

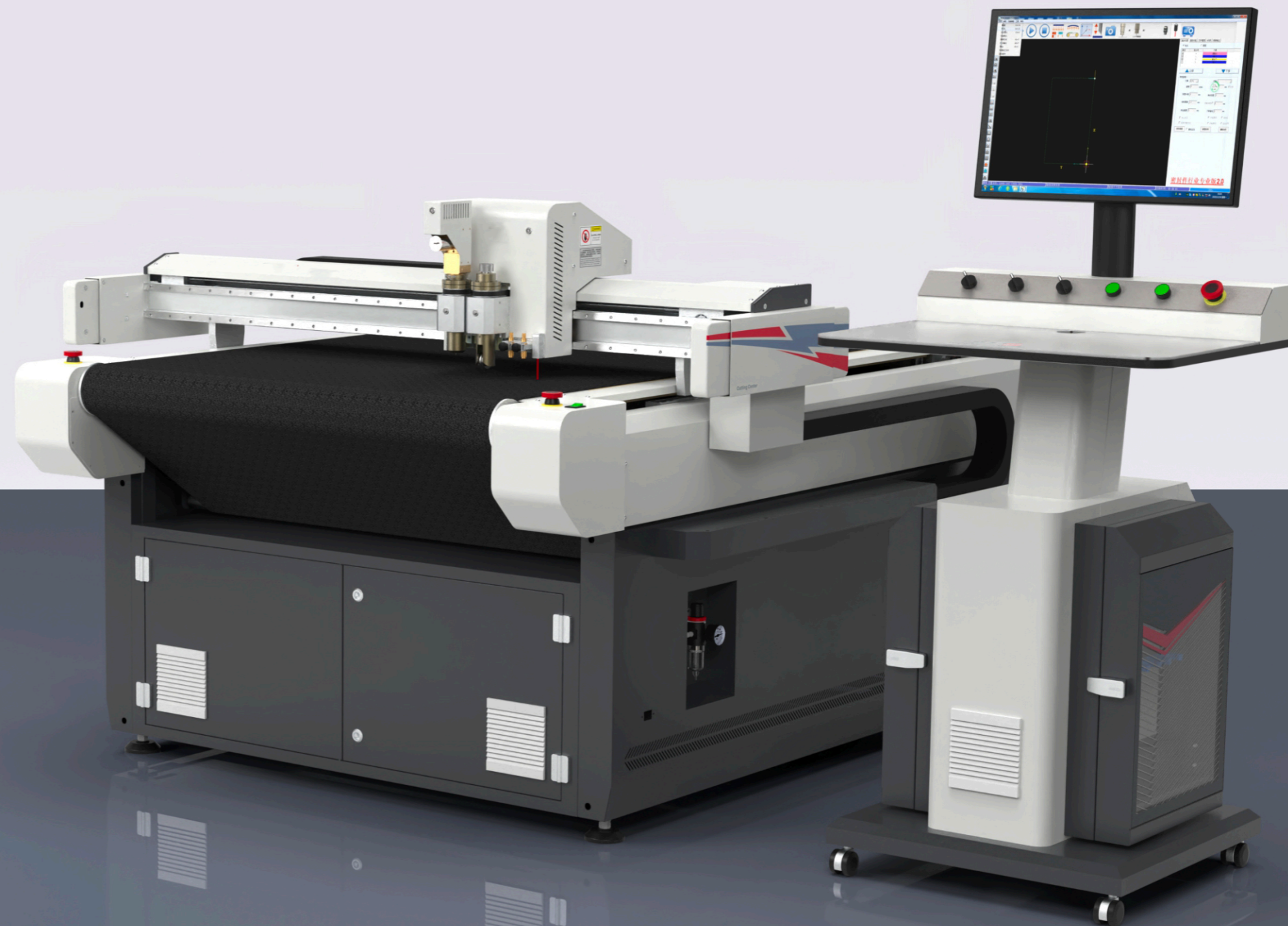
SF 1310

智能裁切机

Digital Cutting Machine

SF是一款适合图文标签及卡纸包装行业的较大型的打样生产神机，具有操作要求低，应用场景广，投资回报率高等诸多优势。机器占地面积小，加工幅面1000*1300mm，最大加工厚度可达10mm，配备有滚动式毛毡送料机构，全自动上纸吸盘及另可选配的可折叠式自动升降放料平台。集成式多功能切割机头配备两组图文刀座和2个快换通用刀座可安装电动振动刀，拖刀，主动式半切刀，压痕刀，斜切刀和虚线刀等多种刀具，使设备应用范围更广，可加工的材料和加工工艺更多，是图文标签及卡纸包装行业的好帮手！

Digital die cutter model SF is a great fantastic larger proofing machine suitable for graphic labels and packaging industry. It has many advantages such as "one-click" operation, wide application range and high return on investment. With its small footprint, the processing area of the machine is 1000*1300mm and the maximum processing thickness can reach 10mm. The machine is equipped with conveyor feeding system, automatic suckers and optional foldable automatic lifting material device. Integrated multi-function cutting head is equipped with two pieces of plotting kiss-cut tool holder and two pieces of quick-change universal tool holder, which can be installed electric oscillating tool(EOT), drag tool, kiss-cut tool, creasing tool, V-cut cutting tool, perforation tool and other cutting tools. It makes not only the application range much wider, but also much more of the materials variety and the processing artwork. It is a perfect helper in printing advertising and packaging industry!



cutting software supports the following file formats:

切割软件支持以下文件格式：



控制台为选配物件
※ The console is optional.



1 Optional tool units as following 可选的切割工具单元



高频电动振动刀
Ultra-frequency electric oscillating tool



拖刀工具
Non-oscillating tool



压痕刀工具
Creasing tool



半切刀工具
Kiss-cut Tool



斜切刀工具
V-Cut tool



虚线刀工具
Perforation head

2 Application industry 应用行业



Advertising printing industry
广告印刷行业



Packaging industry
包装行业



Wedding gift industry
婚庆礼品行业



Other industries
其他行业

Main technical parameters 设备主要技术参数

Overall dimension / 设备外形尺寸 (含料架):	2200×1710×1250mm	Drive system / 传动系统:	Full servo, linear guide rail, synchronous belt 全伺服、直线导轨、同步带
Work area / 工作尺寸:	1000×1300mm	Number of motor / 电机数量:	6
Work platform / 工件台面:	Aluminum alloy honeycomb table and conveying carpet 铝合金蜂窝真空台面+毛毡传动	Format of supported files / 支持文件格式:	AI、EPS、DXF、PLT、PDF、JPG、TIF、TPS
Max material processing height / 材料最高加工高度:	< 10mm (Depending on different material / 根据不同材质)	Equipment power / 设备总功率:	5.0Kw
Beam height / 横梁高度:	60mm	Capacity / 电压:	220V 60Hz/50Hz
Material fixation method / 材料固定方式:	Vacuum adsorption / 真空吸附	Net Weight / 设备质量:	660Kg
Max processing speed / 最大空程速度:	72M/Min.	Applications / 适合行业及材料: Apply to advertising, printing, marriage present and other industries, can cut KT board, corrugated board, cardboard, PP, sticker, vinyl, reflecting material, composite material and any other kinds of flexible materials of thickness within 10mm, depending on hardness of material. 应用于广告、印刷、婚庆礼品等行业, 可切割KT板、瓦楞纸、卡纸、PP纸、车贴、不干胶、反光材料、复合材料等不超过10mm的各种柔性材料。	
Positioning method / 定位方式:	CCD camera, Red light (红光)		
Repeatable cutting accuracy / 重复切割精度:	±0.1mm		

1、切割机头 / Cutting head

*切割机头标配两个通用刀座和两个图文半切刀刀座, 可以安装电动振动刀、拖刀、压痕刀、斜切刀、主动半切刀、虚线刀及两个图文半切刀切割工具, 以满足用户对不同材料和不同工艺进行加工和制作的要求。

The cutting head is equipped with 2pcs of universal tool holder and 2pcs of plotting kiss-cut tool holder that can install electric oscillating tool(EOT), drag tool, creasing tool, V-cut tool, following kiss-cut tool, perforation tool and 2pcs of plotting kiss-cut tool, etc. to meet the users' requirements for different materials and different processing at work.

*SF系列切割机头安装的所有刀具上下运动由伺服电机控制, 大大提高了加工效率、切深精度和操作便捷性。

All tools' up and down movement of the SF series of digital die cutter is controlled by servo motor, which greatly improves the efficiency of processing, the precision of cutting depth and the ease of operation.

*标配两个图文半切刀, 可对车贴、不干胶、卡纸等相对比较薄软的材料通过不同切割深度的调整来进行全切或半切, 切割精度高, 速度快, 并能对精细的图形和文字切出精美的效果。

2pcs of standard configured plotting kiss-cut tool can full cut or kiss-cut filmy and soft materials such as sticker, vinyl and cardboard by adjusting to different cutting depth with high precision and high speed. The cutting effect of fine graphics and text is pretty good.

*定位系统安装有可调照明亮度的LED装置, 确保高清CCD摄像头在光线不良的环境下高精度采集到加工材料上的定位点, 实现对工件的高精度套位切割。针对反光表面的材料切割, 可通过对LED照明亮度的调节确保CCD摄像头有效采集到定位点。

The positioning system is equipped with LED lighting device with adjustable illumination brightness to ensure that the HD CCD camera can accurately capture registration marks on material under insufficient light and achieve high-precision cutting for the work pieces. For cutting the reflective material, the LED illumination brightness can be adjusted to ensure that the CCD camera can effectively capture the registration marks.

2、折叠式自动升降料装置 / Foldable Automatic Lifting Device

折叠式自动升降装置根据用户的需求可作为此款机器的选配。把需要切割的材料放在上料台上, 通过软件对自动升降料装置一键复位, 会将材料平面升到对射红光感应位置, 材料分离装置通过吹气将材料分离, 再通过悬浮式吸纸吸盘将片材带入加工台面进行加工, 有效防止上料过程中的“带料”现象和脱落现象。

The foldable automatic lifting device can be an optional part as the users' request. After loading the material on material lifting table and click the "table reset" key to move the tabletop to the red light-sensing position. The material separating device separates the material by blowing air, and then takes a sheet to the processing table for processing through the suspended strong sucker effectively preventing the phenomenon of taking materials and falling off during the feeding process.

3、切割台面 / Cutting table

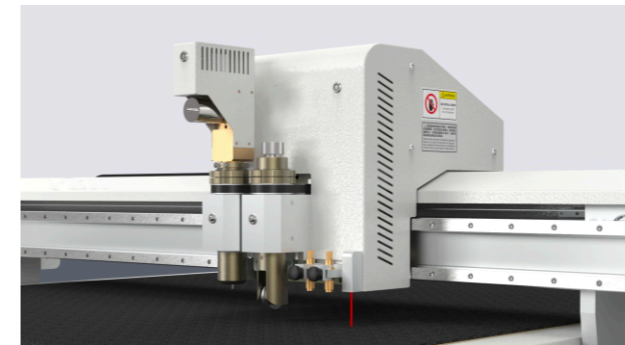
采用航空铝真空吸附台面, 吸附力大, 确保高精度切割。切割台面最大可裁切1000X1300mm, 履带式切割毛毡, 透气性好, 将可自动将加工完成的材料送至成品集料区。

It adopts aviation aluminum vacuum table with strong adsorption to ensure high precision cutting. The effective cutting range can be up to 1000x1300mm on cutting table. Tracked conveyor felt with good air permeability can automatically send processed materials to the finished collection holder.

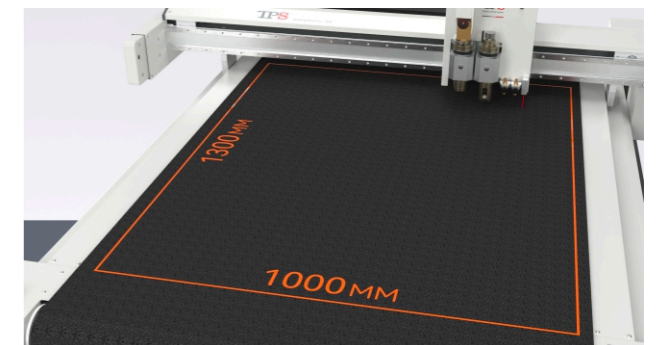
4、文件导入 / Files Import

CCD相机可通过对打印在切割材料上的二维码进行采集把所要加工的切割文件导入到 SF 自主研发的切割软件中进行连续切割。

The CCD camera can capture the QR code printed on the cut material and import the cut file to the SF self-developed cutting software for continuous cutting.



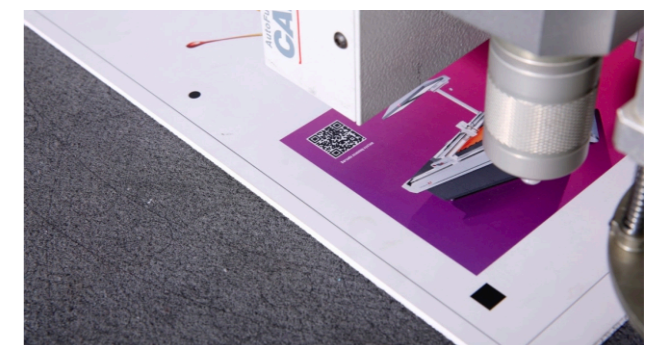
切割机头
Cutting head



切割台面
Cutting table



折叠式自动升降料装置
Foldable Automatic Lifting Device



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