

Digital Cutting Tables

High Speed Cutting
Configurable

R1.0



Tel: 0121 541 1444

The UK's Leading Digital Cutting Table Experts.

Boost your production efficiency with our high-performance Digital Cutting Table Plotters, designed for precision, speed, and versatility. Ideal for industries requiring rapid processing, these advanced cutting solutions deliver exceptional accuracy and reliability, ensuring seamless workflow and maximum productivity.

Our Digital Cutting Tables are designed for fast, precise, and versatile material processing across various industries. Whether you're working with foam, plastics, fabrics, cardboard, or composites, this advanced cutting system ensures pinpoint accuracy and high-speed operation.

Equipped with customisable cutting tools, including oscillating knives, creasing wheels, V-cut tools, and optical recognition systems, the DCT offers seamless adaptability to diverse project requirements. Its fully automated workflow and intelligent CAD/CAM integration allow for effortless material handling, making it the perfect solution for businesses looking to streamline production and increase output.

Versatile

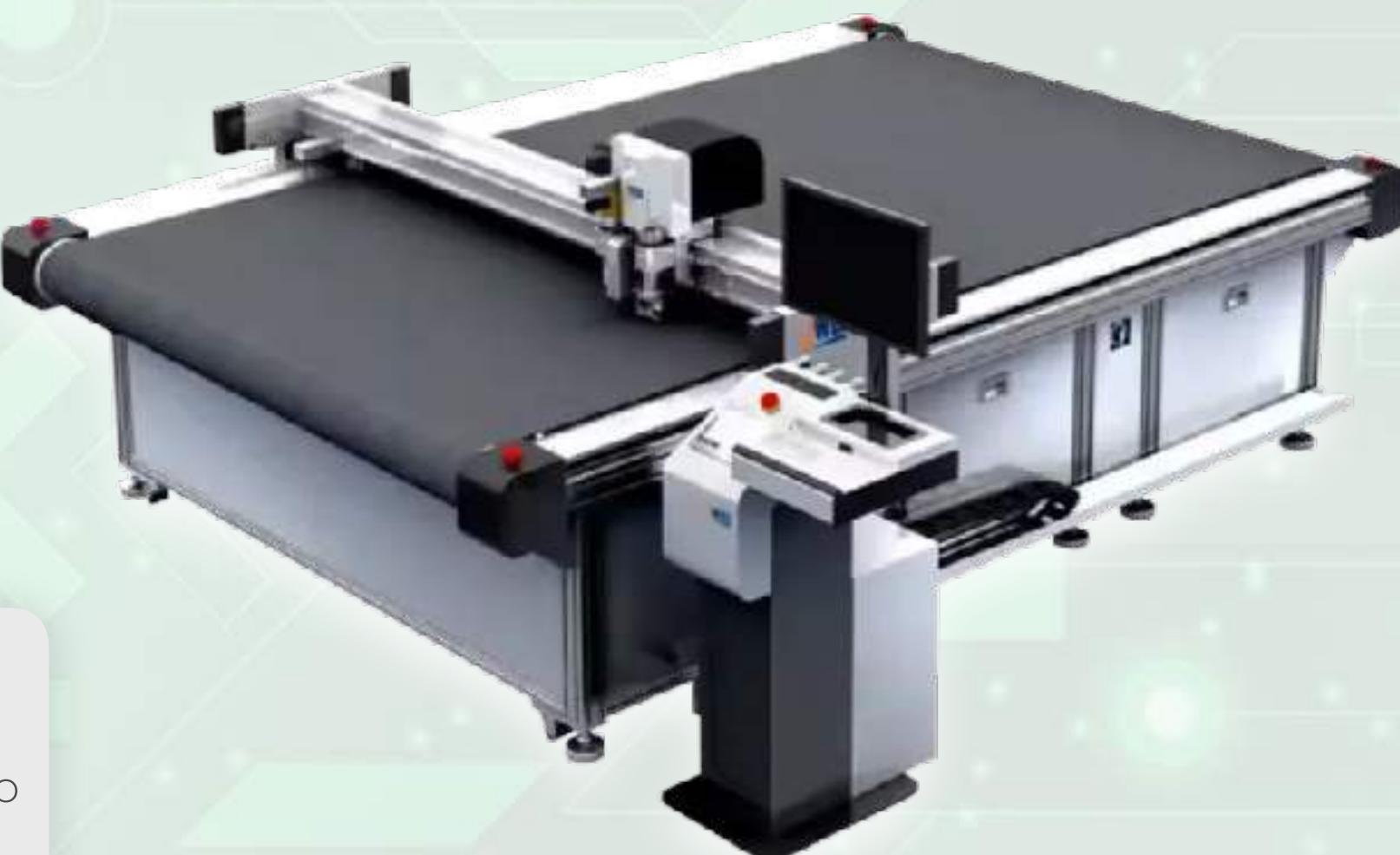
Mantech's Digital Cutting Tables are designed to process **foam, rubber, plastics, paper, fabrics, cardboard, reboard, and carbon fibre fabric** with exceptional precision. Expand your production capabilities and tackle diverse industry applications with speed and accuracy.

High-Speed Cutting

Achieve **cutting speeds of up to 1,200 mm/s** with an impressive accuracy of 0.01 mm. Our **advanced digital control system** and **CAD/CAM integration** ensure **fast, precise**, and cost-effective cutting, optimising productivity without compromising quality.

Customisable Tooling

Tailor your Digital Cutting Table to meet your exact requirements with a range of specialised tools, including oscillating knives, creasing wheels, optical recognition systems, multi-angle V-cut tools, plotting pens, and router engraving heads. Adapt effortlessly to different materials and applications for seamless production versatility.



Customisable
Tooling

High Performance DCT Machines

Maximise Efficiency with High-Speed Digital Cutting Technology!



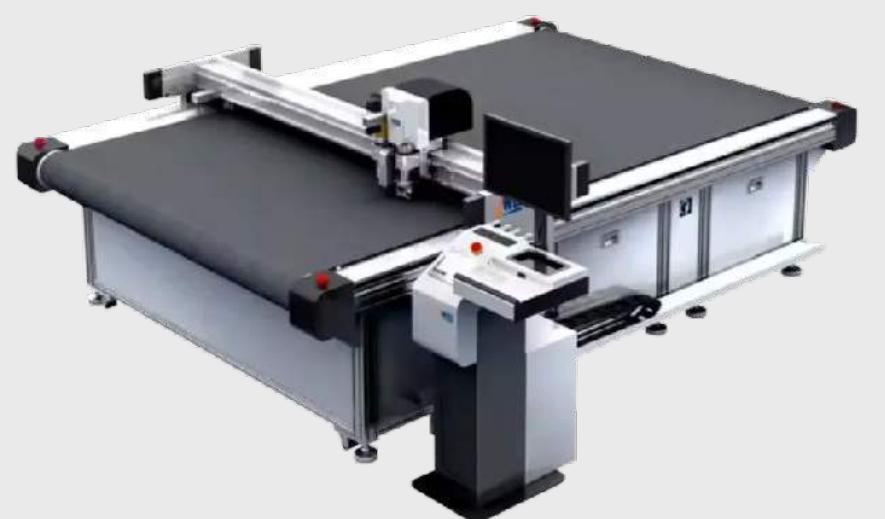
DCT Model BK03II-2516RM – High-Precision Static Bed Cutter

The **BK03II-2516RM Digital Cutting Table** is a high-speed, precision cutting solution designed for businesses that demand accuracy and efficiency. Featuring a static cutting bed, this machine delivers exceptional functionality across various materials, making it a cost-effective choice for companies seeking reliable and high-quality cutting performance without unnecessary complexity.



DCT Model CB03II – Automated Feed Bed Digital Cutter

The **CB03II Digital Cutting Machine** is an advanced, fully automated cutting system built to increase productivity and streamline workflows. With its **integrated automatic feed bed**, this model enables continuous material processing, reducing manual handling and significantly enhancing efficiency. Ideal for high-volume production, the CB03II ensures seamless, precise, and rapid cutting across multiple industries.



DCT Model CB08II – Large-Scale Digital Cutting for Industrial Use

For businesses requiring high-capacity, industrial-grade cutting solutions, the **CB08II Digital Cutting Table** is designed to handle **large-scale production** with ease. Built for **durability** and **efficiency**, it delivers **consistent performance**, making it the ideal solution for heavy-duty cutting applications in industries such as packaging, textiles, signage, and composites.



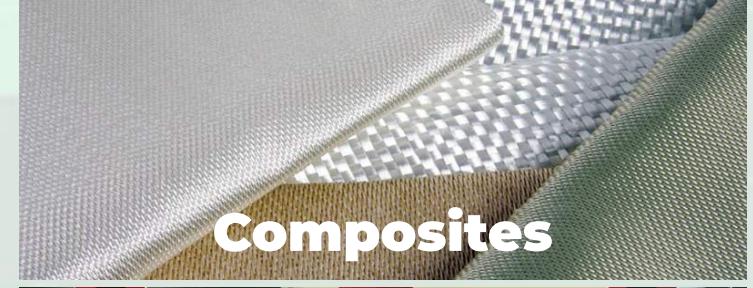
Vehicle Interiors



Printing & Packaging



Clothing & Apparel



Composites



Signage & Graphics



Upholstery

Key Features

A Digital Cutting Table (DCT) is an advanced, high-speed cutting machine designed to process a wide variety of materials with exceptional precision and efficiency. These machines can cut foam, rubber, plastic, paper, fabrics, cardboard, reboard, carbon fibre fabric, and more, making them a versatile solution for industries such as packaging, signage, textiles, and composites.

1. High-Speed Precision Cutting

Our DCT systems deliver cutting speeds of up to 1,200 mm/s with an accuracy of ± 0.01 mm, ensuring clean and precise cuts across a wide range of materials across industries and applications.

2. Versatile Material Compatibility

Designed for multi-industry applications, our cutting tables effortlessly handle foam, rubber, plastic, paper, fabrics, cardboard, reboard, carbon fibre fabric, and more, making them ideal for packaging, signage, textiles, composites, and automotive sectors. ensuring flawless results for every project.

4. Automated Workflow

Equipped with integrated automatic feeding systems (model dependant), our machines streamline workflows, reducing manual labour and optimising production efficiency for high-volume cutting operations.

5. Smart CAD/CAM Integration

Seamlessly compatible with leading CAD/CAM software, allowing for quick setup, easy adjustments, and minimal operator input, ensuring maximum productivity with minimal downtime.

3. Customisable Tooling Options

Our DCT systems can be configured with a variety of cutting tools, **including**:

- Oscillating knife tools for clean and precise cuts
- Creasing wheels for packaging and cardboard applications
- Optical recognition systems for enhanced accuracy
- Multi-angled V-cut tools for intricate designs
- Plotting pens & router engraving heads for added functionality

6. Durable & Energy Efficient

Our cutting tables are constructed with a robust, all-steel frame, providing superior stability and longevity. Additionally, the energy-efficient motor system reduces power consumption while maintaining top-tier performance.

Model: DCT Model BK03II

Power requirements	3-Phase	
Multi-function Tool Head	Oscillating cutting knife /Kiss cut/LED cursor location light	
Safety System	Infrared sensors to prevent unsafe operation	
Move Speed	Up-to 1200mm/s	
Cutting Speed	Up-to 800mm/s	
Cutting Thickness	Up-to 22mm (material dependant)	
Table Type	Static bed	
Vaccum table	Yes included	
Repeat Accuracy	≤0.01mm	
Buffer Memory	2gb	
Transmission System	Digital servo driver, straight rail synchronous belt	
Command System	HP-GL compatible format	
Models	BK03II-1816	BK03II-2516RM
Cutting Area	1800*1600 mm	2500*1600 mm

High Precision
 Static Bed Cutting Table


The **BK03II-2516RM Digital Cutting Table** is a high-speed, precision cutting solution designed for businesses that demand accuracy and efficiency.

Featuring a static cutting bed, this machine delivers exceptional functionality across various materials, making it a cost-effective choice for companies seeking reliable and high-quality cutting performance without unnecessary complexity.

Model: DCT Model CB03II

Power requirements	3-Phase
Multi-function Tool Head	Oscillating cutting knife /Kiss cut/LED cursor location light, engraving/router (optional), creasing wheel, camera recognition (optional)
Safety System	Infrared sensors to prevent unsafe operation
Move Speed	Up-to 1500mm/s
Cutting Speed	Up-to 1200mm/s
Cutting Thickness	Up-to 50mm (material dependant)
Table Type	Auto feed bed system
Vaccum table	Yes included
Repeat Accuracy	≤0.01mm
Buffer Memory	2gb
Transmission System	Digital servo driver, straight rail synchronous belt, guide screw
Command System	HP-GL compatible format
Models	CB03II-2513RM CB03II-2516RM CB03II-1113 CB03II-1816RM
Cutting Area	2500*1300mm 2500*1600mm 1100*1300mm 1800*1600mm

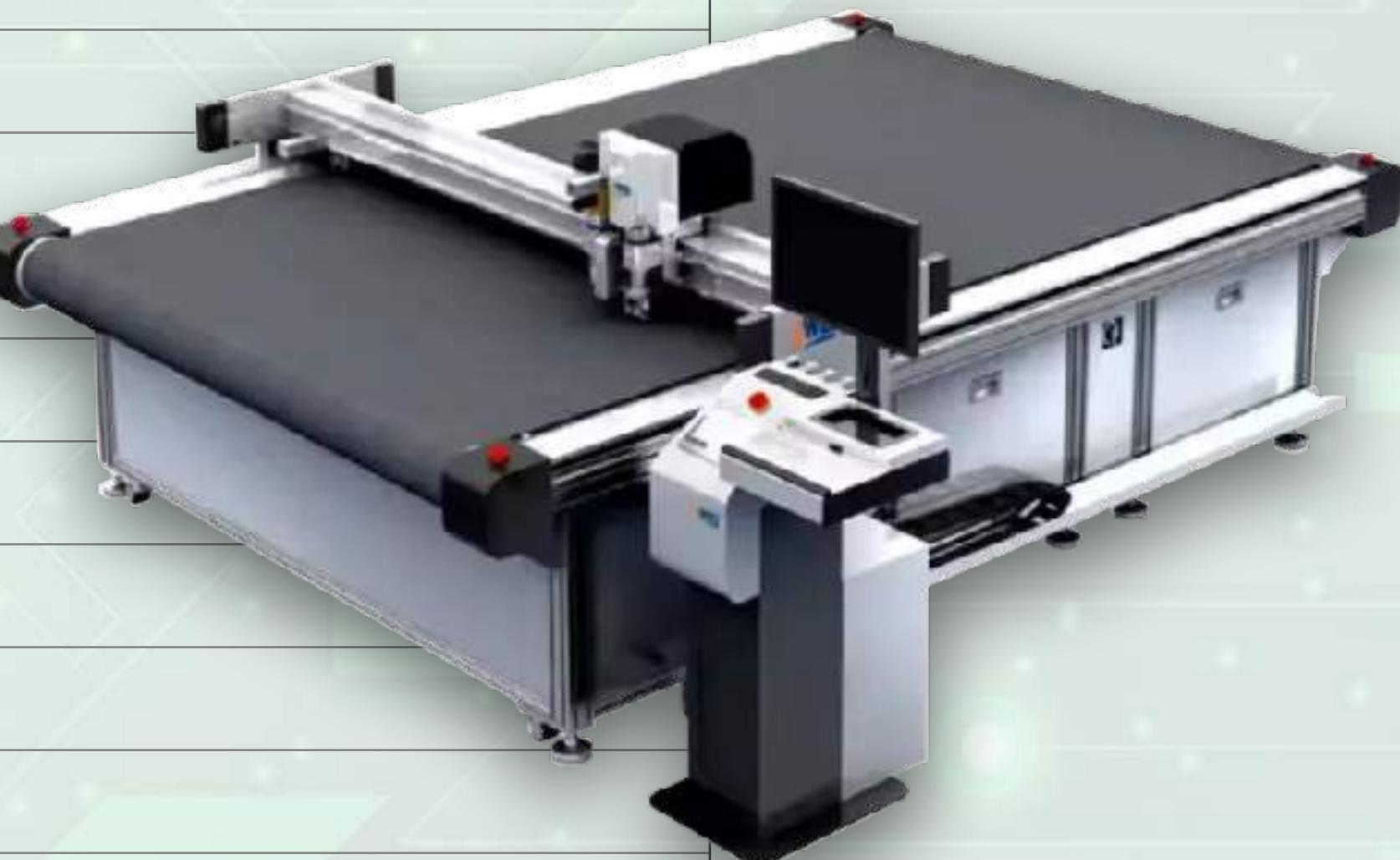
High Precision
Auto Feed Cutting Table



The **CB03II Digital Cutting Machine** is an advanced, fully automated cutting system built to increase productivity and streamline workflows. With its **integrated automatic feed bed**, this model enables continuous material processing, reducing manual handling and significantly enhancing efficiency. Ideal for high-volume production, the CB03II ensures seamless, precise, and rapid cutting across multiple industries.

Model: DCT Model CB08II

Power requirements	3-Phase
Multi-function Tool Head	Oscillating cutting knife /Kiss cut/LED cursor location light, engraving/router (optional), creasing wheel, camera recognition (optional)
Safety System	Infrared sensors to prevent unsafe operation
Move Speed	Up-to 1500mm/s
Cutting Speed	Up-to 1200mm/s
Cutting Thickness	Up-to 50mm (material dependant)
Table Type	Auto feed bed system
Vaccum table	Yes included
Repeat Accuracy	≤0.01mm
Buffer Memory	2gb
Transmission System	Digital servo driver, straight rail synchronous belt, guide screw
Command System	HP-GL compatible format
Models	CB08II-2516PM CB08II-3516PM CB08II-5516PM CB08II-2520PM CB08II-3520PM CB08II-5520PM CB08II-3032PM
Cutting Area	2500*1600mm 3500*1600mm 5500*1600mm 2500*2000mm 3500*2000mm 5500*2000mm 3000*3200mm



For businesses requiring high-capacity, industrial-grade cutting solutions, the **CB08II Digital Cutting Table** is designed to handle **large-scale production** with ease. Built for **durability** and **efficiency**, it delivers **consistent performance**, making it the ideal solution for heavy-duty cutting applications in industries such as packaging, textiles, signage, and composites.

High Precision
Large Format Systems

Tooling Options

Oscillating & Cutting Tool



Available in Standard and Electric models, the Oscillating Cutting Tool is ideal for processing a wide range of materials with precision and efficiency. It is commonly used for cutting corrugated board, honeycomb board, fluted core (Correx), flexo plates, KT panels, Foamex, carpets, corrugated plastics, thin plastics (HIPS, PP sheets), gaskets, leather, and flexo glass, making it a versatile solution for diverse industries.

Router Head



Upgrade your Digital Cutting Table with a router tool, allowing you to process a broader range of materials with precision. This versatile addition enables cutting and engraving on acrylic, Dibond/ACM board, MDF, epoxy panels, PVC board, PAL board, and wood, with cutting depths of up to 15mm, depending on the material. Perfect for signage, displays, and industrial applications.

Plotting Pen



The Plotting Pen attachment is ideal for marking, sketching, and outlining designs with exceptional accuracy and speed. Perfect for prototyping, pattern marking, and detailed layouts, this tool ensures clean and precise lines on various materials, streamlining production workflows. The plotting pen attachment is perfect for sketching/marketing out designs onto materials with high accuracy and speed.

Optical Recognition



Our advanced Optical Recognition System ensures precise cutting of pre-printed substrates, such as UV-printed cardboard displays, signage, and packaging materials. The integrated camera scans registration marks and aligns them with the designated cut path in your file, guaranteeing high-accuracy contour cutting for perfectly finished projects.

Electric Rotary Tool



The Electric Rotary Tool is designed for high-speed, precision cutting of fabrics, carbon fibre, glass fibre, fur, grid cloth, textiles, and banner/flag materials. With the ability to process materials up to 8mm thick, this tool ensures clean, accurate cuts, making it ideal for industries such as automotive, aerospace, fashion, and signage production. This tool can process up to 8mm in thickness.

Kiss Cut Tool



The Kiss Cut Tool is designed for accurate cutting of thin, multi-layered materials without penetrating the backing layer. Ideal for processing printed vinyl, standard vinyl, reflective vinyl, and magnetic sheets, this tool ensures clean, professional cuts, making it perfect for sticker production, signage, and decals. Perfect for processing thin multi-layered materials such as printed vinyl, vinyl, reflective vinyl and magnetic sheets (can also be pre-printed).

Multi-Angled V-Cut



Ideal for cutting honeycomb board, greyboard, and reboard, the Multi-Angled V-Cut Tool features an adjustable blade that allows for precise folding and bevel cutting. With cutting angles of 0°, 15°, 22.5°, 30°, and 45°, this tool enhances structural design capabilities, making it perfect for packaging, displays, and architectural modelling.

Creasing Wheel



The Creasing Wheel is designed for creasing cardboard, fluted board, and materials like Correx, making it ideal for packaging production, point-of-sale displays, and signage applications. This tool ensures clean, precise folds, allowing for seamless assembly of custom packaging and structural designs.

Perforation Tool



The Perforation Tool is perfect for creating tear-away sections on various materials. Ideal for applications such as tissue boxes, food packaging, and promotional displays, this tool enables easy-to-remove sections while maintaining material integrity, ensuring clean, controlled perforations for efficient packaging solutions.



Foam Cutting Tool



For cutting thicker foam board upto 50mm in thickness.

Non-Oscillating Tool



For soft materials up to 5mm in thickness, such as cardboard

Maximise Efficiency with High-Speed Digital Cutting Technology

Maximise Efficiency

DCT High-Speed Digital Cutting Machines are designed to optimise workflow in industrial settings. With cutting speeds of up to 1,200 mm/s and an accuracy of 0.01 mm, they ensure rapid, high-precision results. Features like automatic material feeding and seamless operation reduce manual handling, enhancing overall production efficiency.

Cut Costs & Reduce Production Time

DCT machines help businesses streamline manufacturing by significantly reducing labour costs and shortening production cycles. With high-speed precision cutting and automated material handling, these systems eliminate downtime while improving material usage, leading to faster turnaround times and greater cost savings.

Unmatched Precision Cutting

Engineered for extreme accuracy, DCT systems achieve cutting tolerances of up to 0.01 mm, ensuring consistency and quality across every project. Perfect for industries requiring meticulous detail, such as automotive, aerospace, and composites, these machines guarantee flawless execution on every cut.

Versatile & Adaptable

With integrated CAD/CAM software and multiple cutting head options, DCT machines allow manufacturers to customise cutting parameters with ease. Whether handling complex designs or high-volume production, these multi-functional systems adapt to diverse applications, ensuring efficiency, flexibility, and precision.

Our typical delivery, installation and training process.

Delivery

Your DCT includes delivery to the UK mainland; however, offloading and siting are the customer's responsibility, and a suitable forklift is required to remove the system from the wagon. Note that we will advise you on the method of offloading, such as the correctly rated forklift, and how to move the machine into place. Upgraded delivery methods are available if you have no means to offload the machinery.

Installation

Our professional installation team will promptly arrive on the agreed installation date. Typically, the commissioning of the machine will take one day, with the first half of the day being the commissioning, and the second part of the day being dedicated to your training. Our engineer will take care of everything for you in getting the machine commissioned and ready for operation, the only requirement is to ensure the machine is connected to your electrical supply.

Finance Options

Finance Options are available. Why not spread the cost of your machinery purchase? Our finance partner Percy Finance Ltd is an appointed representative of AFS Compliance Ltd which is authorised and regulated by the Financial Conduct Authority. Firm number 625035, Percy Finance Ltd is a franchisee of Asset Finance Solutions (UK) Ltd.

All quotes are subject to status - minimum trading of 2 years.

Machine Training

Our DCT installation engineers are not only highly skilled professionals but also approachable and patient, dedicated to making your experience seamless. They provide comprehensive machinery training in a relaxed and supportive atmosphere, ensuring you feel confident and comfortable every step of the way. With their expertise and commitment to excellence, you can trust that your installation and training will be a smooth, stress-free process, setting you up for long-term success.

Software Training

We include training for up to four operators in a calm, supportive setting. Our expert engineers tailor the training to each person's skill level, ensuring everyone can safely import designs, set up tool paths, and prepare files for production. Our goal is to equip your team with the basic knowledge and skills necessary to safely use your new machine.

High Precision
Digital Cutting Tables

Mantech's Aftersales and Support are founded on over 25 years of experience providing machinery tools to businesses across the UK, Ireland, and Europe. We offer comprehensive support through our fully staffed 6-person service desk and a team of 15 skilled road engineers, dedicated to delivering prompt and professional assistance. All customers benefit from access to our service portal, enabling them to easily track communications, book services, and stay informed every step of the way. At Mantech, service isn't just a priority—it's the foundation of our business.

Service Desk

Our dedicated 6-person service desk is always ready to assist you with any inquiries or technical issues. With a fully staffed, office-based team, we ensure you receive prompt and reliable support whenever you need it.



Fully Manned Team

Our robust support network includes 15 skilled road engineers who are strategically positioned to provide on-site assistance across the UK, Ireland, and Europe. Whether it's installation, maintenance, or repairs, our expert team is equipped to deliver fast, professional service.



Extended Warranty

For added peace of mind, we offer extended warranty options of up to 5 years, providing you with comprehensive coverage and minimising downtime. Our warranties are designed to keep your equipment running smoothly, ensuring long-term reliability and performance.



Service Portal

Our online service portal offers convenient access for tracking communications, booking services, and monitoring the progress of your requests. It also provides a wealth of resources, including hints, tips, and guides to help you get the most out of your machinery.

