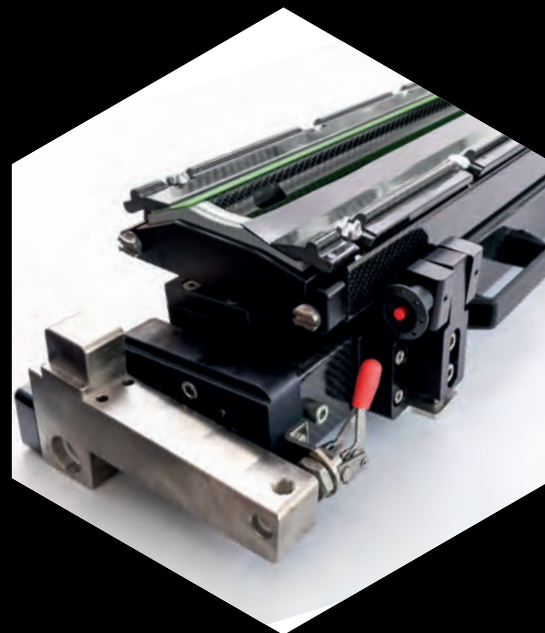


Genius designed and fabricated to cater for your specific needs

Our extensive experience gained in the field has allowed us to develop a number of different profiles to cater for every need possible in all sectors of the flexographic printing industry. We have perfected a doctor blade chamber profile that delivers the best possible performance for every combination of substrate, anilox roller shape and table length.

Find out which
is the right profile
for your
business...



**PACKAGING
PLAST**
ahead of the future

Packaging Plast S.r.l.
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15033 Casale Monferrato (AL), Italy
Ph. +39 0142 59 14 40

www.packagingplast.it

Packaging Plast is the pioneer in the design and production of 100% carbon fibre doctor blade chambers

Packaging Plast was founded in Italy in 2010 as a specialised precision machining workshop for internationally renowned leaders in the manufacturing of printing machines and the converting of materials for the publishing and packaging sectors.

The company's bold spirit of innovation soon drew the attention of the big players, which chose Packaging Plast first as a supplier of machined metal components and, later, of plastic parts (*hence the name of the company*).

The growing demand for superior precision and quality led the company to build up a pool of high technology machine tools, and to establish itself as the partner of choice for producers of rotogravure and flexography printing machines.

Genius model	Cardboard	Label	Tissue	Wide Web
DRD 10	•	•		•
DRD 20	•		•	•
DRD 30	•		•	•
DRS 20	•			
DRD 30	•		•	

As the company built a reputation for trustworthiness, dependability and experience, clients began to task Packaging Plast with the fabrication of doctor blade chambers, initially in aluminium and, later, in plastic.

With state of the art technology and a team including specialised technicians with experience in the automotive industry, Packaging Plast soon established itself as a leading manufacturer of carbon fibre articles.

The expertise gained over the years allowed the company to create the world's first and only all-carbon fibre doctor blade chambers - revolutionary products that offer many technical and economic advantages for an inking system.

Packaging Plast offers your design team all the support it needs, sharing information simply and quickly in the form of 3D models.

Genius is different from any other doctor blade chamber not only because of the material used for manufacturing, but also because it brings real innovation to your printing machines.

Contact Packaging Plast to find out more.

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ingenious

The first Doctor Blade Chamber
100% Carbon Fibre for flexo printing



**PACKAGING
PLAST**
ahead of the future



Genius, brilliant in every way

Coming directly from Packaging Plast and utilizing the latest moulding technology, the **Genius Series** is the first and only chambered doctor blade made completely of carbon fibre. Corrosion free and the smoothest ink flow, ensuring the highest performance with the added benefit of significant cost savings! A real return on investment, guaranteed.

Simply ingenious.

Are you a printer?

Are you always on the lookout for new solutions to streamline and optimise your production process?

Do the solutions you use now not give you the printing results you want?

Are you struggling to increase production efficiency because of the substantial wastage caused by ink loss and printing defects?

Are you a manufacturer?

Are you always on the lookout for new design solutions to increase the performance and value of your printing machine?

Are you looking for a highly innovative doctor blade chamber that will take the performance of your machine to the next level?

Genius is the solution to your problems...

GREATER STRUCTURAL STIFFNESS AND GREATER RESISTANCE TO FAILURE

LOWER BLADE PRESSURE ON ANILOX ROLLER

GREATER SIMPLICITY AND RELIABILITY OF ENTIRE PRINTING SYSTEM

CORROSION RESISTANT, ESPECIALLY WHEN WORKING WITH WATER-BASED INKS

NON-STICK SURFACE

NO THERMAL EXPANSION

COMPATIBLE WITH ANY WASHING SYSTEM

EASY TO INSTALL AND COMMISSION

LESS LABOUR REQUIRED FOR WASHING AND INSTALLATION

Doctor Blade Chamber
100%
Carbon Fibre



TAYLOR
MADE



ANTI
CORROSION



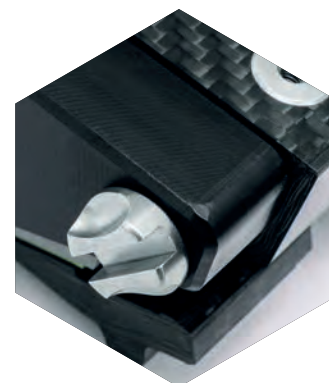
SMOOTH
INK FLOW



ULTRA
LIGHT



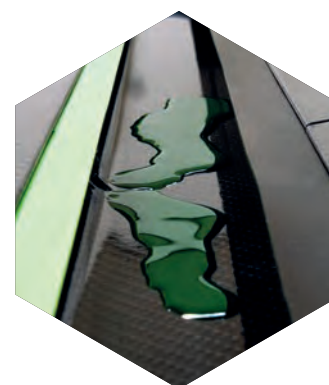
LOW ENVIRONMENTAL
IMPACT



Why 100% carbon fibre?

Simply because we are committed to giving you the **best and most durable problem-free product possible**.

The state of the art forming technology we use allows us to fabricate an **extremely lightweight all-carbon fibre chamber with no torsional stress with a single mould**.



Returns on your investment

Genius doctor blade chambers effectively last for ever, and will not need replacing after a few years. Our doctor blade chambers **reduce ink and washing water consumption**, and also require less labour at the end of each job. A whole suite of advantages to **improve your production quality and capacity**.



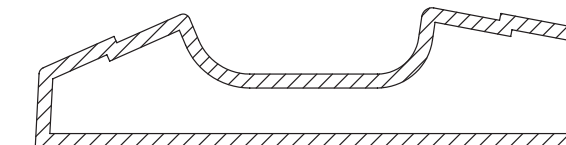
Custom built

Made-to-measure design and fabrication.

We are in complete control over the orientation of the carbon fibres in the mould, ensuring that the finished doctor blade chamber meets the requisites for stiffness. The chambers are then finished with a 5 axis computer numerical control work centre, which produces extremely precise results. Optimised fabrication and assembly times also mean that we can **ensure rapid delivery times**.

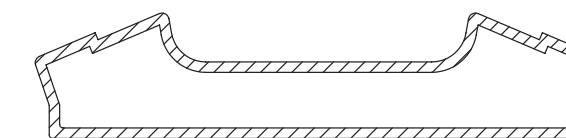


Genius the right profile and model for every type of printing



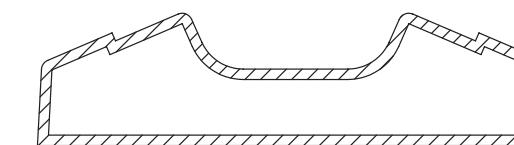
DRD 10 ASYMMETRIC PROFILE

The asymmetric profile produces two different blade contact angles. The contact angle of the doctor blade is 32°, while the different angle of the containment blade reduces the angle of incidence of the blade itself on the anilox roller.



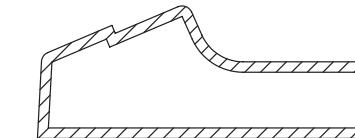
DRD 30 OVERSIZED SYMMETRIC PROFILE

An oversized symmetric profile with a larger distance between the contact points of the two blades, usable to maintain the correct angle of incidence when working with large diameter cylinders.



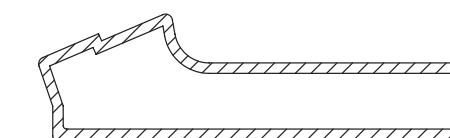
DRD 20 SYMMETRIC PROFILE

Symmetric profile, with identical contact angles for both blades, with a smaller internal chamber and 6 ink/washing filler points incorporated in the profile.



DRS 20 SINGLE BLADE PROFILE

Conceived to cater for the needs of corrugated cardboard printing applications. This profile has a single doctor blade on one side, while the side usually holding the containment blade is left open.



DRS 30 SINGLE BLADE LARGE VOLUME PROFILE

Conceived to cater for the needs of tissue printing applications but also suitable for corrugated cardboard printing. This profile has a single doctor blade on one side, while the side usually holding the containment blade is left open.