



RUNBO DC/SC Series

HIGH SPEED, INTELLIGENT CUTTING MACHINE

The premium series of RUNBO flatbed cutters, with high definition CCD camera, it enables automatically and precision positioning for various material and conveyor contour cutting. With multi functional mode, steel frame structure, and most advanced developed software for stress-free cutting. Used often in flexible and hard materials cutting for manufacturing and industrial applications. Using customised tools, designed blades and utility knives, a cutter for high speed, accuracy, stability and reliability - that is RUNBO for high power mass production needs.

And above this need, is the mainstream for prototyping, product sampling, design mock ups, all in one, utility and functional equipment with strong robustness. RUNBO adopts gantry milling metal steel frame, exceptional solid, sturdy strength, one that will look for in production vibration free amplitude, to ensure each job, each cut, each feed when cut is complete with accurate results each and every time. It cuts on heavy and light stock material, PET, PVC, foamboard, corrugated board, graphite sheet, non asbestos material with same precision and speed.



FEATURES AND ADVANTAGES:

Intelligent Tool System: an easy to replace tool system for quick and convenient tool change, to have users to change between different type of tool efficiently for diverse production back and calls.

High power vacuum pump: with a high flow rate and power air suction to generate strong and stable negative pressure during cutting. To ensure cut materials is secured firm to the cut table and avoiding displacement and to resolve warping during cut to the minimal.

Solid cut table: thick aerospace grade honeycomb aluminium structure with high rigid support frame, so table remains free from dimensional instability for long period of high speed cutting with material staying flat and firm with pinpoint precision.

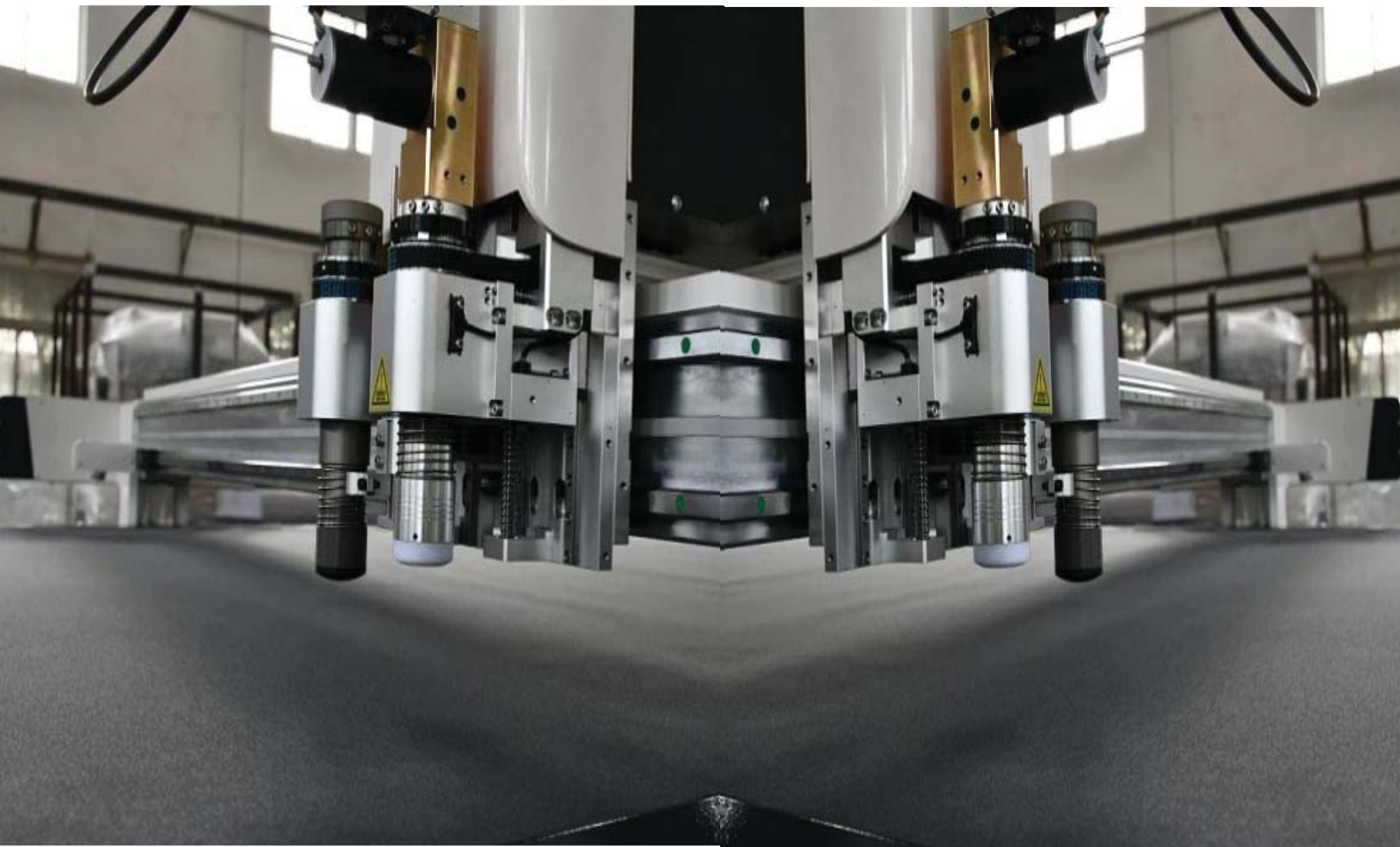
Upright Silencer: Newly upgraded silencing system helps to create a quieter working environment for the users, made with purpose not only to make work comforting and also to have safety of operation in mind. Together with optimizing cooling and thermal management it helps to prolong the lifespan of your investment, and maintain consistency for prolong manufacturing periods.

Infra-Red sensing system: for anti collision safety that detects the distance of the beam to avoid colliding accidents within the operations facility with personal safety as our priority.

Multiple Tool head module: Is always a welcoming need capable to meet various cutting needs and expectations improving the production efficiency and turnaround time in that production space. As such, various and multiple type of hard and soft material are easily handled without tedious change of tools and calibration, bringing ease of mind and confidence to the production crew.

Precision tool alignment system: infra red laser aids in detecting the tip of the cut blade, enable the machine to calculate the cutting height intelligently preventing errors as to manual adjustment. This helps alleviate damage to cutting blade and table by miscalculation or possible accidents due to manual depth adjustment.

Portfolio of Cut tools for carpets, KT boards, textile/leather, backlit vinyl, self adhesive, graphite, gasket, non asbestos, carbon fiber, or composite. We do our best with our array of tools and designed blades to deliver what you expect best to our capability.



Exceptional Precision: The machine delivers extraordinary cutting precision of ± 0.01 mm (about 10 microns), level of accuracy of what the limits of mechanically is achievable. Combined with equal repeatability of ± 0.01 mm on servo motor control, rigid structural frame and precision linear motion rail on X,Y axis synchronization.

Cut Depth: It is engineered with power cutting of materials up to thickness of 50mm. The substantial depth position machine above standard fixed table flatbed. With adjustable depth control and high torque motor system, position sensors, and rigid tool carriage to prevent deflection and vibration when cutting at maximum depth.

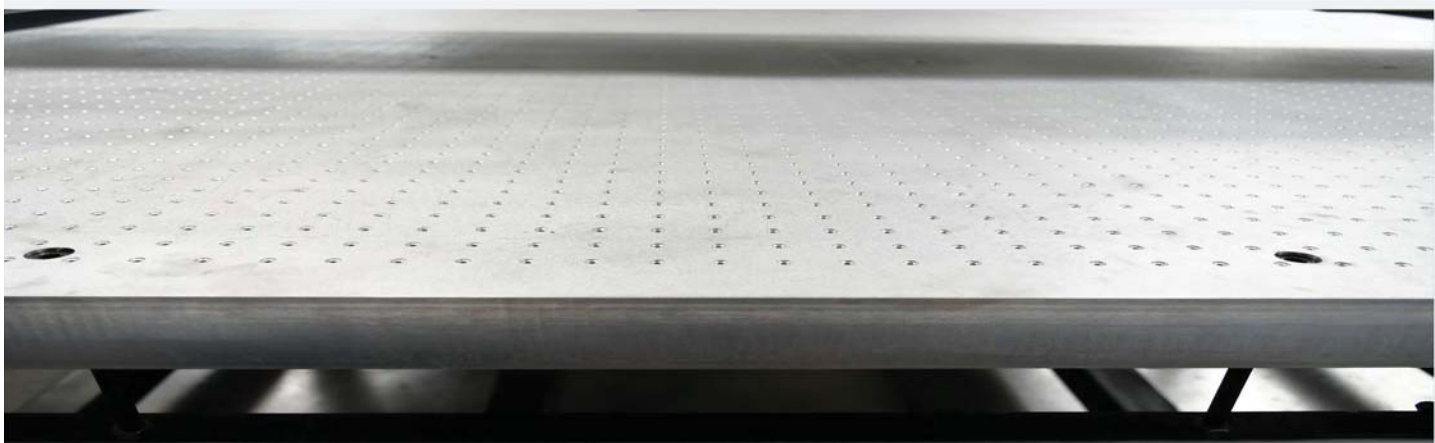
Automation: It fully automates digital die cut, with automatic feeding, cutting, and collection/off loading system on multiple tools configurations. Its' industrial grade CCD system, extreme high resolutions of 0.025 helps capture cutting, with clarity. It reads multiple points references for material distortion, skew or expansion with precise registration.

Multi-Functional: Features a single-head system, with multiple tool heads for cutting and creasing, (for V-cut, Perforation, heavy creasing) with choice of pneumatic or electric vibration, and also milling functionality at a run speed of 2000mm/sec (dependent on type of material) and Universal Cut tool for an automated, single-step operation.

Precision Speed: Powered by a servo motor for faster, productive operation. Cutting Precision: Highly accurate with a cutting precision of ± 0.01 mm and a repeat precision of ± 0.015 mm. Max Speed: Capable of high speeds, with max cutting and adjustable moving speeds up to 1500 mm/s to 2000 mm/s. And optional QR code, or box template library for box and corrugated applications.

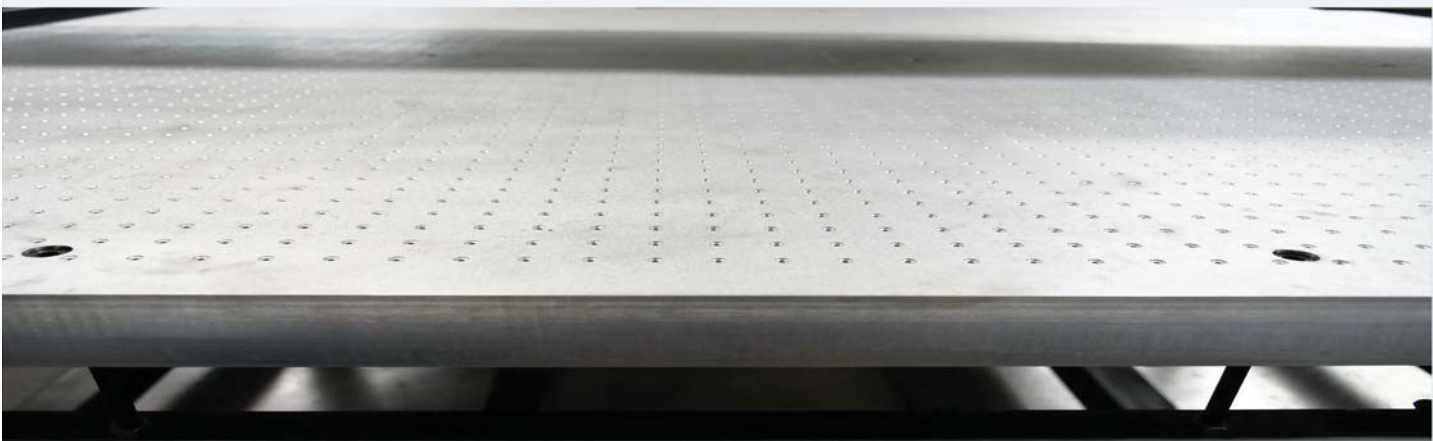
Compatibility and connectivity: Working in full compatibility with leading vector graphic with industry-leading design software like Corel-DRAW®, Adobe Illustrator®, and Adobe Design. It supports DXF (Drawing Exchange Format) and PLT. Offers connection, on standard network port, Wi-Fi for file receiving, and U-disk (USB flash drive on PC console), for flexible file input.

TECHNICAL SPECIFICATIONS: DC series



Machine model	DC-1310	DC-1815	DC-2516	DC-2516R	DC-3020	DC-3020R
Effective cutting area	1300*1000mm	1800*1500mm	2500*1600mm	2500*1600mm	3000*2000mm	3000*2000mm
Total machine power	7.5kw	7.5kw	9.5kw	10.5kw	10.5kw	20kw
Overall dimensions	2020*1900*1380	2520*2400*1380	3220*2500*1380	3650*2530*1380	3870*3080*1380	3605*2530*1380
Cutting speed	≤2000 mm/s (cutting according to different materials)					
Cutting thickness	≤50MM					
Cutting materials	Various corrugated paper, plastic hollow boards, red hard cardboard, yellow thick cardboard, white cardboard, kraft paper, PVC boards, foam boards, EPE, EVA, rubber, etc.					
Standard configuration	High-speed oscillating knife, drag knife, and creasing module					
Optional tools	Foam cutting blade, kiss cut tool, slotting tool, etc.					
Fixation method	Vacuum adsorption					
Repetition accuracy	≤0.01mm					
Software resolution	0.025					
Transmission port	Standard network port					
Buffer capacity	2G, one-time quick transmission with page-turning cutting function					
Compatible formats	PLT, DXF, AI, PDF, NC, etc					
Operation interface	Touch screen					
Drive system	High-end servo motor drive, linear navigation					
Working voltage / Power	AC / 380V±10% 50Hz					
Fuse specifications	6A/30A					
Working environment	Temperature: 0~35℃, Humidity: 35%~80%					
Site requirements	The bearing capacity is 150kg to 200kg per square meter, with reserved space for turnover					

TECHNICAL SPECIFICATIONS: SC series



Machine model	SC-1516R	SC-2516R	SC-3016R	SC-2518R	SC-2520R	SC-2525R
Effective cutting area	1500*1600	2500*1600	3000*1600	2500*1800	2500*2000	2500*2500
Total machine power	7.5kw	9.5kw	9.5kw	9.5kw	11kw	11kw
Overall machine dimensions	2740*2520*1380	3740*2520*1380	4240*2520*1380	3740*2720*1380	3740*2920*1380	3740*3420*1380
Cutting speed	≤2000 mm/s (cutting according to different materials)					
Cutting thickness	≤50 MM					
Cutting materials	Garment fabrics, leather, genuine leather, coated fabrics, canvas, Oxford fabric, carpet mats, cardboard, rubber, soft glass, silicone, gaskets, sponge, carbon/glass fiber prepregs, aramid, various foams and composite materials, felt, and textiles, etc.					
Standard configuration	Pen, cursor, active round blade / high-speed vibrating blade (choose one)					
Optional tools	Round punch/positioning tool, V-shaped punch tool, laser alignment device, CCD automatic positioning system, top press system, projection system, etc					
Fixation method	Vacuum adsorption					
Repetition accuracy	≤0.01					
Software resolution	0.025					
Transmission port	Standard network port					
Buffer capacity	2G. One-time fast transmission enables page-turning cutting					
Compatible formats	PLT, DXF, AI, PDF, NC etc.					
Operation interface	Touch screen					
Transmission System	High-end servo motor drive, linear guide					
Working voltage / Power	AC / 380V±10% 50Hz					
Fuse specifications	6A/30A					
Working environment	Temperature: 0~35℃, Humidity: 35%~80%					
Site requirements	The bearing capacity is 150kg to 200kg per square meter, with reserved space for turnover					