

absolute

THE  
ORIGINAL  
WOVEN  
CARBON  
FIBER  
DUAL-  
BLADE  
SYSTEM

## 2G CHAMBER

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

Choice of seal systems to suit different requirements

12 different sections, optimising performance, regardless of anilox diameter

Lightweight construction ensuring the safety of operators when removing the units

100% stainless steel clamp assembly

High performance woven carbon fiber - 300% stiffer than aluminium & guaranteed not to twist or warp

Proven track record on wide web & jumbos with installations up to 5,600mm (220")

Rapid change & tool-free blade replacement

### 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.

And Absolute is unique in tailoring our design to the optimum doctoring angle, creating the perfect wipe and color reproduction for your needs.

### 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.

### 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!

Absolute also offer the widest range of chamber conversions (from 4"/100mm to 220"/5,600mm), and, with our fastest systems running at 3,000fpm/1,000mpm, you can be sure our installation archive can produce a perfect match for your requirements.

### RAPID BLADE CHANGE

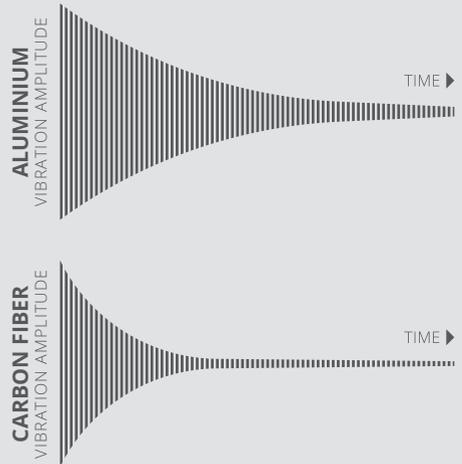
Your print unit downtime can be greatly reduced with Absolute's tool-free blade clamp which allows a single operator to change blades on a 108"/2750mm chamber in 4 minutes.

## UNIQUE VIBRATION DAMPING CONSTRUCTION

Flexo often suffers with vibration issues, partly due to 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.

*Our graphs show the superior ability of Absolute Carbon Fiber to absorb shock compared with traditional aluminium.*



## NON TWIST OR WRAP

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.**

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## CONVERTING FROM RUBBER ROLLER TO BLADES

What a great way to improve the performance of your flexo unit! Absolute have 15 years' experience in conversion systems for customers just like you. We break it down into seven simple steps:

1. Sending an Absolute Design Specialist to check the dimensions of your machine against our comprehensive archive
2. Manufacturing, assembling and testing the units in our own facility before...
3. Despatching them to your facility
4. Arranging for your local Absolute Installation specialist to be on site at your convenience
5. Upgrade your tickover drive from the rubber roller to the anilox roller
6. Installing the new carbon fiber unit
7. Start benefiting from the cost savings and improved print quality of your Chamber