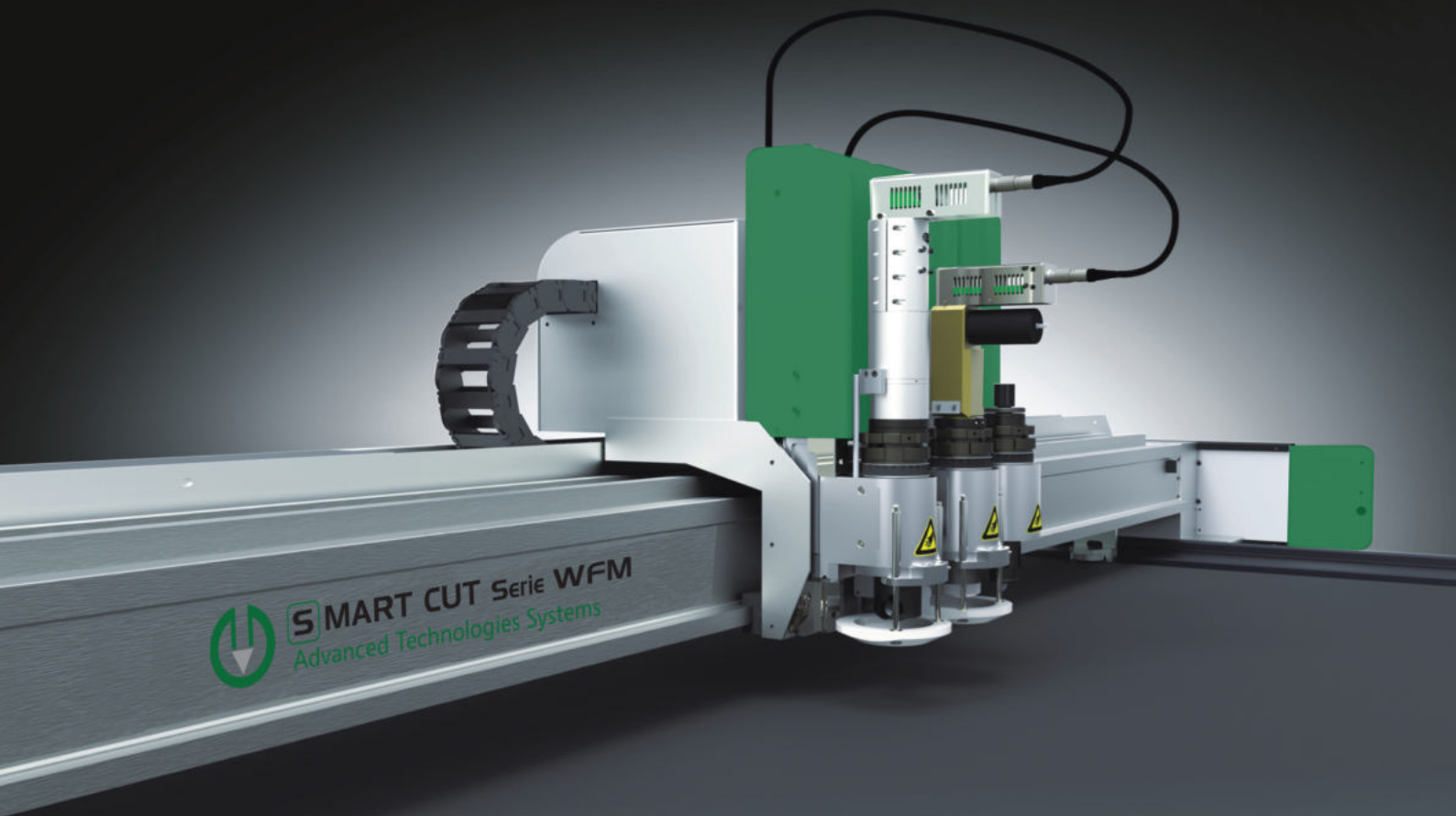




SMART CUT

WFM LARGE FORMAT CUTTING SYSTEM



SMART CUT Serie WFM
Advanced Technologies Systems



The Smart Crystal (Thailand) Co., Ltd.

Tax ID : 010555619488

Showroom : 36 Soi. Kumkiao 24 Lamplatew Latkabang
Bangkok 10520

Contact : 092-336-6569, 097-940-4134, 096-826-7555
For English 084-774-9585

Website : <https://www.smartcrystal.co.th>

SMART Automatic Camera Positioning System
 Equipped with high precision CCD camera, the system realizes automatic position on all kinds of materials, automatic camera registration cutting, and solves problems of inaccurate manual position, and print distortion, thus to complete procession task easily and precisely.



Diversified Cutting Tools
 In order to meet different industrial cutting requirements, the cutting head can be flexibly chosen from the standard head, punching/notching head, and the milling head.



X Axis Two Motors
 For the extreme wide beam, use the two motors with the balance technology, make the transmission more stable and accurate.



AKI System
 The depth of cutting tool can be controlled accurately by the automatic knife initialization system.



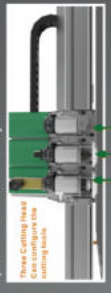
Dual Beams Cutting Systems
 Equipped with double beams cutting system, can highly increase your production efficiency.



SMART Continuous Cutting System
 With the intelligent conveyor system, to achieve cutting and picking up the samples at the same time. It totally saves the labor cost and improves the efficiency significantly.



Higher Efficiency Cutting Head
 Cutting speed can reach to 1.5m/s, which is 4-6 times of traditional manual way. Intelligent control system of Z-axis height decreases cutting tools' moving distance, shortens working time and thus improves the production efficiency.



SMART Safety Device
 Anti-collision protective device and Infrared blocking device ensures operator's safety at most high-speed working condition.



SMART Motion Control System
 SMART motion control system, CUTSERVER is the center of cutting and controlling, enables smooth cutting circles and perfect cutting curves.



Gear
 Providing high speed, durability, excellent dynamic for cutting high density materials. The system can provide excellent dynamic condition under enormous workload.



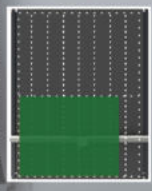
Software
 Processing of larger sizes of materials can be realized by page cutting function.



Aviation Aluminum Honeycomb Panel
 Application of aviation aluminum honeycomb panel, making the inside air of panel moves freely, ensures the stability of structure without the influence of thermal expansion and contraction effect. Meanwhile, mutually constrained dense cells respectively and averagely bear the force from the panel to ensure the high-level flatness of the working table even of quite large size.



Flexible Working Area
 The modularized working area can be added according to customers' requirements.

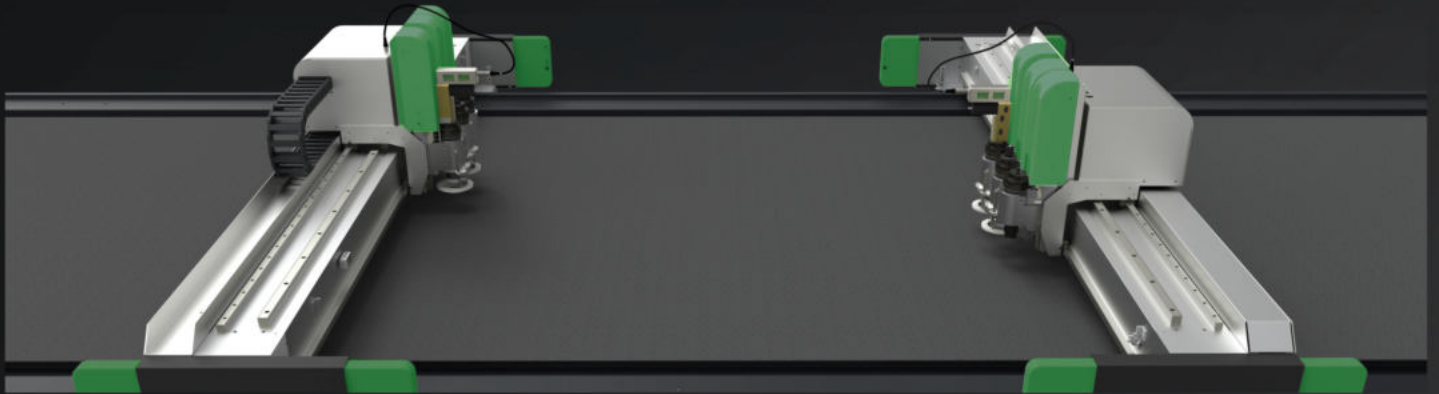


Ergonomic Design
 To strengthen the stability of the machine, WFM adopts new aviation aluminum material with high intensity, corrosion resistance and strong tenacity. At the meantime the design of WFM system is ergonomic friendly which allows you to have better humanized experience of operation control and processing materials.



WFM Large Format Cutting System

WFM big format cutting system provides best choice for multi-industries automatic processing. Its system can be precisely used for full cutting, half cutting, engraving, creasing, grooving and marking. Meanwhile, precise cutting performance could meet your large format requirement. user-friendly operating system will show you a perfect processing results.



WFM Dual Beams Large Format Cutting System

SIZE

Length Width	2500mm	3500mm	5500mm	Customized Size
1550mm	WFM-2515 Cutting Area 2500mmx1550mm Floor Area 3300mmx2300mm	WFM-3515 Cutting Area 3500mmx1550mm Floor Area 4300mmx2300mm	WFM-5515 Cutting Area 5500mmx1550mm Floor Area 6300mmx2300mm	Based on the standard size of WFM, can customize the machine according to customer's special requirements.
2100mm	WFM-2521 Cutting Area 2500mmx2100mm Floor Area 3300mmx2900mm	WFM-3521 Cutting Area 3500mmx2100mm Floor Area 4300mmx2300mm	WFM-5521 Cutting Area 5500mmx2100mm Floor Area 6300mmx2900mm	
3200mm	WFM-2532 Cutting Area 2500mmx3200mm Floor Area 3300mmx4000mm	WFM-3532 Cutting Area 3500mmx3200mm Floor Area 4300mmx4000mm	WFM-5532 Cutting Area 5500mmx3200mm Floor Area 6300mmx4000mm	

PARAMETER

Pump Vacuum	1-2Unit 5.5kw	2-3Unit 5.5kw	3-4Unit 5.5kw
Beam	Single Beam	Can select single beam or dual beams	
Speed	1500mm/s		
Cutting Accuracy	0.1mm		
Thickness	50mm		
DataFormat	DXF、HPGL		
Interface	Serial Port		
Media	Vacuum System		
Power	220V/50HZ 380V/50HZ		
OperatingEnvironment	Temperature 0°C-40°C Humidity 20%-80%RH		

Automobile Upholstery

WFM large format cutting system provides a total solution for a wide variety of materials used in the automotive industry including textiles, PVC and many other interior components.



Composites

WFM large format cutting system can replace hand-painting, hand-cutting and other traditional crafts in the composite material products processing, especially for irregular, irregular patterns and other complex samples, effectively improved the production efficiency and cutting accuracy.



Sign & Advertising/ Packaging

WFM large format cutting system provides a total cutting solution to the advertising industry, especially in terms of PP paper, KT board, Foam board, stickers, corrugated board, honeycomb and other materials processing. It can be equipped with high-speed milling spindles for acrylic, aluminum plastic plate and other hard materials processing. with the automatic rolls/sheets feeder, it could full-time automatic production.



Garment & Textile

Equipped with Driven Rotary Tool(DRT), Notch & Punching Tool(PPT) and automatic correction system, WFM large format cutting system provides an integrated cutting solution to Brand garments, advanced custom made garments industry.



Furniture & Textile

WFM large format cutting system provides an integrated cutting solution to the home textile industry, not only significantly improved the textile utilization and processing efficiency, but also can effectively improve product's quality. To achieve high efficiency of products, low supplies cost, and quality optimization.



Other Industries

WFM large format cutting system is widely applied to global non-metallic industries, such as footwear, luggage, membrane, sporting goods, toys, wind power, medical supplies etc. In order to provide professional and stable integrated cutting solution for non-metal industrial customers.

