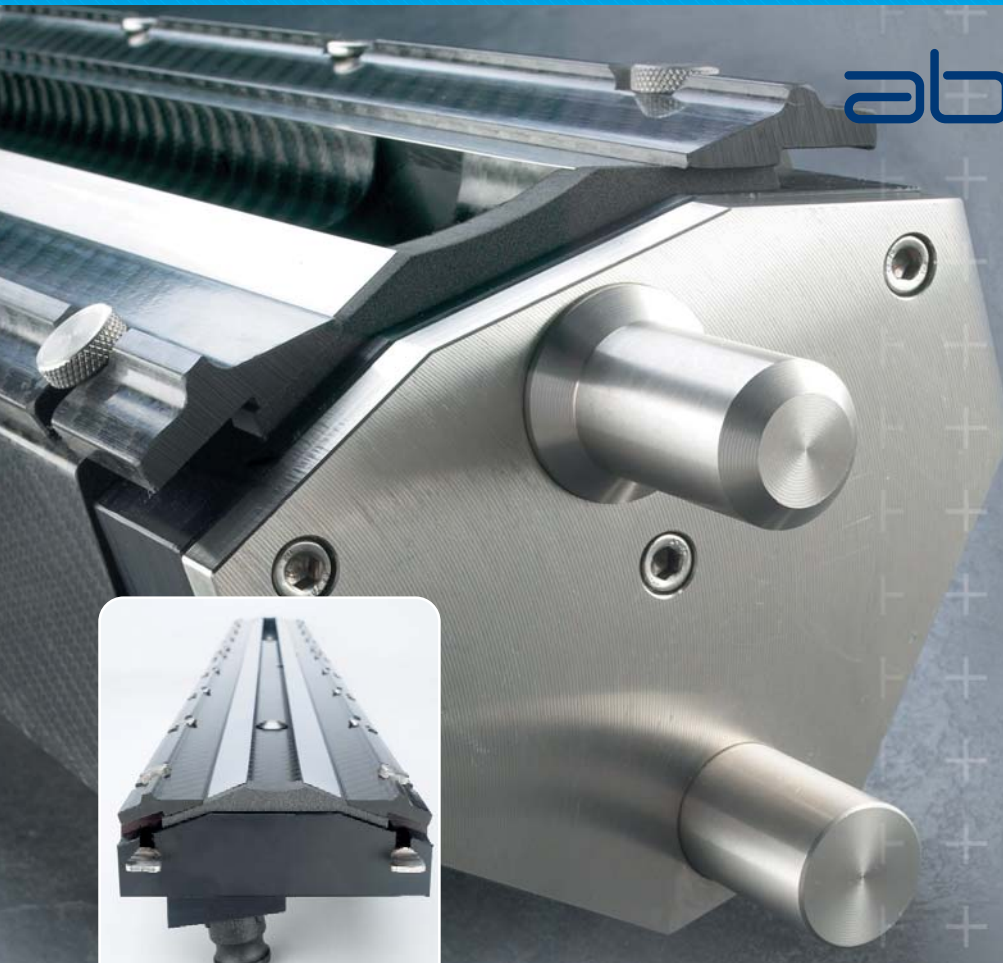


absolute



2G

## Woven carbon fiber dual chamber system for all flexo applications

### Key benefits achieved by existing customers include:



#### Anti-corrosion guarantee

Uniblade is manufactured from high grade woven carbon fiber combined with stainless steel components. This guarantees resistance to high or low pH solutions, allowing Absolute to offer a unique 15 year guarantee against corrosion.

#### Rapid blade change

Boasting a blade change time of less than 3 minutes on 1,250mm (49") chamber, the 2G can massively reduce downtime on each unit. The proven carbon fiber clamp system also allows the operator to ensure that the surface of the blade clamp is perfectly clean, allowing true blade flatness against the clamp surface, giving consistent doctoring.

#### Woven carbon fiber

Absolute 2G is unique in that its skin is made from woven carbon fiber and not UD (unidirectional) fibers. The woven structure ensures stability and rigidity at widths and speeds where conventional UD would twist and deflect, resulting in variable doctoring of the anilox. The 2G material eradicates this problem.

#### Safety

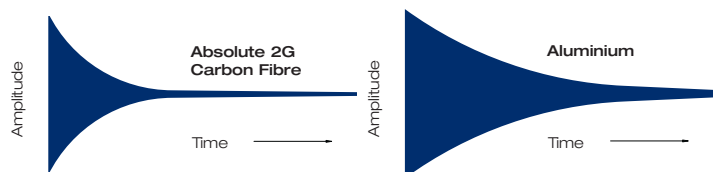
Health and Safety is a key issue for all professional businesses. Safe lifting weights for employees are fundamental. A 2G chamber weighs 9 kg (19lbs) for a 1675 mm (64") wide, this is 65% lighter than the equivalent in aluminium and 80% lighter than stainless steel.

#### Ink repelling resin

The Absolute 2G is produced with a resin surface that simply repels ink, this allows rapid and easy cleaning of the chamber. The resin has such an impact that Absolute can demonstrate improved wash cycles without an upgrade of the cleaning system, this is a direct result of the unique resin surface of the chamber.

### Unique vibration damping construction

Flexo often suffers with vibration issues, partly due to plate layout or weakness in the unit design itself. The Absolute 2G is specifically designed with a carbon fiber construction which absorbs vibration, allowing the unit to run faster, without bounce or chatter, producing superb print quality at higher speeds.



Graphs showing the superior ability of Absolute Carbon Fiber to absorb shock over traditional aluminium

### Superior strength to weight ratio

The 2G is manufactured from high strength woven Carbon fiber, which is 300% stiffer than aluminium. This removes any risk of deflection in the chamber.

### Non-twist or warp

Nylon, UHMW or any other plastic moulded product ages over time, and is susceptible to variations or extremes of temperature, inducing bowing, twist and warp in the structure. Aluminium extrusions also experience warp, as it is impossible to stress relieve them after the final machining process. This stress eventually shows itself as twist, and makes it impossible to produce an even wipe across the anilox, massively increasing rejected product, and creating huge production delays. By comparison woven carbon fiber is unaffected by variations or extremes in temperature. This ensures that the unit will provide consistent doctoring regardless of the harsh environment in which the unit operates.

Absolute carbon fiber doctoring systems are designed and specified by the team that produced the world's first carbon fiber chamber in 1990.

In the past 18 years we have produced thousands of carbon fiber doctoring systems to improve the performance of virtually every type of flexopress manufactured. We provide systems for corrugated printers, tissue decorators, label machines, litho tower coaters, newspapers, coating units, envelope printers.

We have installations on every continent, and most countries, along with a team of engineers who constantly travel the world to install and commission our equipment. They then train the operators in the best methods of optimizing the equipment's performance immediately.

Our technical team utilize a base of knowledge that encompasses aerospace, Formula 1 and supercar production, high specification sailing yachts and defence products.

The same technology and standards are incorporated into our inking systems ensuring absolute consistency and performance.

In essence, we have an unsurpassed breadth of knowledge, technology and experience to optimize the doctoring performance of any flexo unit.....including YOURS!

“Our technical team utilize a base of knowledge that encompasses aerospace, Formula 1 and supercar production...”



**“This is only the second piece of equipment I have purchased in 7 years where everybody involved has been totally happy with it.”**

## Absolute also produce other equipment that improves print performance...

### I-Max

A revolutionary new woven carbon fiber chambered doctor blade system from Absolute.

It is the first chamber in the World to deliver:

- 80% savings on colour change ink waste
- 80% savings on downstream wash-up costs
- Dramatically reduced production downtime
- Reduced in-plant maintenance costs
- Improved colour consistency
- Reduced environmental costs
- Total payback within months, not years



### Uniblade

Uniblade is Absolute's single wiper system made from woven carbon fiber. It has all the DNA of the successful 2G dual blade chamber in a single wiper format. Designed specifically to meet the requirements of the corrugated post print industry, it combines consistent doctoring with rapid washup and blade change for customers in a low order quantity environment.



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