

BLACKMAN & WHITE

CUTTING EXCELLENCE



CUTTING AND
FINISHING SYSTEMS
THAT MAXIMISE YOUR
PROFITABILITY



WWW.BLACKMANANDWHITE.COM

Signage and Graphic products need to be visually striking and structurally creative.

A Blackman & White cutter is one of the most versatile on the market and turns challenging concepts into reality with:

1

Profitability

2

Efficiency

3

Repeatability

4

Accuracy

5

Speed

ABOUT BLACKMAN & WHITE

Founded in 1964, Blackman & White is a family-owned company based in Maldon, Essex and is the only UK designer, manufacturer and supplier of flatbed and conveyerized CNC cutting machinery. Our engineering heritage has led to a portfolio of thousands of machine installations worldwide across industries from Aerospace and Composites through to Sail making, Tensile Architecture and Signage & Graphics.

THE BLACKMAN & WHITE PHILOSOPHY

To produce high quality, robust machines - working closely with our customers to provide intelligent and innovative solutions tailored to their individual requirements.

From installation and commissioning to training and support, Blackman & White is committed to the highest standards.

We want to help our customers grow their competitive advantage that keeps them ahead of the curve.



THE BLACKMAN & WHITE VALUE PRINCIPLES



TECHNICAL EXCELLENCE AND SUPPORT

When you purchase a Blackman & White cutting system, you gain access to the highest calibre technical expertise from our network of engineers. Blackman & White is here to help you to build a robust business for the long term, with low total cost of ownership and high ROI.



HIGH-PERFORMANCE MACHINES

Predictability of results, Repeatability of quality, Consistency of throughput - Blackman & White Cutting machinery features High Speed, Performance Tooling and Software in all aspects of manufacturing, from Marine and Signage through to Composites and Aerospace.



SMART AND EASY OPERATION

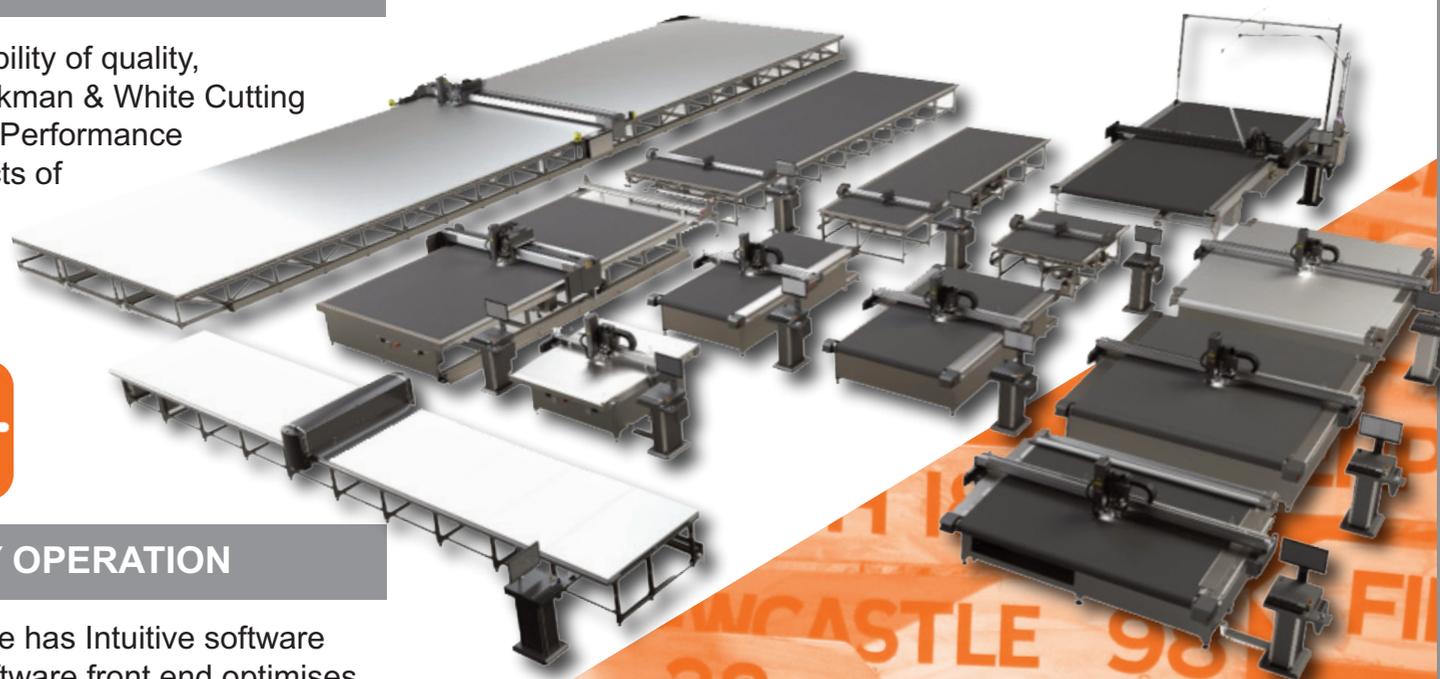
Every Blackman & White machine has Intuitive software Control. Our custom operator software front end optimises profitability with smart machine control. Seamless software bolt-on modules deliver a full suite of functionality to meet the most demanding applications.

THE BLACKMAN & WHITE VALUE PRINCIPLES



BESPOKE FUNCTIONALITY

Every business is unique. Modular multi-tool functionality on one machine makes the Blackman & White cutter one of the most customisable machines available. A wide selection of cutting tools delivers cut quality, efficiency, and long-term business scalability as materials evolve.



GENESIS

MULTI-TOOL FUNCTIONALITY FOR A WIDE RANGE OF MATERIALS



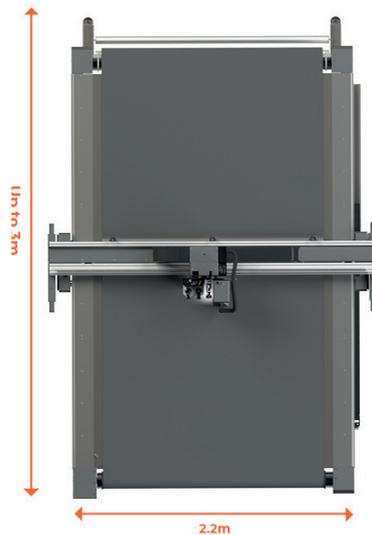
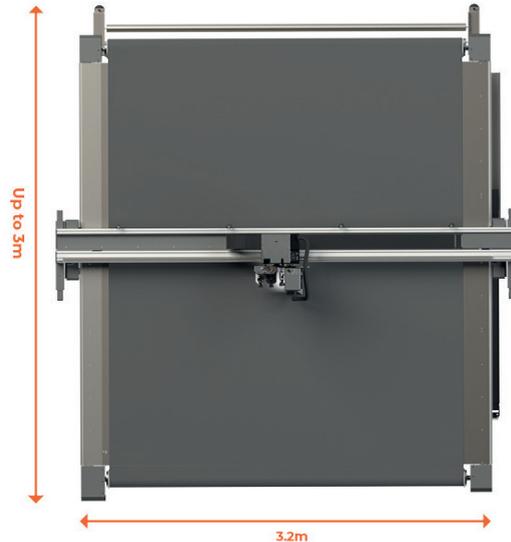
Optimise valuable floorspace whilst increasing material finishing versatility, quality and throughput.

The only machine on the market with optional conveyerised laser cutting, this popular modular machine platform features multi-tool cutting flexibility on a flatbed or conveyerised table.

The Genesis-V from Blackman & White can carry 2 drop in tools, vision camera plus interchangeable router and / or 100 kw laser simultaneously. Material processing and changeover is faster and able to meet your customers' requirements, however demanding.

OPTIMISE YOUR FLOORSPACE

Every square metre matters. Blackman & White has a wide selection of machine table dimensions to suit your material and floorplan requirements.

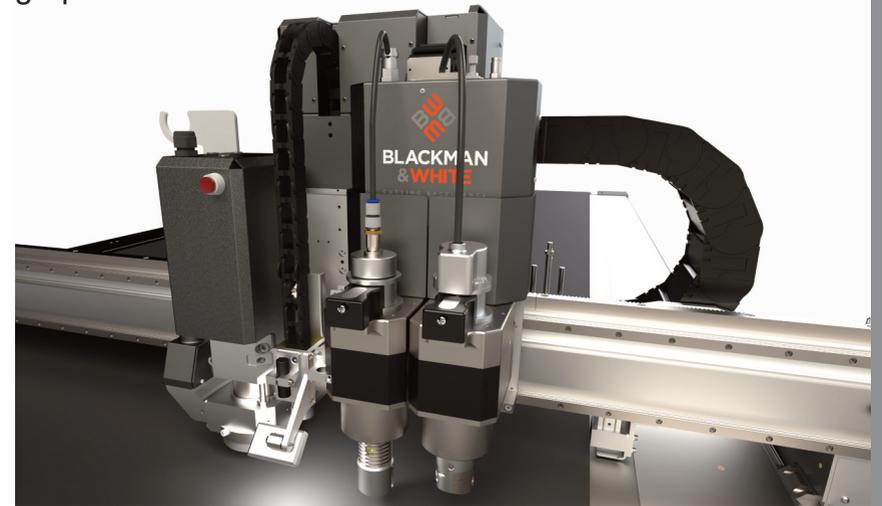


Starting with a 1.6m cut width x 1.5m cut length, up to 3.2m cut width by 3.2m cut length, there is a machine that will fit.



LASER, KNIFE AND ROUTER CUTTING AND MARKING TOOLS

The Blackman & White Genesis-V has a wide range of precision built high-quality cutting and marking interchangeable tool inserts to finish signage and graphic materials.



With the ability to hold multiple tools simultaneously, a 50mm beam clearance for thicker materials means even the most demanding and intricate jobs can be processed quickly and efficiently on either flatbed or conveyerised cutting table.



Whatever your requirement, there's a Genesis-V tool insert designed to meet the demands of your finishing shop.

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TOOLING OPTIONS



Laser

The 100 watt CO2 laser beautifully cuts and seals printed and unprinted textiles and gives a finished polished edge to acrylics up to 25mm

Perfect for:
Textile / Polyester
Acrylic



Electric Oscillating Knife

Slice through rigid materials up to 25mm thick with speed and accuracy.

Perfect for:
Corrugated Cardboard
Corrugated Plastic
Foamcore
Fibreboard
Foam PVC



Driven Wheel

Cleanly cut fabrics and textiles with no thread snagging. The electrically powered tool holds both decagonal and round carbide cutting blades for optimal cutting performance.

Perfect for:
Textile / Polyester
Router



Router

Available in 2.5 - 5kW models, cut through rigid materials with speed and accuracy.

Perfect for:
Dibond
Acrylic
Wood
Aluminium Composite
Hard boards
Foam PVC



Drag Knife

Cut materials of thicknesses up to 6mm in a single pass or 12mm in multiple passes.

Perfect for:
Foam PVC
Corrugated Cardboard
Corrugated Plastic
Paper materials
Vinyl



Kiss Cut

For vinyl and film applications which require intricate scoring through the adhesive layer, without cutting the backing material.

Perfect for:
Vinyl



Crease Tool

For creasing in packaging applications such as boxes where fold lines are required. Available with a range of creasing wheels for different creasing thicknesses.

Perfect for:
Corrugated Cardboard
Corrugated Plastic
Card



V-cut tool

The 45 degree / bevel tool is ideal for angle cutting where folding is required such as for Point of Sale display structures such as literature racks, shelves and stands.

Perfect for:
POS
Foamboard
Fibreboard



Pen marking

From product tracking to logistics management, the pen marker lends itself to a vast range of applications.

Perfect for:
Marking any
smooth
substrate

TOTAL PRODUCTION SOFTWARE AND WORKFLOW MANAGEMENT



Efficient workflow - the catalyst for maximum profitability. The synergy between intelligent, leading edge software technology and the speed and flexibility of the multi-tool cutting table makes the Blackman &

White Genesis-V a powerful enhancement to the cutting room floor.

Whether prototyping for customer packaging requirements or meeting challenging quality and lead time demands for production jobs, Genesis-V software options ensure cost-effective processing of signage and point of sale materials, without compromising on creativity.



Integrating with industry standard RIP, DTP and CAD software, the Blackman & White Genesis-V is an easy-to-operate platform for workflow optimisation.

Job Planning, Processing and Optimisation Software

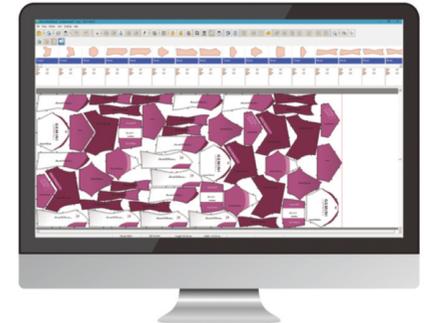
Planning and preparation of jobs is key to controlling costs, minimising wastage and successfully managing customer order requirements.

Blackman & White has a comprehensive range of user-friendly software solutions to optimise, prototype, cost, nest and manage throughput for a range of cutting applications.



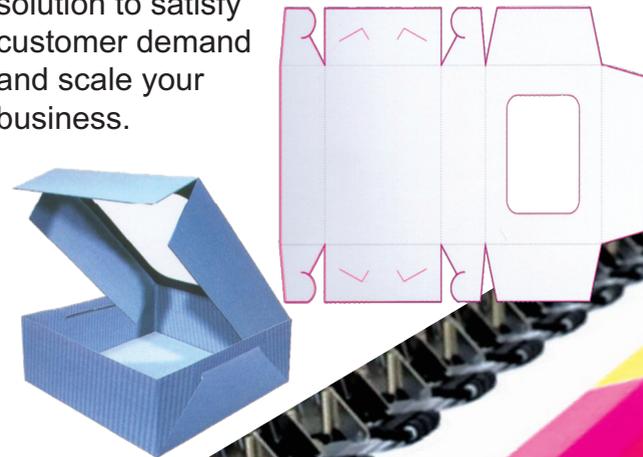
Apparel Production Software

Grade, size and nest corporate and leisure apparel with industry leading software. Minimise material wastage and maximise the quality of product output with software that understands the specialist challenges of apparel production. Blackman & White offers comprehensive training and support to help you offer much more than your competitors can.



Packaging and Display Production Software

Design and produce packaging and POP display materials to meet your customers' requirements easily and quickly. With the benefit of an Illustrator plug in, as well as its own vector graphic design module built in, your customers are able to preview their box design before sending it to the machine to be produced. With additional expansion modules for added functionality such as online business custom design and order, you can be confident that you have the best solution to satisfy customer demand and scale your business.



MACHINE OPERATION AND PRODUCTION SOFTWARE

Intuitive Operator Control, Powerful File Processing

Blackman & White's in-house designed control software makes light work of preparing imported industry-standard files for cutting, with pre-set cutting parameters and a library of recommended tool settings for a wide variety of materials.

In-built editing and cut path optimisation features, as well as pre-cut job simulation reduces processing time. The Genesis-V offers smart and user-friendly throughput maximisation as standard.

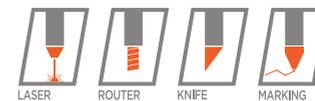
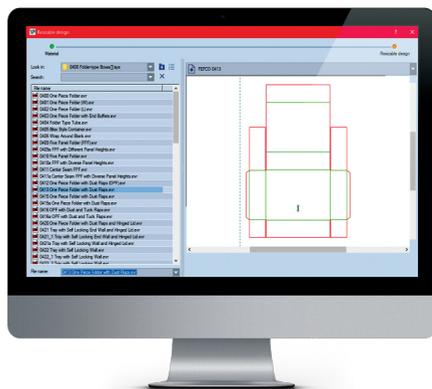


Vision Software for Fast and Accurate Automated Job Processing

The Blackman & White Genesis-V carries a modular high-resolution vision camera with integrated software functionality for recognition of printed registration marks, and bar and QR codes for unique job identification.

Generated upstream in the design and file creation stage, printed materials with registration marks are located by the vision camera and software. Automatic identification and retrieval of the cut file is possible.

Genesis-V- Creativity, Reliability, Accuracy, Repeatability, Low Cost - the one machine that meets all production expectations, followed by the accurate cutting of the image in alignment with the print.



JOB COSTING & ANALYSIS SOFTWARE

Understanding the metrics is the key to creating your profit centre. The ability to predict the final cost of jobs, the time to produce, and the tools needed to produce them is the key to ensuring you have a competitive advantage.

Computer Aided Design 3D Signage & Display Software

For sign shops wanting to produce 3D objects such as signage, lettering and displays, Blackman & White offers an easy to use CAD CAM software solution for artwork design and generation of fast and efficient machine toolpaths and machine-ready CNC code.



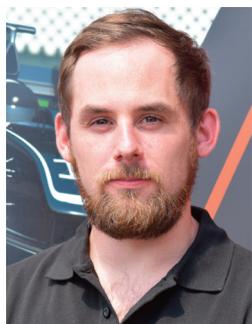
From product design through to nesting, routing and engraving, creativity is unlimited, and production efficiency is assured.

THE AFTER SALES TEAM

At Blackman & White customer experience is our priority.

Not just another supplier, we want to be part of our customers' business growth and success, and our team of highly skilled engineers are committed to being there on that journey.

A few of the team briefly explain their roles:



Installation Engineer

Glen Parry,

on the installation process:

'It is critical that installations are carried out in a professional and organised way whilst maintaining customer expectations and deadlines. Before the installation a site survey

is carried out to manage and deal with any issues or requirements and causing as little disruption as possible. After the installation a full handover is given to the commissioning and training team, and information is passed on to aid the next phase of the install.'



Sales Support

Dave Briggs

Engineer, on the commissioning and training process:

'Commissioning and Training always has to be customised to the customers' materials and processes. Spanning between 2-3 days on

average, we go through a checklist of machine and software functions that the machine operator will encounter and need to become proficient in. It is an enjoyable few days and I enjoy meeting and working with the operator!'



Senior Field Service Engineer

Ed Davis

on Technical Support:

'About a month after the completion of the installation, the Service and Support team take over, with a handover of any installation completion reports. My team and I are the first point of contact either by telephone or through the Blackman & White website, and we will remote into the machine if there are any queries or concerns, or an engineer will pop in to see if there is any support that they can offer. After the warranty period is over, we then have cost effective ongoing maintenance and service plans that customers take on to ensure the long-term health of their machine. At Blackman & White our customer relationship is very important to us, and we have numerous customers that we have worked with for decades!'



Cutting Resources Supervisor

Luke Tobyn

the spares & consumables shop:

'At Cutting Resources our target is to be the one stop shop for all blades, bits, felt and other consumables and spares. The website is a great platform for our customers who have Blackman & White cutting machines as well as other machines, but if further expertise is required trying to understand the best part for their material, we are always on the end of the phone and keen to help.'

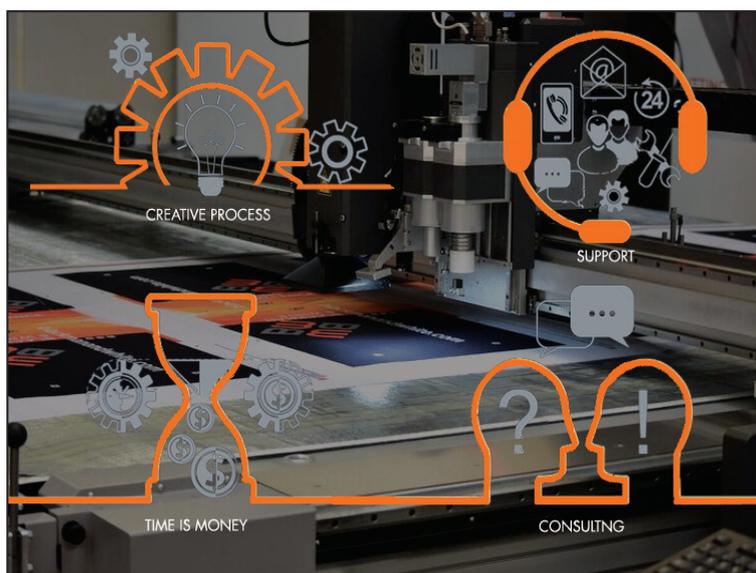
THE BLACKMAN & WHITE CENTRE OF CUTTING EXCELLENCE

Some cutting and finishing applications are simply so innovative or unique that there is nothing available 'off the shelf'. The Blackman & White technical team has been renowned for decades for our ability to listen to a manufacturing challenge and offer a solution that resolves it.

Blackman & White Centre of Cutting Excellence is the consultancy division of Blackman & White and has worked collaboratively with companies on highly confidential and ground-breaking special purpose projects worldwide.

We are here to share our expertise.

What's your challenge?



BLACKMAN & WHITE

CUTTING EXCELLENCE



SPARES & CONSUMABLES ONLINE

Purchase genuine OEM parts quickly and easily at the Blackman & White online store, 'Cutting Resources™'. Fast delivery of blades, bits, spares, felt, and any other machine spares and consumables for your Blackman & White and other CNC flatbed cutting machines.



www.cuttingresources.com



**BLACKMAN
& WHITE**

CUTTING EXCELLENCE

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A decorative graphic in the bottom right corner showing a close-up of a cutting tool, possibly a circular saw blade, cutting through a material. The material has a blue and red pattern, and the tool is orange and black.