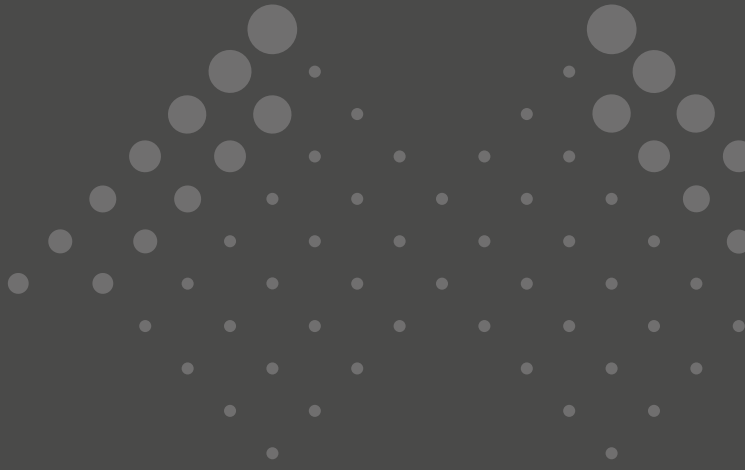


@ absolute





The original and the best woven carbon fiber dual-blade system

Incorporated into many of the world's most productive flexo printers, the Absolute 2G chamber is the original woven carbon fiber dual-blade system for all flexo applications.

Discover **2Gchamber**

A chamber profile to suit your specific anilox

No other company produces such a full spectrum of chamber profiles to suit your individual anilox diameter and face. So whatever your specifications, you can trust Absolute to provide the best solution.

Safety

Because Absolute chambers are significantly lighter than traditional aluminium, they can safely be lifted by a single operator.

A 96"/2,400mm-wide Absolute chamber weighs 35lbs/16kg, while a 64"/1,657mm Absolute chamber weighs 19lbs/9kg – 65% less than their aluminium equivalent.



The evolution of blade removal



Tool and allen key

Fiddly, risky, slow, and prone to uneven torque causing rapid blade wear.



Wingnut system

Quicker than tool & allen key, but still prone to human error and uneven blade wear.



2G System

Absolute's quick-release system is less fiddly, measurably faster, maintenance free and totally reliable.

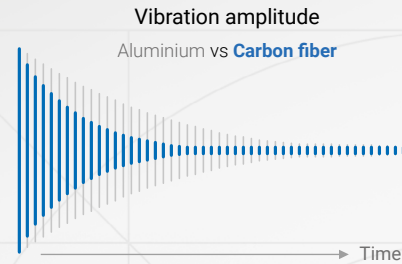
Reduce print unit downtime

Your print unit downtime can be greatly reduced with Absolute's tool-free blade clamp which allows a single operator to change blades on a 108"/2750mm chamber in 4 minutes.

Unique vibration damping construction

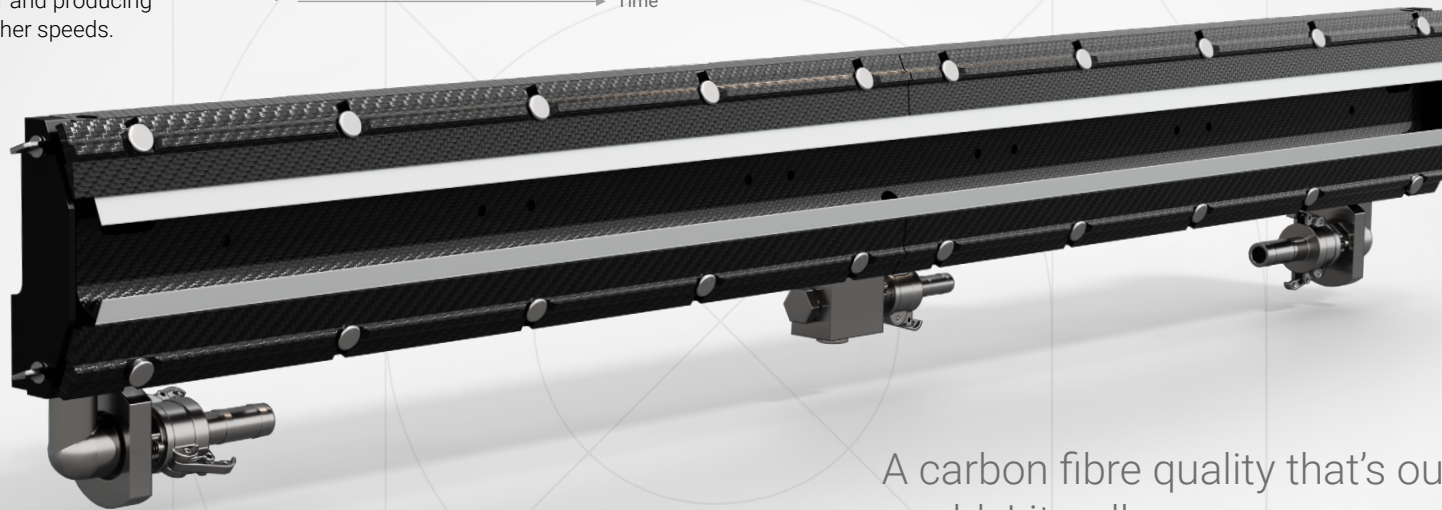
Flexo often suffers from vibration issues, partly due to the plate layout or to weakness in the actual unit design. Again, Absolute has provided the answer.

Our 2G Chamber is specifically designed and built with carbon fiber, which absorbs vibration, allowing your unit to run faster without bounce or chatter and producing superb print quality at higher speeds.



No corrosion guaranteed & credible

Absolute guarantee our 2G Chamber against corrosion for 15 years. We make this offer with every confidence: After 15 years in business, we have never had a unit returned.



A carbon fibre quality that's out of this world. Literally.

There's nothing new about carbon fibre chambers, but 2G Chamber construction uses extruded carbon fibre for exceptional strength and a grade that's used in aerospace engineering.

Designed by the experts from Absolute and Pamarco, 2G Chamber is the result of 70 years' experience in flexo and continual investment in technology for rigorous product development.

Non-twist or warp

Due to fluctuating and extreme temperatures, plastic-moulded products such as nylon and UHMW age over time, resulting in bowing, twisting and warping of the structure. Aluminium extrusions also experience warp, as it is impossible to alleviate stress after the final machining process.

This stress eventually causes the material to twist, making it impossible to produce an even wipe across the anilox. Consequently, product rejection is massively increased with inevitable delays.

By comparison, woven carbon fiber is unaffected by variations or extremes in temperature; consistent doctoring is maintained regardless of the harsh environment in which the unit operates.



@ 2Gchamber

Technology from the minds of

 absolute  pamarco

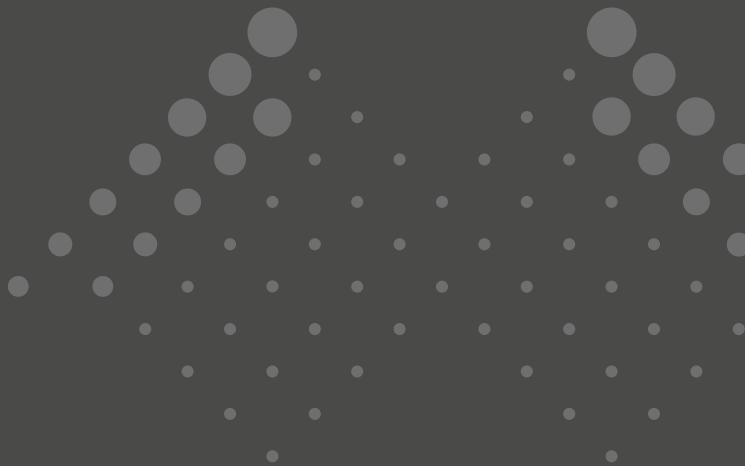
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Votre Partenaire absolute en France:

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chamber⁽³⁾



The most successful chamber system available

Chamber3 showcases our unique new AirClamp Technology, engineered to dramatically improve the way our already renowned 2G chamber works. While conventional chamber clamp systems seize up with use, AirClamp delivers safe and trouble-free fitting and removal, again and again for years not just weeks.

Blade pressures are equalised automatically enabling a system that is quick and reliable.

Discover **chamber⁽³⁾**

A blade change becomes a pit stop

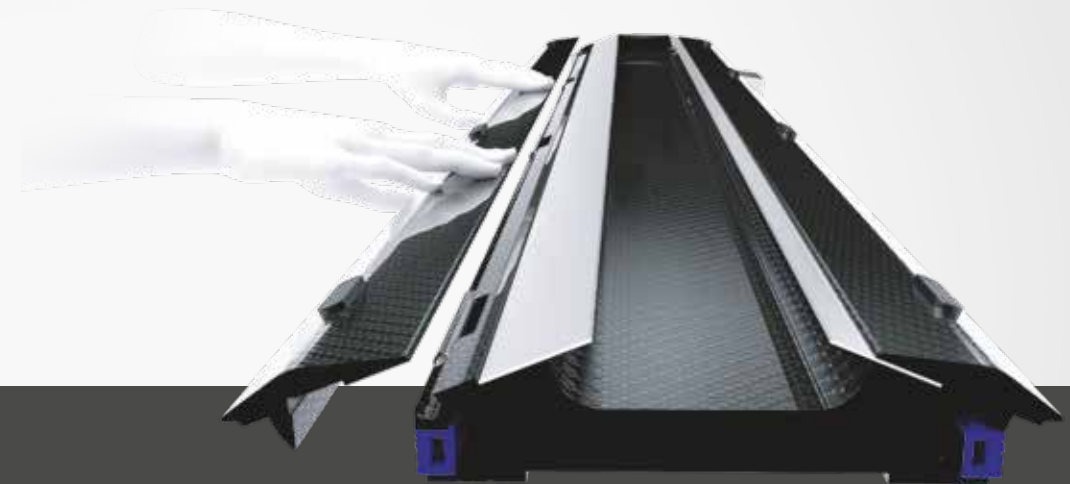
AirClamp is a revolutionary technology which enables Chamber3 to offer the most effortless blade changes ever seen on a chamber. One button operation releases or secures the blade. With no tools required, Chamber3 is the fastest blade change ever.

The safest chamber we've ever made

With AirClamp technology Chamber3 is simple, strong and super-lightweight. The tool-free operation ensures minimum operator intervention with fewer parts reducing risk to staff and machinery. Simplicity through design results in a chamber with safety in mind.

Longer life

Our integrated linear seal is accurately positioned to keep ink exactly where it belongs, the seal's integrity is not compromised allowing a flat blade contact to the chamber body. With no conventional clamp system and utilising a 100% carbon clamp there is no risk of corrosion, which keeps it working at its best. Permanently.



The evolution of blade removal

AirClamp brings unprecedented speed to the task of changing doctor blades. How fast? How about two blades in 140 seconds fast.



Tool and allen key

Fiddly, risky, slow, and prone to uneven torque causing rapid blade wear.



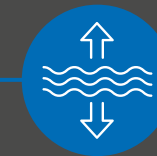
Wingnut system

Quicker than tool & allen key, but still prone to human error and uneven blade wear.



2G System

Absolute's quick-release system is less fiddly, measurably faster, maintenance free and totally reliable.



AirClamp

Fuss-free, faster than fast, with blade pressure automatically equalized for longer blade life.

TrueBalance

Perfect balance, incredible precision

TrueBalance technology is chamber evolution. Our unique AirClamp system creates equalised pressure - or true balance - along with the full length of the doctor blade. TrueBalance ensures consistent contact to the Anilox roll end to end. A precision clean wipe and minimal contact across the surface of the Anilox roll ensures equal and prolonged blade life, less chance of friction and flutter creating perfect metering of the anilox roll and exceptional print results.



Guaranteed for 15 years

We're a business built on getting things right, however long that takes. By the time our products are ready for launching, we're confident they're not just up to the job – they'll do it brilliantly. Our products have been supplying your industry for almost 20 years – today, we offer a fuss-free guarantee with every product we make, and it covers that product for 15 years because we've made long-lasting performance an integral part of that brilliance.

A Chamber3 to perfectly fit your flexo

Our Chambers have been enhancing the world's most productive flexo systems for almost 20 years, so we've seen it all in terms of diameters, lengths and profiles. Today, our range of profiles is guaranteed to include the perfect doctoring angle for your system. If you need us to incorporate some additional elements, our bespoke design resource will create it from scratch. We'll go one better too, because we're the only team whose products are meticulously designed to provide the optimum doctoring system whatever your print unit. Expect perfect wipes and perfect colours, day in, day out.

Not all carbon is created equal

There's nothing new about carbon fibre chambers but we wanted a product built without compromise from the highest grade materials, so we chose high-density woven carbon instead – the same material used in aerospace, ballistic missiles and Formula 1. That's why Chamber3 is measurably more rigid and stable at ultra-high speeds and under real-world conditions, giving lower blade wear and better overall print consistency.

Designed by the experts from Absolute and Pamarco, Chamber3 is the result of 70 years' experience in flexo and continual investment in technology for rigorous product development.

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@ chamber⁽³⁾

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sono



The world's first on-press ultrasonic anilox cleaner

As the world's first and only ultrasonic on-press cleaner, SONO changes everything. In fact, anilox cleaning will never be the same again. Now you can control the heart of your flexo station and guarantee your customers the consistent colour management they insist on.

Take control of ink and colour management on your flexo. There's never been an on-press anilox cleaner capable of 100% cell retrieval.

Until **sono**

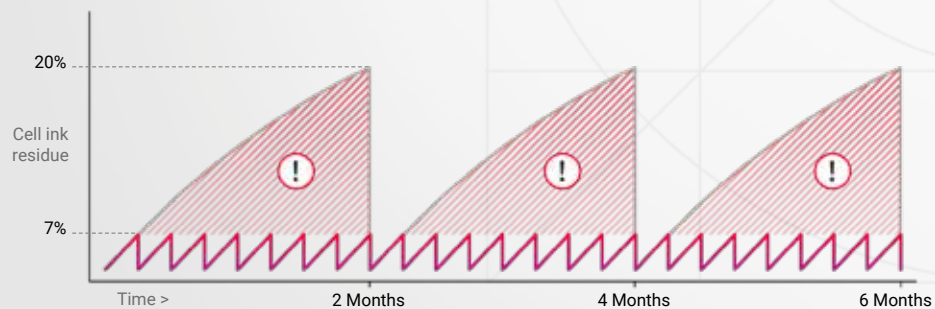
Two operatives
Twenty minutes
Job done

Cleaning up to eight times faster


It's not quite blink-and-you'll-miss-it fast, but it's very close. SONO's revolutionary design and on-press ultrasonic technology accelerates installation, cleaning and removal cycles to as little as 20 minutes, and that's from start to finish. Alternative anilox roll cleaners either require removal of the roll or a compromise on cleaning performance. Now SONO has arrived, the compromise you had to make has gone – completely.


Consistently cleaner rollers

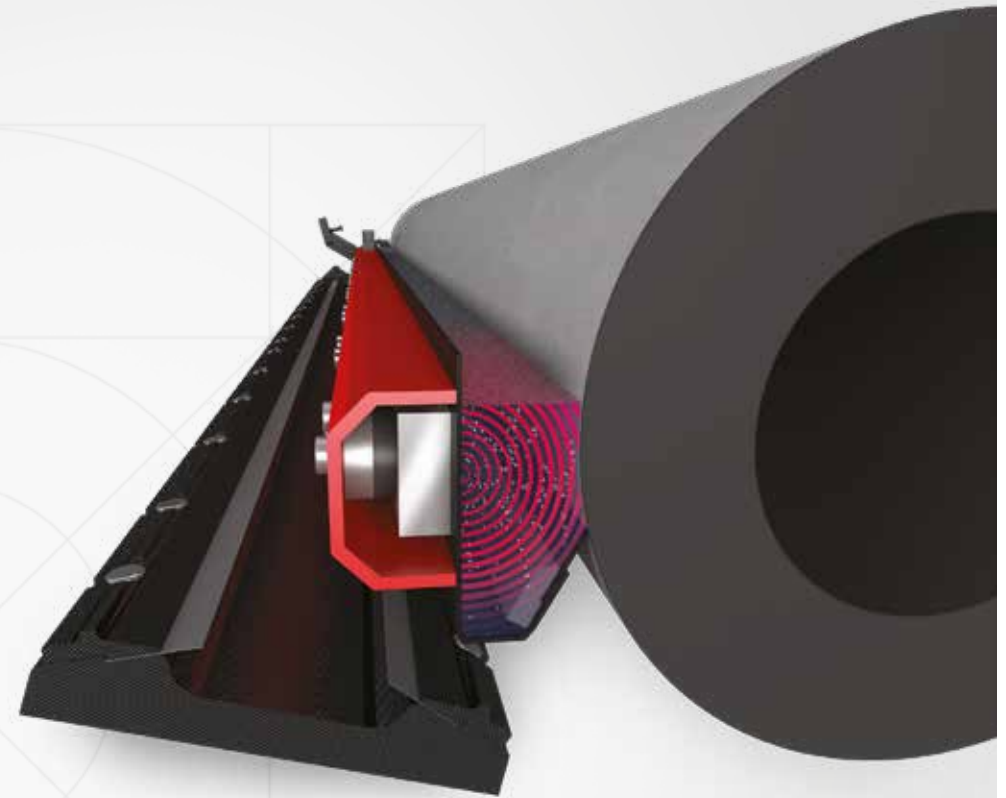
SONO's speed and ease of use means that you can schedule cleaning of your anilox rollers on a more regular basis, preventing ink residue from building up resulting in loss of colour density and print definition.



 **sono**
cleaning

 Typical off-press
ultrasonic cleaning

 Unacceptable
colour variation



Unparalleled cleaning

SONO's finely-tuned ultrasonic cleaning system is a bit of a perfectionist, working at a microscopic level to thoroughly cleanse every individual anilox roller cell. It means ink residue is removed entirely.

SONO's unique on-press design uses a smaller volume of cleaning solution, enabling it to achieve a far higher KW/m³ of ultrasonic power compared to 'in-tank off-press' cleaning. It's this increased power that delivers a clean that's measurably more thorough (even by ultrasonic standards) across 100% of the roller.

Smart
Consistent
Fast

On-press speed and safety

SONO works on-press, so there's no need for painfully slow and potentially dangerous anilox roller removal, and you don't need the team of Maintenance Engineers to do it.

Think about it: all that time, equipment and health & safety risk that comes with preparing your rollers for cleaning, all gone. Because rollers are cleaned by print operatives in-situ, there's no chance of damaging them.

No maintenance crew involvement, and no forklifts, docking units, carrier trolleys or hoists. It's just one more way SONO helps reduce the everyday challenge of running your flexo smoothly.

Your roller stays installed

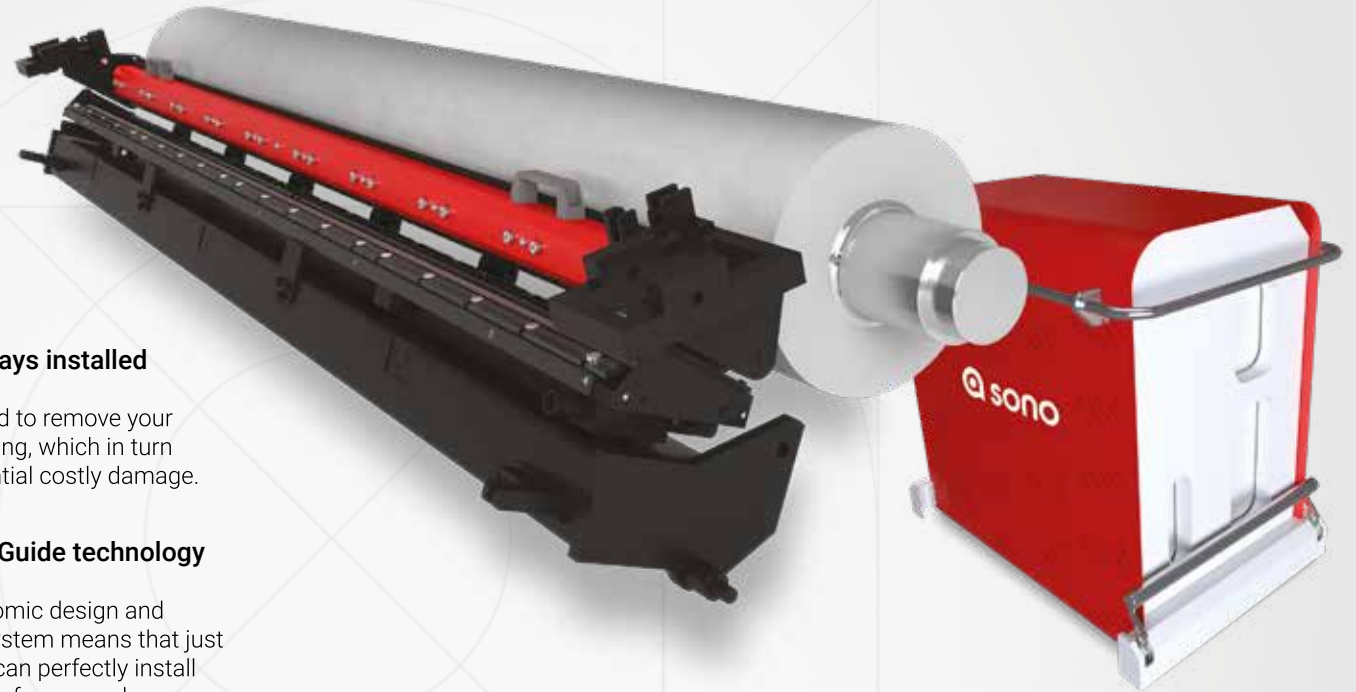
There's no need to remove your roller for cleaning, which in turn prevents potential costly damage.

SONO SmartGuide technology

SONO's ergonomic design and SmartGuide system means that just one operative can perfectly install SONO on-press for every clean.

Highly mobile

SONO consists of two key components: the SONO ultrasonic cleaning unit which fits against the anilox roller, and the Pod console. Every aspect of the system has been developed for maximum portability, radically improving both safety and efficiency.



Best of both worlds from a world leader

SONO is unique because it's the only anilox cleaner to successfully combine ultrasonic technologies with an on-press format. Designed by the experts from Absolute and Pamarco, Sono is the result of 70 years' experience in flexo and continual investment in technology for rigorous product development.

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