing Systems	AS70	AS1200
Feature	Manual, Non-ultrasonic Parts Washing System	Ultrasonics Parts Washing System
Available widths	500mm	1200mm as standard Other widths available
Suitable for water based inks/coatings	✓	✓
Suitable for solvent based inks/coatings		✓
Suitable for UV inks/coatings		✓
Hand Cleaning	✓	
Ultrasonic Cleaning		✓
Flocculation Feature	✓	
Maneuverable	✓	

Anilox Cleaning Systems	Melanie SOLO	Melanie DUO	Melanie TRIO	Mia	Miranda	Megan	AlphaPlus
Feature	Bench top model	Bench top model	Bench top model	Bench top model	Floor-standing model	Floor-standing model	Floor-standing model
Available tank sizes	600, 710, 900, 1120, 1420, 1520, 1620, 1720 (mm)	600, 710, 900, 1120, 1420, 1520, 1620, 1720 (mm)	600, 710, 900, 1120, 1420, 1520, 1620, 1720 (mm)	430mm to 2300mm in 10mm increments	430mm to 2300mm in 10mm increments	430mm to 2300mm in 10mm increments	1000 to 5000mm
Number of rolls/cylinders capable of cleaning at a time	1, 2, 3, 4, 6, 8	1, 2, 3, 4, 6, 8	1, 2, 3, 4, 6, 8	1, 2, 3, 4, 6, 8	1, 2, 3, 4, 6, 8	1, 2, 3, 4, 6, 8	To suit requirements
Single frequency	✓	✓	✓	✓	✓		✓
Dual frequency	✓	✓	✓	✓		✓	✓
Betasound *	Option	Option	Option	Option	Option	Option	Option
Supersweeping generator					Option	Option	Option
Active cavitation	Option	Option	Option	✓	✓	✓	✓
Auto roll reversal	Option	Option	Option	✓	✓	✓	✓
Dual cycle time					✓	✓	✓
Temperate fallback					✓	✓	✓
Roll rotation	✓	✓	✓	✓	✓	✓	✓
Automatic dosing pump		Option	Option	Option	Option	Option	Option
Auto pumping					✓	✓	✓
Manually-activated pump cycle		Option	Option	✓	✓	✓	✓
Filtration		Option	Option	✓	✓	✓	✓
Flow detection				✓	✓	✓	✓
Integral rinse tank		✓	✓	✓	✓	✓	✓
Pump only cycle				✓	✓	✓	✓
LCD display	✓	✓	✓	✓	✓	✓	✓
Level detection					✓	✓	✓
Auto roll idle	✓	✓	✓	✓	✓	✓	✓
End of cycle alarm	Option	Option	Option	Option	Option	Option	Option
Chemical status indication		Option	Option	Option	Option	Option	Option
Generator status indicator					✓	✓	✓
Stainless steel filter cartridge		Option	Option	Option	Option	Option	Option
Height adjustable feet	✓	✓	✓	✓	✓	✓	✓
Inclusive roll supports	✓	✓	✓	✓	✓	✓	✓
Inclusive of lid	✓	✓	✓	✓	✓	✓	✓
Low level cut-out					✓	✓	✓
Hand spray gun		✓	✓	✓	✓	✓	✓
Proofing roll	✓						

* where more than one generator is required.

Melanie Range

Available in either single, dual or triple tank configurations, plus Alphasound or Betasound variants.

The Melanie range is our most affordable bench top cleaning system that can clean between one and eight anilox rolls simultaneously. It has a comprehensive cleaning ability which is equivalent to the top of the range systems but offers customers the opportunity to take advantage of market-leading technology at a lower cost.

Melanie Solo

Anilox or Plate Cleaning System with a maximum weight capacity of 30 kilos.

Features and Benefits

- Dedicated budget bench top roll cleaning device
- 8 tank lengths available: 600mm, 710mm, 950mm, 1120mm, 1420mm, 1520mm, 1620mm and 1720mm. Longer lengths will accommodate one/two offset coating or flexible packaging anilox sleeves up to 1680mm face and 200mm diameter
- Tank widths: 250mm, 350mm and 450mm
- Includes manual fill and simple drain
- Up to 8 x 16” face label sized rolls
- Closed rotation
- LCD cycle/diagnostic display
- PLC control
- Available in Single or Dual frequency
- Automatic dosing pump (option)
- Stand (option)
- Active Cavitation (pat) (option)
- Auto Roll Reversal (option)
- Betasound (pat) (option available on systems with more than one generator)
- Chemical status indication (option)

Melanie Duo

Anilox or Plate Cleaning System with Rinsing Station and a maximum weight capacity of 30 kilos.

Features and Benefits as per Melanie SOLO, plus:

- Includes mains fill, drain and overflow
- Includes rinse tank, spray wash facility and services management bulkhead

“HP own an Alphasonics Melanie 600-2250 DF/2 Anilox Cleaner SOLO. This is the second system we have received. It is efficient, a straightforward system to use and is just what we need for a narrow web solution. As a team, Alphasonics are very responsive; I can send an email asking for power consumption and receive the answer within a few minutes. Overall, I am very pleased with this Ultrasonic cleaner.”

Derek Cheng, HP

Melanie Trio

Anilox or Plate Cleaning Combination System with Rinsing Station and a maximum weight capacity of 30 kilos.

Features and Benefits as per Melanie DUO, plus:

- Dedicated combined Anilox and Plate cleaning system
- Separate plate cleaning tank including plate cleaning cylinder

Melanie PRC430 Proofing Roll Cleaner

This variation of the standard Melanie SOLO series is especially designed to accept proofing rolls. 2 sets of driven, plastic coated shafts enable the system to accept and rotate proofing rolls of various lengths and diameters at one time. The PRC430 device includes our Alphasound technology and can be supplied with a range of options that are available with the standard Melanie SOLO series.

Features and Benefits

- Dedicated budget bench top proofing roll cleaning device
- Tank length: 430mm
- Tank width: 250mm
- Includes manual fill and simple drain
- Designed to accept several proofing rolls of differing dimensions
- Closed rotation
- LCD cycle/diagnostic display
- PLC control
- Available in Single or Dual frequency
- Automatic dosing pump (option)
- Stand (option)
- Active Cavitation (pat) (option)
- Auto Roll Reversal (option)

Mia

An affordable system with high specification features and a maximum weight capacity of 120 kilos.

Features and Benefits

- Compact and simple to control
- Tank lengths from 430mm to 2300mm in 10mm increments
- Tank standard widths 250mm, 350mm, 450mm and 500mm
- Non-standard tank widths available
- Includes rinse tank, spray wash facility and services management bulkhead
- Manually activated pump and filtration system for tank cleanliness and chemical longevity
- Closed rotation
- LCD cycle/diagnostic display
- PLC control
- Available in Single or Dual frequency
- Stand (option)
- Automatic dosing pump (option)
- Active Cavitation (pat) (option)
- Auto Roll Reversal (option)
- Chemical Status indication (option)
- Betasound (pat) (option available on systems with more than one generator)

Miranda

Top quality Alphasound technology providing superior, safe and consistent cleaning with a maximum weight capacity of 120 kilos.

The Miranda series of floor standing models guarantees top quality Alphasound technology at an affordable price. Manufactured to exacting standards, the Miranda system can be found in pressrooms around the world.

Features and Benefits

- Floor standing model.
- Single frequency only for safe, regular effective cleaning of rolls with screen counts up to 800lpi (315lpc)
- Standard format includes lengths from 430mm to 2300mm in 10mm increments
- Tank widths 250mm, 350mm, 450mm and 500mm
- Non-standard tank widths available
- Automatic pump and filtration cycle for tank cleanliness and chemical longevity
- Closed rotation
- Low level lock out
- Temperature fall back
- Includes rinse tank, spray wash facility and services management bulkhead
- PLC control
- LCD cycle/diagnostic display
- Active Cavitation (pat)
- Auto Roll Reversal
- Chemical status indication (option)
- Generator output status indication (option)
- Betasound (pat) (option available on systems with more than one generator)

DFTA

"Our Flexo Technical Institute DFTA Technology Centre in Stuttgart has used Alphasonics products for a number of years and have always been very happy with them. We have convinced ourselves about this Ultrasonic Technology to be at the very forefront of technology and openly recommend it to be used by our Association members."

Prof. Dr. Martin Dreher, Director at DFTA Stuttgart

Megan

Highest specification Alphasound technology providing superior, safe and consistent cleaning with a maximum weight capacity of 120 kilos.

The Megan series of floor standing models incorporates the very highest technological advantages in Alphasound research. Manufactured to exacting standards, the Megan system can be found in pressrooms around the world.

Features and Benefits

- Floor standing model
- Dual frequency for safe regular effective cleaning of rolls with screen counts up to 2000lpi (780lpc)
- Standard format includes lengths from 430mm to 2300mm in 10mm increments
- Tank widths 250mm, 350mm, 450mm and 500mm
- Non-standard tank widths available
- Automatic pump and filtration for tank cleanliness and chemical longevity
- Closed rotation
- Low level lock out
- Temperature fall back
- Includes rinse tank, spray wash facility and services management bulkhead.
- PLC control
- LCD cycle/diagnostic display
- Active Cavitation (pat)
- Auto Roll Reversal
- Chemical status indication (option)
- Generator output status indication (option)
- Betasound (pat) (option available on systems with more than one generator)

BOBST

"In our Competence Center at Bobst Firenze, we use an Alphasonics Megan system to clean our aniloxes when conducting press acceptance tests and for our general use. We have found the Alphasonics Megan system very effective and easy to use. It gives great results every time."

Matteo Losito,
Competence Center Manager at Bobst

Alphaplus

Our Alphaplus system provides superior, safe cleaning and can deal effectively with the most difficult roll cleaning tasks in wider web flexo or gravure.

As part of the Alphasonics range of bespoke Ultrasonic cleaning systems, the Alphaplus large roll systems raise the standards of large end, heavy or specialised anilox roll and gravure cylinder cleaning.

This system is ideal for companies with a wide variety of presses.

Features and Benefits

- Up to 5 metre roll face width systems available
- Floor standing model
- Dual or Single frequency for safe, regular effective cleaning of rolls with screen counts up to 2000lpi (780lpc)
- Standard format includes lengths from 1000mm up to 5000mm in 10mm increments
- Tank widths to suit application
- Multi-roll capacities available
- Automatic pump and filtration for tank cleanliness and chemical longevity
- Closed rotation
- Low level lock out
- Temperature fall back
- Includes rinse tank, spray wash facility and services management bulkhead.
- PLC control
- LCD cycle/diagnostic display
- Active Cavitation (pat)
- Auto Roll Reversal
- Chemical status indication (option)
- Generator output status indication (option)
- Betasound (pat) (option available on systems with more than one generator)

Plate Cleaning and Loading

PCX Series

A compact system offering unmatched cleaning results - worry and effort free.

The fully automated brush type plate cleaner eliminates the problems associated with dirty plates. With optional inlet conveyor and outlet systems, the PCX series delivers clean and dry plates with minimum fuss.

Features and Benefits

- Systems for narrow web through to corrugated
- Available in 450mm, 650mm, 950mm 1200mm or 1400mm widths
- Plates cleaned to the highest standards in a matter of minutes
- Easy loading and unloading
- Time and labour saving
- Easily adjustable settings
- Rinsing and drying features included
- Closed circuit water recycling and filtration
- Little or no maintenance required
- External water recycling, inlet and outlet conveyor options available

INOMETA

"From our point of view, the systems from Alphasonics have convinced us in their combination of cleaning effect and material protection. In collaborative projects, Alphasonics have shown that everything is possible; from standard systems to special applications."

Cedric Tappe, Managing Director

Plaeto

The Plaeto Vertical Plate Loading System from Alphasonics has been designed to maximise the throughput of our PCX range of plate cleaners, while maintaining a small footprint.

Plate cleaning is historically a labour-intensive task, even with an infeed conveyor. Plateo frees up the labour requirement enabling other tasks to be undertaken while plates are automatically loaded into cleaned in the PCX system.

Features and Benefits

- Situated in front of the PCX
- Automatic loading system
- No need for an operator
- Available in five widths: 450mm, 650mm, 950mm, 1200mm and 1400mm
- Minimum capacity between 15 and 30 plates (depending on width)
- Suitable for printers with a high volume of plates to clean

AS Parts Washing Systems

These devices fall into our Alphaplus range and as such are designed and made to order.

Ultrasonics is a great way of removing inks and coatings from ink trays and chambers. ALP parts Washing Systems are a positive addition to any pressroom and are even safe for aluminium chambers.

AS70

Non-Ultrasonic AS70 is an innovative and award-winning parts washing system for water-based inks and coatings that includes a flocculation feature. Flocculation works by reversing the polarity of the pigment and rendering these pigments into flocs that simply fall out of suspension. It is a simple process to filter out these flocs, enabling the resulting clear water to be re-used or safely disposed of to drain. This process also works on waste water from photopolymer wash out systems.

As environmental legislation continues to get ever more stringent, the flexo printer increasingly needs to stay one step ahead to ensure compliance, including effective management of waste disposal costs.

The AS70 is a highly versatile, cost effective and environmentally friendly system.

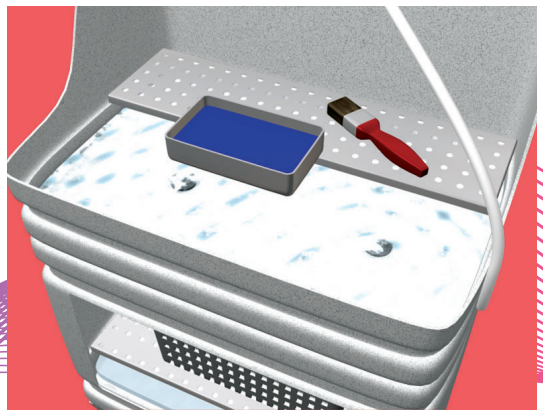
Features and Benefits

- Environmentally friendly
- Highly mobile - mounted on wheels
- Very low capital and running costs
- Easy to use
- Closed loop on board water treatment system saves money
- Greatly reduces water and disposal costs
- Legislation compliant

AS1200

The AS1200 ultrasonic parts washing system has been specifically designed to clean ink trays and chambers contaminated with UV, solvent or water-based inks.

Like our ALP systems, these devices are made to order, but the standard size is 1200mm x 600mm. There are several unique features included within this model such as 'Rise and Fall'. This features lifts and lowers the trays/chambers during the cleaning cycle, thus greatly enhancing the cleaning process and helping to protect any aluminium that may be present.

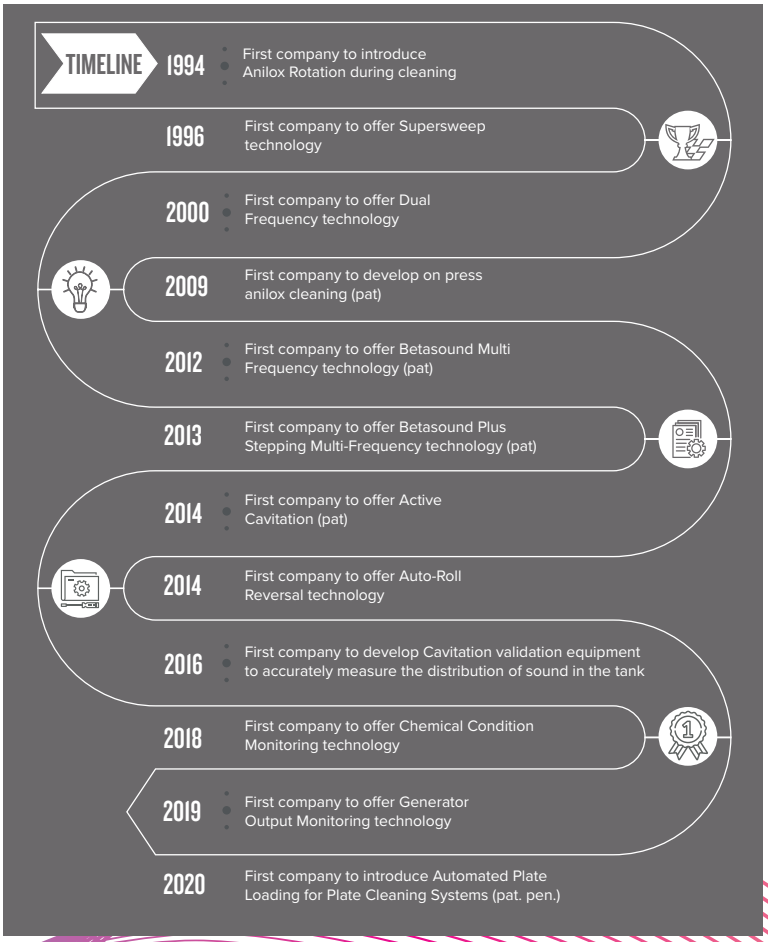


Research & Development

R&D is at the heart of what we do.

We have had an active research and development (R&D) department since 1993. Several of our projects have enabled great strides in both the understanding and requirements of Flexo in particular that have enabled the sector to develop and grow as it has since the early 1990's. Our developments over the years have for sure enabled the use of higher screen aniloxes and plates, as the ability to safely clean is paramount to their successful use. Indeed, our technology is so advanced that if the anilox producers were to offer a 3000lpi (1200lpc) anilox today, tomorrow a system would be available to clean it the day after.

As a result of our heavy investment in R&D, we have continually added features to our standard equipment. This has resulted in the granting of several worldwide patents.



XEIKON

""At Xeikon, we have used Alphasonics cleaning systems for many years as we realise the importance of keeping the Anilox Roll as clean as possible. We've also found this equipment easy to use, giving us great results."

Filip Weymans
VP Marketing, Digital Solutions

Research and development is an aspect of Alphasonics that we are proud to continue working on year after year and our continual aim is to push boundaries to help drive the industry forward and provide you with the best in cleaning technology possible.

Testimonials, Friends & Partners

ABG International
"Here at ABG International, we have had an Alphasonics Melanie system in our facility since 2010 and have found it to be a very useful tool in keeping our Aniloxes clean. It is easy to use, safe and very effective. We have also recommended several of our customers to buy an Alphasonics system and as far as we're aware, they are all very happy with their equipment."

Central Piedmont Community College
"We have had the Melanie 600-2250 DF Duo in our lab since 2018. The Melanie 600-2250 DF Duo has brought new life to the oldest and most abused aniloxes we have as well as keeping newer ones on the cusp of performance. We have rollers that are in the area of 15 years old that look like they are next to brand new due to the performance of the Alphasonics cleaner. It is remarkably easy to use and maintain. With very little training our students love to use the unit. It has drastically improved the consistency of our solid ink densities in spot colour and process colour reproduction. On top of how awesome the product performs, the team at Alphasonics USA has been friendly, knowledgeable, and responsive in the rare instance there has been an issue."
Zachery Blackburn, Instructor Graphic Arts/Flexography at Central Piedmont Community College.

DFTA
"Our Flexo Technical Institute DFTA Technology Centre in Stuttgart has used Alphasonics products for a number of years and have always been very happy with them. We have convinced ourselves about this Ultrasonic Technology to be at the very forefront of technology and openly recommend it to be used by our Association members."
Prof. Dr. Martin Dreher, Director at DFTA Stuttgart

Edale
"Alphasonics have been a trusted supplier to Edale over many years and we have built a strong relationship with them. They have supplied us with their Alphasonics cleaning unit Megan 850-3350 and it has been fundamental to safely cleaning our Anilox rolls to ensure the best quality flexo print jobs. The Megan 850-3350 has been used by our customers worldwide and is also presented in our print showroom at our UK Headquarters in Whitely."
James Boughton, Managing Director at Edale Ltd

Harper
"Harper recognize Alphasonics and are happy to consider them as a partner and friend."
Lee Harper, CEO at Harper Global Graphics Inc.

Inometa
"From our point of view, the systems from Alphasonics have convinced us in their combination of cleaning effect and material protection. In collaborative projects, Alphasonics have shown that everything is possible; from standard systems to special applications."
Cedric Tappe, Managing Director at Inometa

Mark Andy
"Mark Andy have used Alphasonics equipment in our facilities worldwide since 1995. Our operations in US, Europe, UK and China have all taken great benefit from the use of this technology over the years. We have been very pleased with our association with Alphasonics and expect this to continue."
Tom Cavalco, Executive Vice President, International Business at Mark Andy Inc.

MPS
"I have known and worked with Alphasonics for many years, so it was a no brainer that we should have their kit in our new US showroom. The equipment is of a very high specification, safe, effective and compact. Also in the US, we are supported by Chris Jones who is very helpful."
Dilip Shah Sr. Technical & Sales Support Manager at MPS Systems North America Inc.

Nilpeter
"Cleanliness – especially for Anilox Rollers – is of paramount importance in quality Flexo printing – and that's where Alphasonics come in on top."
Jakob Landberg, Sales & Marketing Director at Nilpeter A/S

Omet
"We originally got our Alphasonics Megan 1050-3350 system in 2014 and upgraded it in 2017. This piece of equipment works most days in our demo centre and has made a great difference to how we approach Anilox Cleaning. It works well and is very effective in keeping our Aniloxes clean. Someone also told us that this equipment was dangerous for our Aniloxes, but this has not been the case with our common Anilox Rollers that we found out on the market. We would highly recommend this machine."
Alfonso Melesi at Demo Centre Manager, Omet srl

Soma
"Keeping the Anilox as clean as possible is essential for high quality Flexo printing. At Soma Globe Technology Centre, we have been using an Alphasound system for several years for the cleaning of Anilox Rollers. We have found this device to be very effective and capable of delivering very clean Anilox Sleeves. We believe that the use of such a system provides great benefit to our customers.
Zbynek Zemanek, Demo Centre Specialist at Soma

Sonoco Institute Clemson University
What is the best part about using this device?
The easy results! The first time we used this machine we went after cleaning one of our toughest anilox rolls used for researching coatings. After a 15 minute cycle it had a visibly different cleanliness to it. After seeing this result, we were eager to clean the rest of our rolls. This was the same result with every one of our anilox rolls!
What process differences have we implemented since?
We have no automatic washout systems on our press. Everything is done by hand per station. Getting a thorough cleaning with every use was very difficult. Aside from hand cleaning, we used to do a once every 3 months ultrasonic washing because we would need focused time to make sure we did not submerged our anilox rolls too long and because the cycles took too long. Being a research facility, we really needed to be able to do this more frequently, use less time, and not have to worry if the roll sat in the cleaner too long. With the Melanie II we can now ultrasonic our rolls as part of our station clean up process. We actually can clean up each station faster and have an ultrasonically cleaned roll after every use. This was a perfect solution for us considering our research needs.
What were the unexpected benefits from using the Melanie II?
Faster clean ups and employee engagement in cleaning. We saw positive changes in the way our employees treated the anilox rolls and an employee lead creation of an anilox inventory and usage document. Once we got the Melanie II, they were cleaning every anilox they could find!
Kenny Tucker, Clemson University

TLS Anilox GmbH
"TLS Anilox GmbH clean customers Aniloxes with Alphasonics cleaning machines. They are fast, easy to handle and save the Anilox and its ceramic surface even with high screen count engravings. Our customers send us their Aniloxes for cleaning which are contaminated and varnish bases. The ultrasonic cleaning is very powerful, and we receive deep cleaning results in a short time."
Andreas Willeke, CEO at TLS Anilox GmbH

Xeikon
"At Xeikon, we have used Alphasonics cleaning systems for many years as we realise the importance of keeping the Anilox Roll as clean as possible. We've also found this equipment easy to use, giving us great results."
Filip Weymans, VP Marketing, Digital Solutions

Zecher
"For us at Zecher, as a world leading manufacturer of Anilox rollers, it is necessary to have different cleaning options in house to help customers with their cleaning problems. Zecher the technology of two Alphasonics cleaning systems, which fulfils the customer needs and their expectations. The technology of Alphasonics is easy to handle and the results are more than comparable to other modern cleaning methods."
Rüdiger Wand, Managing Director at Zecher GmbH

Customer Charter; Our promises to you

Our Product Promise

All Alphasonics systems are custom-built at our Liverpool headquarters, by our in-house team and as part of our ISO 13485 quality management system, we ensure that the correct certification is supplied with every new device manufactured.

We can promise our customers that they will receive consistent results from the latest in cutting-edge, Advanced Ultrasonic Cleaning Technology, as well as zero ultrasonic damage to Anilox Rolls or any other items. As our equipment is customised to the customer's specific requirements, we strive to support their business as much as possible using our devices.

There is no outsourcing of production and with quality procedures in place for a high build quality, we are confident that our equipment will continue to deliver excellent results day in, day out for many years.

Aftercare

From the initial enquiry to installation and beyond, our team are always on hand to support our worldwide customers.

Every new device comes with a 24-month warranty (excluding PCX) to ensure all our customers have the protection they need. If repairs or services are required, we will ensure that the work is carried out as quickly and efficiently as possible.

What To Expect From Our Team

Alphasonics have been part of the high-quality British manufacturing industry since 1993 and we are proud to continually deliver the best advanced ultrasonic cleaning technology to our customers.

From America to Europe to Asia, our worldwide agents are experts in the field and continue to share the same philosophies and values as our in-house team do.

Roll Safety Guarantee

Since Alphasonics opened, we have never received a complaint for Ultrasonic damage to an anilox roll. In 2016, the development of a device that accurately measures the activity of ultrasound in a tank of fluid, conclusively showed that Ultrasonic damage is impossible with an Alphasonics device. This fact was originally demonstrated in 2015 when we carried out a live simulated cleaning trial at Labelexpo. The video and analytical evidence from our Cavitation Validation Device (CVD), gives us great confidence to issue a Roll Safety Guarantee with every system sold into the Flexo industry, no matter who the roll manufacturer is. To our knowledge, no other manufacturer in this sector has the confidence in their own product to do this.

On-Going Performance Guarantee

Achieving optimum performance and enabling full control of the Anilox is conditional to the on-going performance of the cleaning system. In this regard, we are delighted to also offer a performance guarantee with this technology. (Conditional to regular scheduled maintenance being carried out).

At Alphasonics, we don't just manufacture the best ultrasonic cleaning equipment - we endeavour to build lifelong partnerships with all of our customers.

ZECHER

"For us at Zecher, as a world leading manufacturer of Anilox rollers, it is necessary to have different cleaning options in house to help customers with their cleaning problems. Zecher the technology of two Alphasonics cleaning systems, which fulfils the customer needs and their expectations. The technology of Alphasonics is easy to handle and the results are more than comparable to other modern cleaning methods."

Rüdiger Wand, Managing Director at Zecher GmbH

ALPHASONICS
ADVANCED ULTRASONIC CLEANING SYSTEMS

18 Caddick Road
Knowsley Business Park
South Knowsley
Merseyside
L34 9HP
United Kingdom

T +44 (0) 151 547 3777 **E** david@alphasonics.co.uk www.alphasonics.co.uk
@AlphasonicsUCS Alphasonics UCS Ltd

ALPHASONICS USA
ADVANCED ULTRASONIC CLEANING SYSTEMS

Alphasonics USA Inc.
8942 Quioccasin Road
Suite 102
Richmond, VA 23229
USA

T + 1-804-441-8865 **E** chris@alphasonics.co.uk www.alphasonicsusa.com
@AlphasonicsUSA Alphasonics USA Inc