

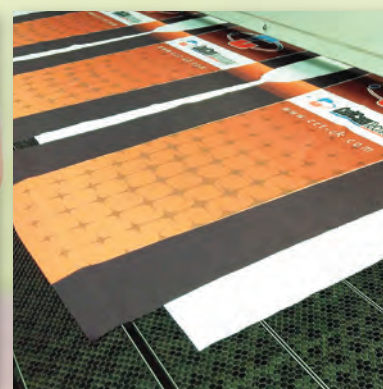
Laser Cutting Printed Fabrics



CadCam Technology
LTD



**The fastest cutting machines have
now become even faster.**



Contour Cut Vision by CadCam Technology

Contour Cut Vision by CadCam Technology Ltd automates the process of cutting out printed fabric quickly and accurately, automatically compensating for any distortions and stretches that occur in unstable rolls of textile.

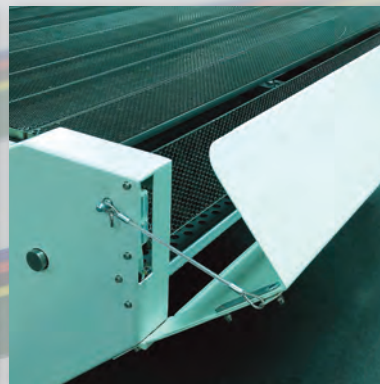
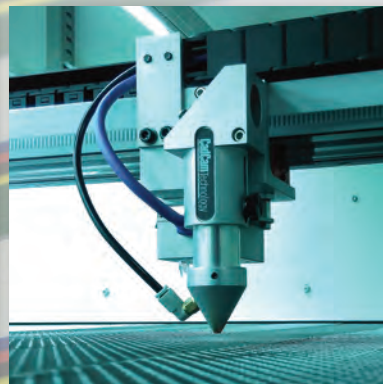
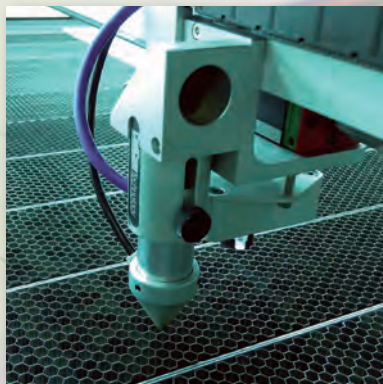
State of the art camera recognition is used to quickly scan the material and automatically create the vectors for cutting, alternatively the marks can be accurately read by our laser allowing

our intelligent analysis to compensate for any deformations.

When the laser cut pieces exit the machine, they are perfect every time.

As laser cutting is non-contact there is no drag on the material and no blades to change. High speed loop servo motors ensure precise camera mapping and accurate cut lines with minimal user interaction.

Material is automatically unrolled and transported onto the vacuumed cutting bed using our next generation conveyor system. You simply collect the pieces as they exit the machine, this gives Contour Cut a major advantage over traditional fabric cutting methods.



Laser cutting sublimation printed fabrics

'Contour Cut Vision' is the latest innovation for fast and precise laser cutting of dye sublimated textiles. Its on-board vision system quickly scans the material on the cutting bed and automatically creates a cut vector.

No need to create cut designs, just send any size designs in any order and produce perfectly cut banners, flags or garment components with quality sealed edges.

'Contour Cut Vision' is equipped with the best quality sealed RF laser source and will excel in a rapid production environment. The stainless steel honeycomb vacuum conveyor will accurately feed and cut any length shape or nested design with unrivalled speed, all within a machine footprint of no more than 8sqm.

'Contour Cut Vision' is complimented with all the features of our best-selling 'Contour Cut' conveyerised laser cutter, with the addition of the 'vision' scanning equipment and advanced software, **the fastest cutting machines have now become even faster.**





Fast and precise cutting of dye sublimated textiles.

Auto vectorising and zero design setup time.

Just **press** go!



Contour Cut Vision Features

Motion System - Loop servo motors with hardened ground steel rails

Software - ApS-Ethos Cutting Composer with Contour Cut Vision

Resolution - 0.025mm

Acceleration - up to 2g

Water chiller (if required)

Steel reinforced drive belts

Zero backlash X Belts

Kevlar reinforced timing belts

High precision CNC controller with raster capability

Speed increments of 0.1mm/sec for accurate adjustment

1000mm/sec maximum speed

Axial Speed - 0.2mm/s up to 1000mm/s

Visible diode for setup

Hardened and ground precision motion rails

Full compliment single row cageless bearings

Fully anodised extruded chassis

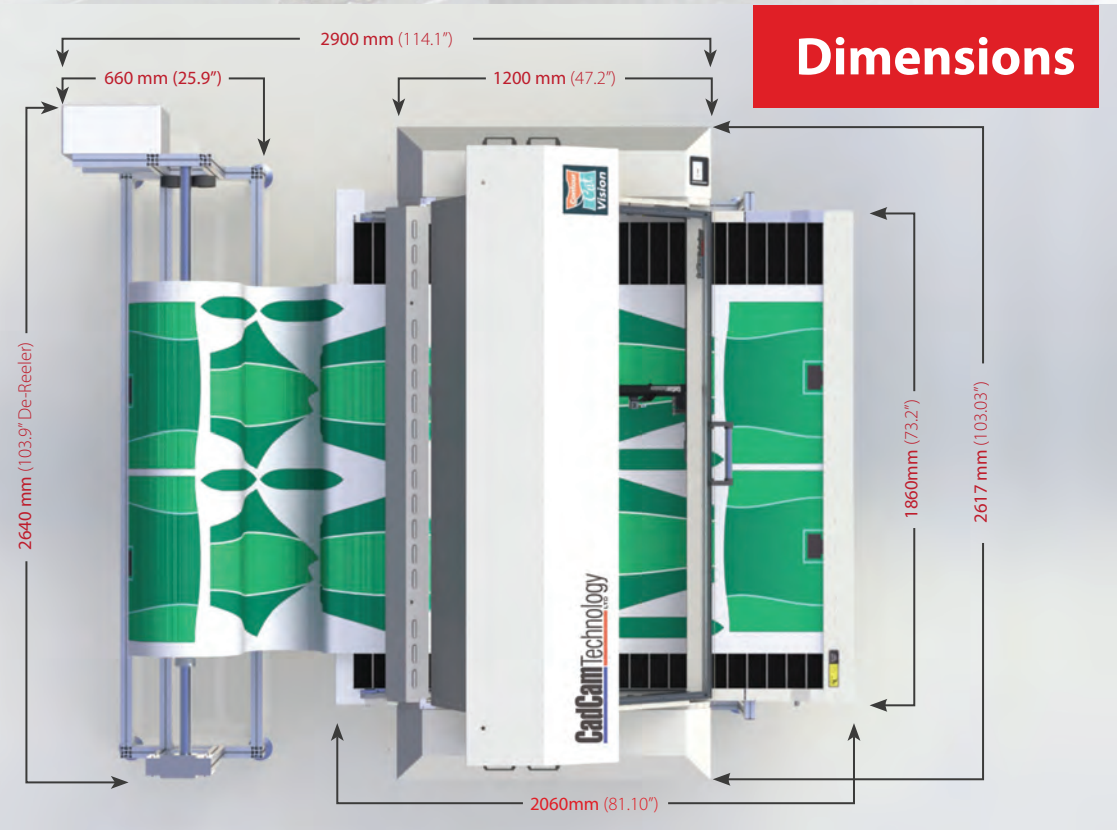
Single phase input

Extraction speed control

Compressed air drying bowl and flow regulator

High Resolution line scanner

PC and Monitor included



Dimensions

Laser power options

50 Watts, 100 Watts, 200 Watts

Height

1675mm (65.9")

Width

2617mm (103.03")

Depth

2060mm (81.10")

Max roll width

1900mm (74.8")

Max cut width

1860mm (73.2")

Max cut length

Continuous

Weight

950kg (approx)

Cutting bed type

Honeycomb conveyor cutting bed

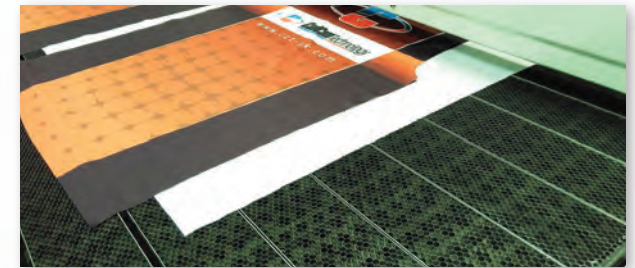
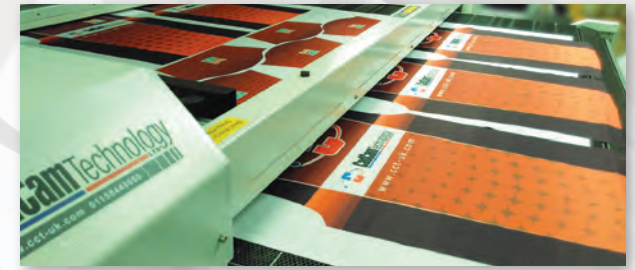
Conveyor System

Our conveyors allow continuous production of rolled material and transport cut parts out of the machine automatically. The honeycomb cutting bed allows extraction from underneath which not only provides a clean cut, but also vacuums the material down for precise movement through the cutting field.

It is possible to cut parts larger than the cutting area by using the bite feed option. Once the first part of the cut is completed the conveyor moves, then cuts the next part, and so on.

A compressed air knife system is located under the end of the conveyor which blows a thin jet through the honeycomb slats to remove the cut parts clear of the machine.

Our conveyors are encoder driven and use endless wedgetooth belts for precise movement. Stainless steel honeycomb slats and anodised aluminium parts are corrosion resistant to ensure longevity.



Motorised De-Reeler

Material is presented to the conveyor using our motorised roll handling system. As the roll unwinds, a loop is created in the material. This loop is kept constant with the use of a light sensor. As material is taken up by the conveyor, the motorised roll handler automatically feeds the material out. This loop also relaxes the material so all fabric tension is removed before cutting, reducing distortion and ensuring an accurate cut.



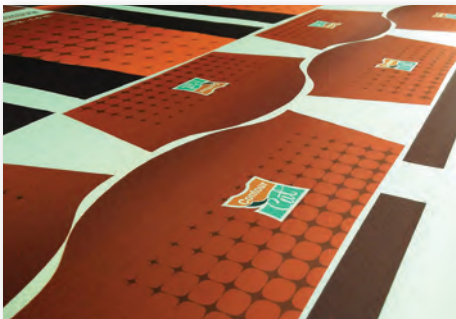


Vision Recognition

State of the art camera recognition is used to quickly scan the material and automatically create the vectors for cutting.

Distortion Compensation

The system automatically compensates for any distortions or stretches on any textiles.



Bite Feed

Parts larger than the actual machine can be cut continuously with no problem.

Precise, Accurate Cuts

Accurate cutting at high speeds, over and over again, saving you time and money.



Your nearest distributor is:

All our laser products and software are manufactured to high standards in the UK by CadCam Technology Ltd:

CadCamTechnology
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CadCam Technology Ltd
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For further information and contact details of our international distributors please visit:

www.cct-uk.com

