

## ABOUT US

Tangshan Hengfeng Machinery Manufacture Co.,Ltd is a professional manufacture of post printing and packaging machines combined research, production, sales and service into one entirety which located in the delta hinterland of Beijing,Tianjin and Tangshan.We have modern standard workshop,excellent management,professional sales and service team.Adhering to the principle of "Everlasting Quality, Scale New Height." ,we put more attention to the quality and service, take reputation as important as our life,striving for high quality and high efficiency.At present our main products are:automatic die cutting and creasing,foil stamping and flute laminating machines which can be widely used in food,medicine,daily chemical,hardware and other industries.With high quality and service,we will help you create more value.



Professional Manufacture of Automatic  
Foil Stamping / Die Cutting



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LONGLASTING QUALITY SCALES NEW HEIGHTS



ISO 9001:2015

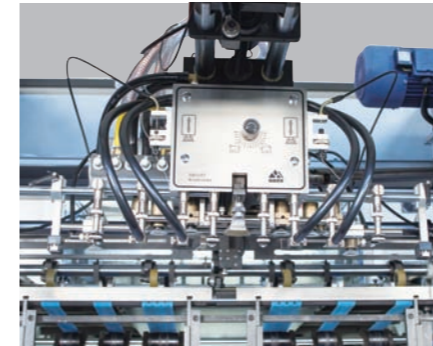
# HF-1060/1450CS/CF/CF-II



Automatic Die Cutting and Creasing Machine (With Stripping Unit)



## 01/ FEEDING UNIT



High precision feeding head which can smoothly running with thin paper and all kinds of cardboard in high speed. Equipped with gantry type preloading mechanism. Main and vice feeding platform working by turns to achieve non-stop running.

## 02/ CONVEYING UNIT



Vacuum conveying system which can ensure thin paper stable and precise conveying. Equipped with Taiwan push-and-pull dual purpose guide lay to make stable positioning in high speed running; conveying wheel quick-adjusting mechanism which can ensure high working efficiency.

## 03/ DIE CUTTING UNIT



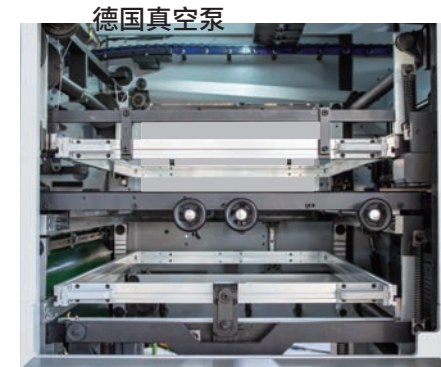
Pressure regulating device adopts gapless ballscrew to make sure precise and stable pressure adjusting. Torque overload protection device.

## 04/ DIE CUTTING STEEL PLATE FINE-ADJUSTING DEVICE



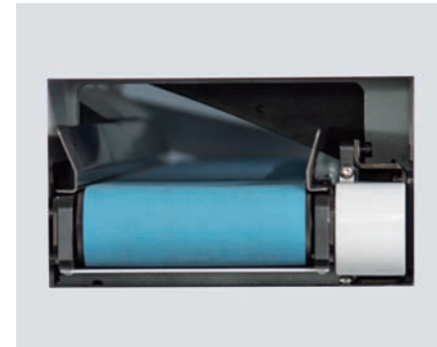
Steel plate fine adjusting device which can revise the bottom die quickly.

05/ STRIPPING UNIT



Stripping unit adopts top,middle and bottom three frames design,collaboration curve is stable,precise and strong.punch stripping and mould stripping can be opted according to your product requirements.Stripping mould adopts central positioning method which can make sure convenient plate changing,precise positioning and stable running.

06/ SECONDARY STRIPPING UNIT



Secondary stripping device which can remove the waste margin away and send it out of the machine by the conveying belt.

07/ DELIVERY UNIT



Delivery unit adopts hair brush and back sucking system to make tidy paper stack;Electric vice delivery device can achieve non-stop running;pneumatic sampling function. Label mark counting function is optional.

08/ GERMANY VACUUM PUMP



Adopt Germany vacuum pump which is stable and durable.

| Features

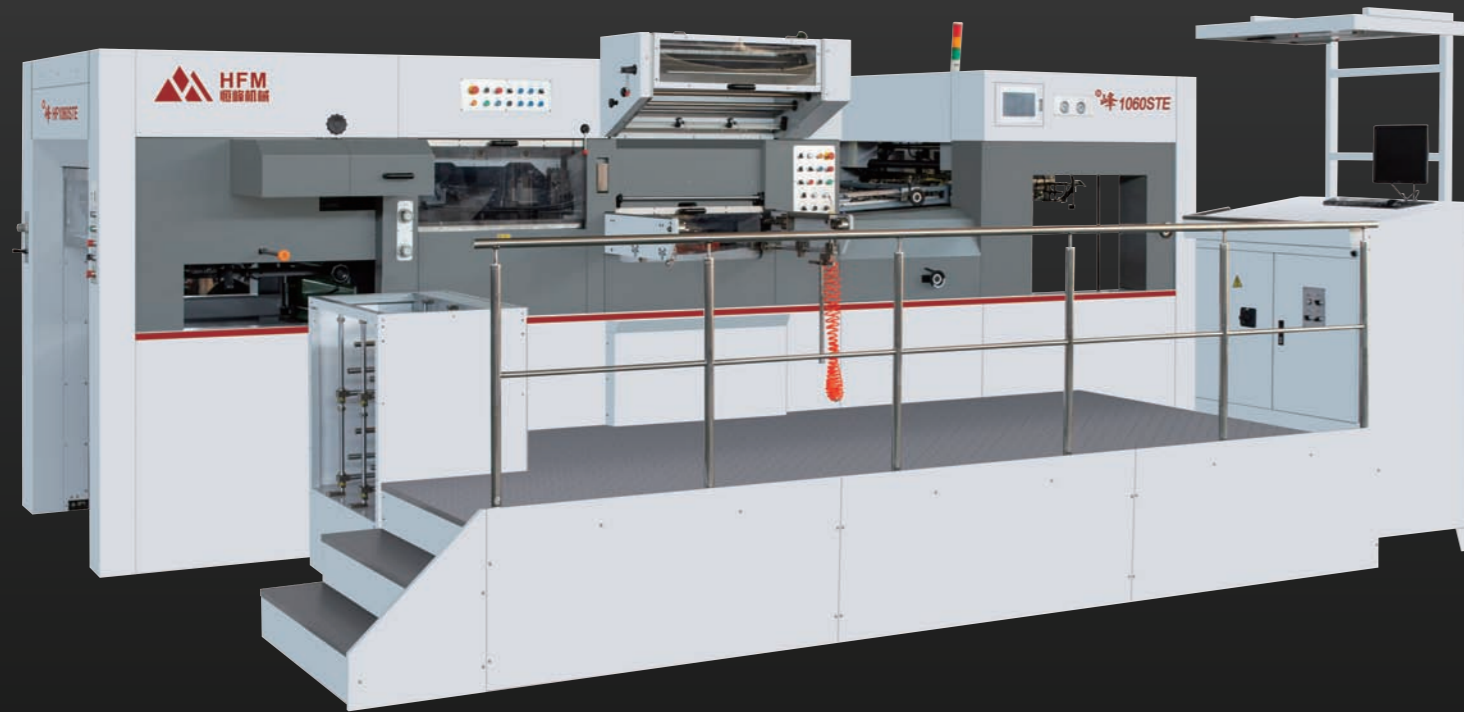
Automatic Die-cutting and Creasing Machine (With Stripping Unit) is a key equipment for die-cutting, creasing and stripping of paper boxes, cartons, trademarks and other paper packaging and decoration products. This machine adopts unique transmission mechanism design such as high-precision intermittent mechanism, pneumatic lock plate, pneumatic clutch, overload protection, electric pressure adjustment, and paper feeder, etc., and the equipment runs at high speed and stability. At the same time, the machine is equipped with practical and reliable mechanisms such as pre-coded paper mechanism, auxiliary paper feeding mechanism, variable speed paper feeding mechanism, automatic auxiliary paper receiving mechanism, pneumatic sampling mechanism, automatic timing oil supply and lubrication, and main drive lubricant forced air cooling device. The machine can give full play to its working efficiency during use. The upper cleaning waste frame has a large lifting space and is more ergonomic, which effectively improves the work efficiency of the operator in the middle frame when installing needles. The electrical components and transmission components of this machine adopt internationally renowned brands to ensure die-cutting accuracy and operational reliability during use. The electrical control system uses PLC and electronic cams to monitor and display the operation of the whole machine, which makes the machine fault diagnosis extremely convenient. The man-machine interface monitoring and display system is adopted, which has the functions of providing operation instructions, fault point detection and display, and troubleshooting prompts to fully realize man-machine communication. The electrical box is cooled by industrial air-conditioning, and the electrical components can operate continuously and stably at a constant temperature.

| Technical Parameters

Model		HF-1060CS	HF-1060CF	HF-1060CF-II	HF-1450CF
Cutting Mode&Function		Die cutting	Die cutting and stripping	Die cutting and full stripping	Die cutting and stripping
Max. Sheet Size	mm	1060×760	1060×760	1060×760	1450×1100
Min. Sheet Size	mm	400×350	400×350	400×350	590×450
Front Margin Size	mm	8~17	8~17	8~17	8~17
Max. Die-cutting Size	mm	1055×750	1055×750	1055×750	1445×1090
Max. Pressure	T	300	300	300	400
Sheet Specifcation	g/m <sup>2</sup>			100~2000	
Corrugated Paperboard	mm		≤4		≤6
Max. Speed	sheets/h	8500	8500	8500	5500
Max. Feeding Pile Height	mm	1400	1400	1400	1500
Max. Delivery Pile Height	mm	1250	1250	1250	1250
Precision	mm	≤±0.075	≤±0.075	≤±0.075	≤±0.075
Main Motor Power	kW	11	11	11	18.5
Total Power	kW	18	18	18	27
Net Weight	T	16	18.5	18.8	28.5
Overall Dimension (LxWxH)	mm	6960×4195×2446	8028×4195×2446	8028×4195×2446	10064×5025×2509

# HF-1060/1300/1450MTE/STE/MT

Automatic Flat-Bed Die Cutting and Foil Stamping Machine

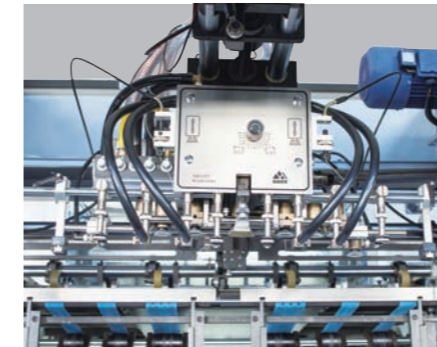


蜂窝板 / 板框预置架 ( 选配 )  
Honey comb plate/die frame placing rack is optional



阻尼式缓冲收箔柜  
Passive radiator buffering foil delivery cabinet

## 01/ FEEDING UNIT



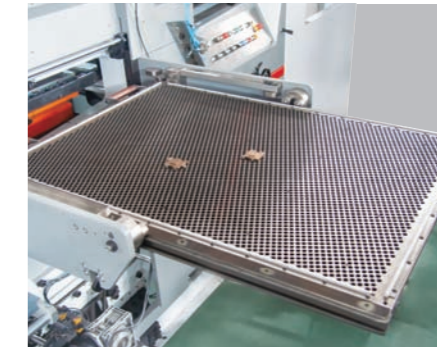
High precision feeding head which can smoothly running with thin paper and all kinds of cardboard in high speed. Equipped with gantry type preloading mechanism. Main and vice feeding platform working by turns to achieve non-stop running.

## 02/ CONVEYING UNIT



Vacuum conveying system which can ensure thin paper stable and precise conveying. Equipped with Taiwan push-and-pull dual purpose guide lay to make stable positioning in high speed running; conveying wheel quick-adjusting mechanism which can ensure high working efficiency.

## 03/ FOIL STAMPING/DIE CUTTING UNIT



Anti-deformation heat-resisting cast iron honey comb plate; Pressure regulating device adopt gapless ballscrew to make sure precise and stable pressure adjusting; Independent 20 heating zones control temperature, precisely controlled heating system, which can ensure stable temperature of the foil stamping die and balanced temperature control of the whole heating system.

## 04/ DIE CUTTING STEEL PLATE FINE-ADJUSTING DEVICE



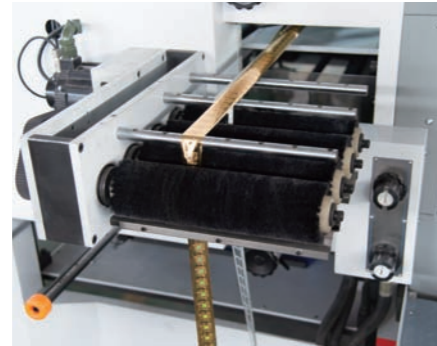
Steel plate fine adjusting device which can revise the bottom die quickly, improving working efficiency greatly.

**05/** LONGITUDINAL HIGH POINT FOIL FEEDING UNIT



Longitudinal three shafts high point foil feeding system and extension type foil release frame can make quick and convenient foil changing,transverse two shafts servo control foil feeding system,disrupted foil checking system.

**06/** LONGITUDINAL FOIL DELIVERY UNIT



External longitudinal hair roller foil delivery system is convenient for waste recovery and recycle.

**07/** DELIVERY UNIT



Delivery unit adopts hair brush and back sucking system to make tidy paper stack;Electric vice delivery device can achieve non-stop running;pneumatic sampling function. Label mark counting function is optional.

**08/** FOIL STAMPING CONTROL SYSTEM



Intelligent arithmetic system can make automatic calculation of leapfrog project for different products,which can save foil greatly.

Features

The automatic flat-bed die cutting and foil stamping machine is a new generation of automatic flat-bed die-cutting hot stamping machine, which has been designed and innovatively developed by our company after many years of developing automatic flat-bed die-cutting hot stamping machine. It is mainly used for die-cutting, bronzing, indentation and cold pressing of paper boxes, cartons and trademarks in the packaging and decoration industry, especially for various high-level and fine prints, such as cigarette boxes, wine boxes, gift boxes, small appliances boxes, cosmetic boxes, etc., can be used for ordinary bronzing and embossing on this machine to obtain three-dimensional, exquisite and beautiful printed products. This machine realizes automation from paper feeding, die cutting, hot stamping, and paper delivery. It can realize the functions of automatic detection, fault display, and non-stop sampling. It also has the advantages of high die-cutting pressure and high registration accuracy. The main drive system of the machine is equipped with a pneumatic clutch and a braking device; the main sprocket shaft is equipped with a torque limiter (safety clutch); and multiple safety detection electric eyes and safety devices, etc.; can avoid the operation due to emergencies to the greatest extent The injury and equipment damage caused by the operator shall fully protect the safety of persons and equipment.

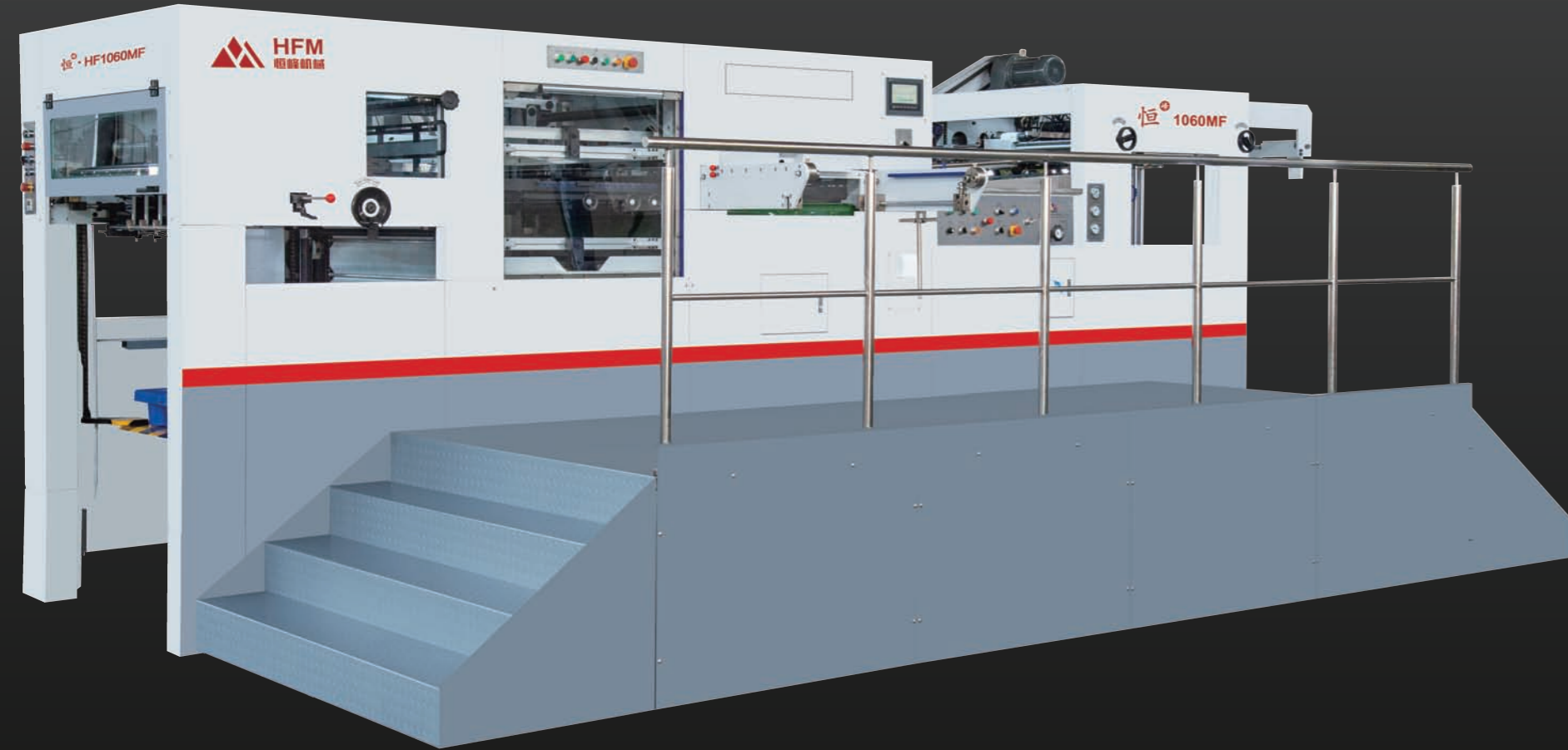
TechnicalParameters

Model	HF-1060MTE	HF-1060STE	HF-1060MT	HF-1300MTE	HF-1450MTE
Cutting Mode&Function	Die cutting and foil stamping	Heavy duty die cutting and foil stamping	Die cutting and holographic foil stamping	Die cutting and foil stamping	Die cutting and foil stamping
Max. Sheet Size	mm 1060×760	1060×760	1060×760	1320×1100	1450×1100
Min. Sheet Size	mm 400x350	400x350	400x350	590 ×450	590×450
Max. Die-cutting Size	mm 1055×750	1055×750	1055×750	1315×1090	1445×1090
Max. Stamping Size	mm 1050×745	1050×745	1050×745	1310×1085	1440×1085
Sheet Specification	g/m <sup>2</sup>		100 ~ 2000		
Corrugated Board	mm ≤ 4	≤ 4	≤ 4	≤ 6mm	≤6 mm
Working speed	sheets/h 7500	7500	7500	6000	5500
Common Stamping Speed	sheets/h 7000	7000	7000	5500	5000
Common Stamping Precision	mm ≤±0.075	≤±0.075	≤±0.075	≤±0.1	≤±0.1
Holographic Stamping Speed	sheets/h —	—	5500	—	—
Holographic Stamping Precision	mm —	—	≤±0.2	—	—
Foil Feeding Unit	纵向3轴 Longitudinal 3 shafts 横向2轴 Transverse 2 shafts	纵向3轴 Longitudinal 3 shafts 横向2轴 Transverse 2 shafts	纵向3轴 Longitudinal 3 shafts 横向2轴 Transverse 2 shafts	纵向3轴 Longitudinal 3 shafts 横向2轴 Transverse 2 shafts	纵向3轴 Longitudinal 3 shafts 横向2轴 Transverse 2 shafts
Max. Diameter of Foil Conveying	mm 纵向Φ250 横向Φ200	纵向Φ250 横向Φ200	纵向Φ250 横向Φ200	纵向Φ250 横向Φ200	纵向Φ250 横向Φ200
Heating Zone	pcs 20	20	20	20	20
Front Margin	mm 8 ~ 17	8 ~ 17	8 ~ 17	8 ~ 17	8 ~ 17
Max. Pressure	T 300	600	300	450	450
Total Power	kW 46	53	46	85	85
Net Weight	T 20.5	24.5	20.5	29	30.5
Overall Dimension (L×W×H)	mm 8028×4802(带预置台)×2559	8028×4966(带预置台)×2559	8028×4802(带预置台)×2559	10064×5690×2670	10064×6065×2670

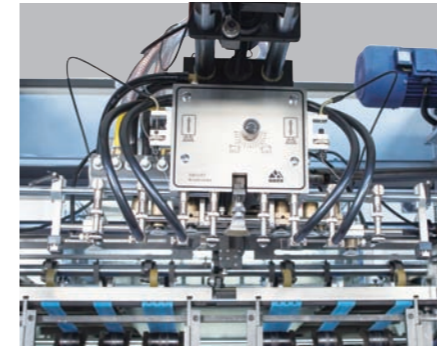
• 系列

# HF-1060MF/RF

Automatic Die Cutting and Stripping Machine (Heavy Duty)

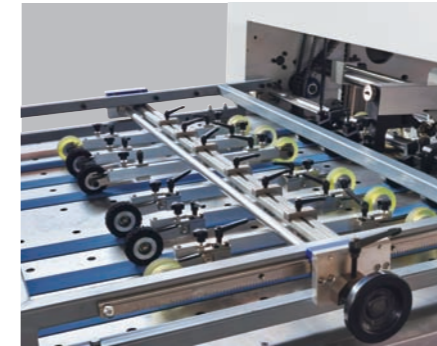


## 01/ FEEDING UNIT



High precision feeding head which can smoothly running with thin paper and all kinds of cardboard in high speed. Equipped with gantry type preloading mechanism. Main and vice feeding platform working by turns to achieve non-stop running.

## 02/ CONVEYING UNIT



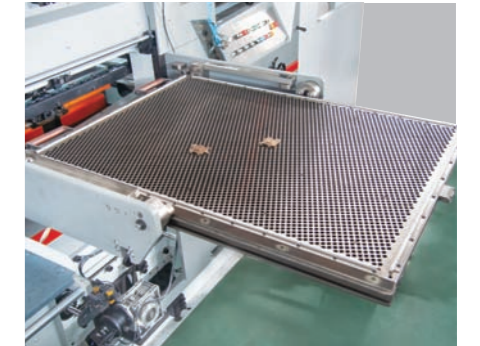
Vacuum conveying system which can ensure thin paper stable and precise conveying. Equipped with Taiwan push-and-pull dual purpose guide lay to make stable positioning in high speed running; conveying wheel quick-adjusting mechanism which can ensure high working efficiency.

## 03/ DIE CUTTING UNIT



Electric pressure regulating device, equipped with safeguard rotary die frame device. Torque overload protection device.

## 04/ DEEP EMBOSSING DIE CUTTING UNIT



Anti-deformation heat-resisting cast iron honey comb plate; temperature controlled by 12 independent heating zones which can ensure the perfect embossing effect.

## 05/ STRIPPING UNIT



Stripping unit adopts top,middle and bottom three frames design,collaboration curve is stable,precise and strong.Punch stripping and mould stripping can be opted according to your product requirements.Stripping mould adopts central positioning method which can make sure convenient plate changing,precise positioning and stable running.

## 06/ DELIVERY UNIT



Delivery unit adopts hair brush and back sucking system to make tidy paper stack; Electric vice delivery device can achieve non-stop running; pneumatic sampling function. Label mark counting function is optional.

## 07/ GERMANY VACUUM PUMP



Adopt Germany vacuum pump which is stable and durable.

## 08/ HUMAN-COMPUTER INTERFACE



Human engineering visual display interface which can achieve real-time monitoring of the whole machine.

## Features

The HF-1060MF Automatic Die-cutting and Stripping Machine (Heavy Duty) with stripping station is the pivotal equipment which is designed for die cutting, creasing and cold embossing paper products such as paper cassettes, box board containers, paper trademarks, etc.Unique driving gear adopt high-precision indexing mechanism, pneumatic lock up, pneumatic clutch, overload protection, electric compression relief, etc. to ensure a stable and high speed running.

This machine is equipped with practical and reliable mechanisms such as pre-stack device, secondary feeding device, variable speed paper feeding mechanism, automatic secondary delivery mechanism, pneumatic sampling, automatic timing lubricating device, cooling facility for oil, etc., which ensure the excellent performance of the machine. Well-known brand electrical components and driving elements are adopted to ensure die-cutting precision and reliability of running. PLC and electronic cam monitor cooperate to control the whole machine. It is convenient for fault diagnosis. Human-machine interface monitors machine state displaying running instructions, trouble location, trouble shooting to fully actualize human-machine communication. Industry refrigerator for electrical cabinet ensure that electric components work stably in a uniform temperature.

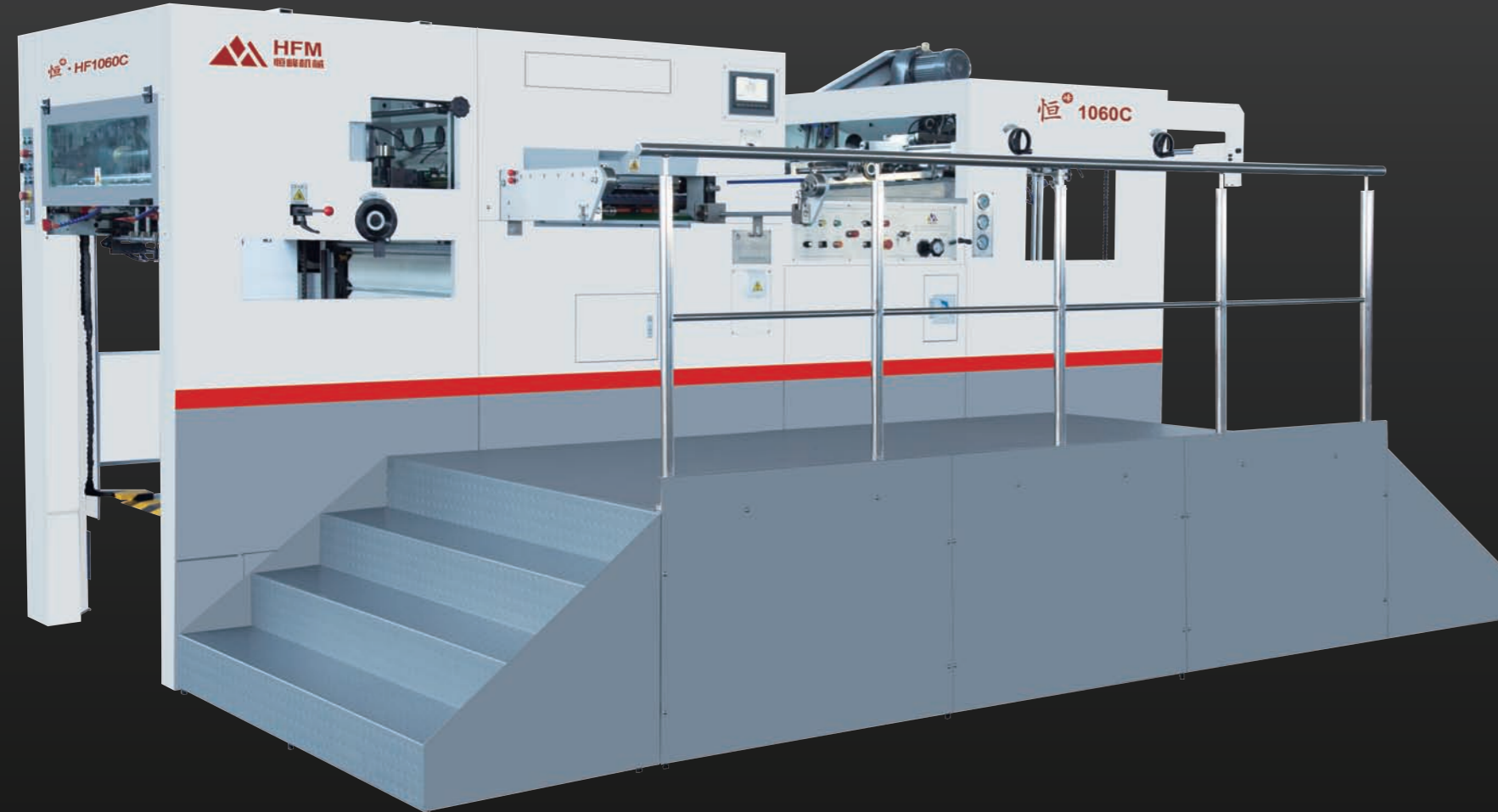
## Technical Parameters

Model		HF-1060MF	HF-1060RF
Cutting Mode&Function		Die cutting and stripping	Heavy duty die cutting and stripping
Max. Sheet Size	mm	1070×790	1070×790
Min. Sheet Size	mm	450×360	450×360
Min. Front Margin	mm	5mm	5mm
Max. Die-cutting Size	mm	1060×780	1060×780
Max. Die-cutting Pressure	T	300	600
Sheet Specifcation	g/m <sup>2</sup>	100 ~ 2000	100 ~ 2000
Corrugated Paper	mm	≤4.5	≤4.5
Max. Die-cutting Speed	sheets/h	7500	7500
Max. Height Feeding Pile	mm	1630	1630mm
Max. Height Delivery Pile	mm	1350	1350
Precision	mm	±0.1	±0.1
Heating Zone	pcs	—	12
Main Motor Power	kW	11	18
Total Power	kW	21	43
Net Weight	T	16.5	19.5
Overall Dimension (L×W×H)	mm	7337×3933×2311	7337×4043×2311



# HF-1060H/C/R/CR

## Automatic Die Cutting and Creasing Machine



### Features

The HF-1060H automatic die-cutting and creasing machine is the pivotal equipment which is designed for die cutting, creasing and cold embossing paper products such as paper cassettes, box board containers, paper trademarks, etc.

Unique driving design is adopted such as high-precision indexing mechanism, pneumatic lock up, pneumatic clutch, overload protection, manual compression relief and etc., all contribute to stable and high-speed running. This machine is equipped with practical and reliable mechanisms such as pre-stack device, secondary delivery mechanism, manual sampling, etc., which ensure the excellent performance.

Well known electrical components and driving elements are adopted to ensure die cutting precision and running reliability. Also, human-machine interface is used to monitor the machine state to display running status, trouble location, trouble shooting and relevant helping information to fully actualize human-machine communication.

### Technical Parameters

Model	HF-1060H	HF-1060C	HF-1060R	HF-1060CR
Cutting Mode & Function	Die cutting	Die cutting	Die cutting and hot embossing	Heavy duty die cutting
Max. Sheet Size	mm 1070×790	1070×790	1070×790	1070×790
Min. Sheet Size	mm 450×360	450×360	450×360	450×360
Max. Die-cutting Size	mm 1060×780	1060×780	1060×780	1060×780
Front Margin Size	mm 5	5	5	5
Film Weight	g/m <sup>2</sup> 100 ~ 2000g/m <sup>2</sup>	瓦楞纸厚度≤4.5mm	100 ~ 2000g/m <sup>2</sup> 厚度2mm以下胶片	100 ~ 2000g/m <sup>2</sup>
Applicable Material	—	—	PVC/PET/PP塑胶专用型	—
Heating Zone	pcs —	—	12	12
Max. Speed	sheets/h 7500	7500	7500	7000
Precision	mm ±0.1	±0.1	±0.1	±0.1
Max. Pressure	T 300	300	350	600
Max. Feeding Pile Height	mm 1630	1630	1380	1630
Max. Delivery Pile Height	mm 1350	1350	1100	1350
Main Motor Power	kW 11	11	11	18.5
Total Power	kW 18	18	36	40
Net Weight	T 14	14	14	17
Overall Dimension (LxWxH)	mm 6310×3933×2311	6310×3933×2311	6310×3933×2311	6310×4043×2311

# HF-1300/1500/1700H

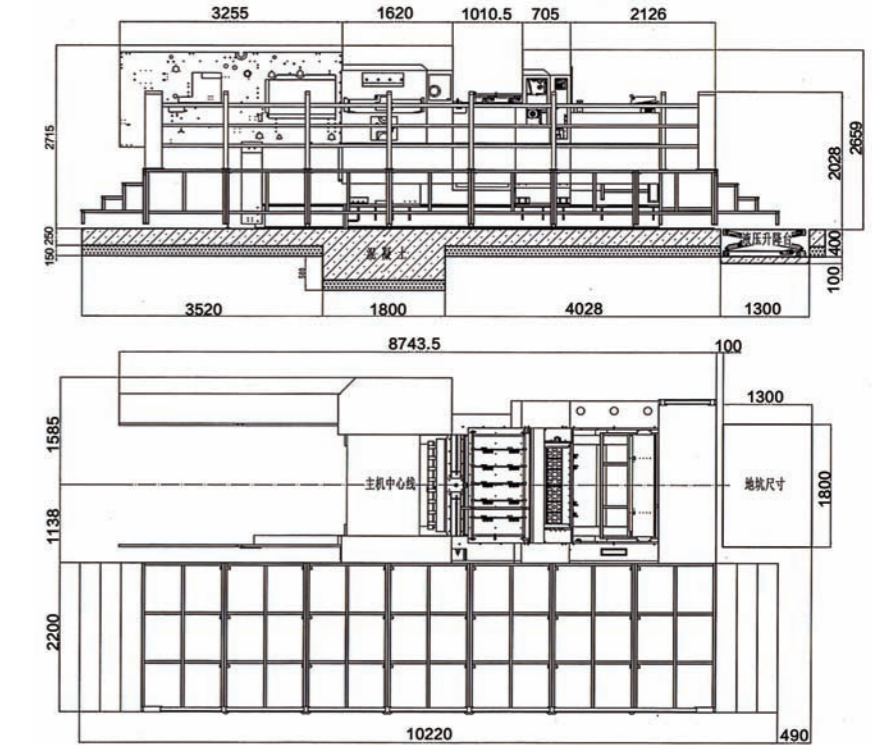
Automatic Die Cutting and Creasing Machine



## Features

Automatic Die-cutting and Creasing Machine is based on the similar products in China and overseas. With mature technology and new developments by our engineer, it is special for high grade color carton box. High tensile gripper bars and advanced feeding facility can handle various papers, caperntee and corrugated paper; front, side and back positioning guarantee the precision of the die cutting; high precision intermittent mechanism; fast action pneumatic clutch and pneumatic locking plate mechanism. PLC and man-machine interface can display the running speed, quantity of paper and total running time. Troubles are displayed which is easy to solve the problems. Transducer controls the motor and change speed without stop. There are many sensors and safety devices to ensure the running of machine and safety of worker. The front and back die cutting pressure can be adjusted separately. Machine driven by hand is easy. No gripper margin function is optional.

## Installation Data



## Technical Parameters

Model	HF-1300H	HF-1500H	HF-1700H
Max. Sheet Size	1320*1030mm	1520*1100mm	1700*1200mm
Min. Sheet Size	500*400mm	500*450mm	500*450mm
Max. die Cutting Size	1310*1010mm	1490*1090mm	1640*1190mm
Max. Pressure	300T	300T	300T
Paper Processed Corrugated Paper (mm)	8(Max.thickness)	8(Max.thickness)	8(Max.thickness)
Max. die Cutting Speed	5000sheets/h	5000sheets/h	5000sheets/h
Max. Delivery Pile Height	1200mm (above the level)	1200mm (above the level)	1200mm (above the level)
Total Weight	20T	22T	24T

# HF-1300/1500/1700MF

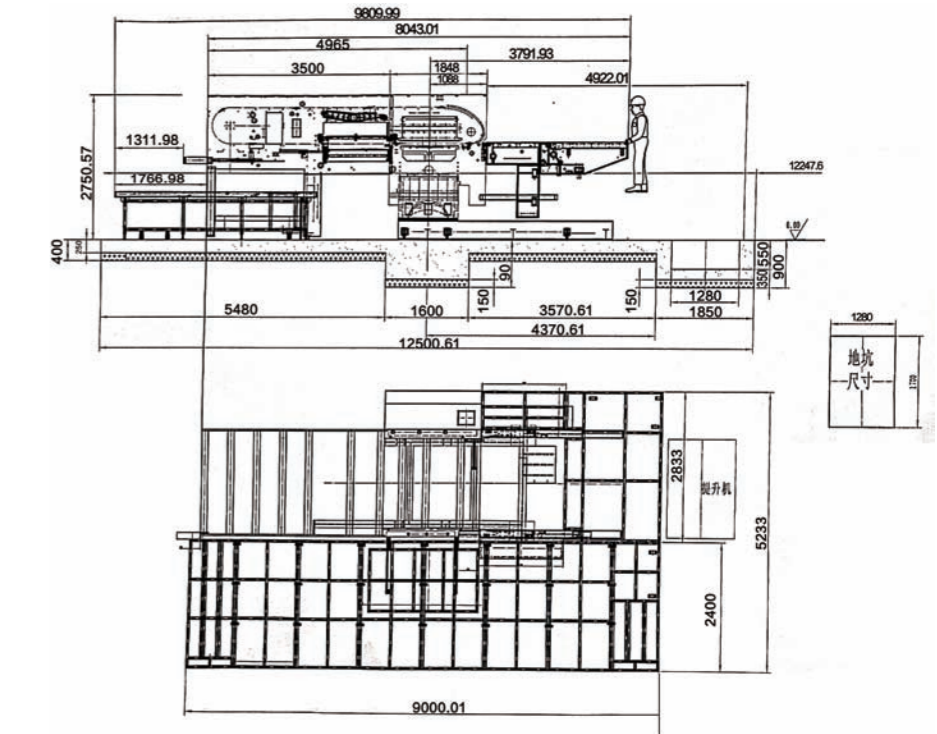
Automatic Die Cutting and Full Stripping Machine



## Features

Automatic Die-Cutting and Full Stripping Machine is based on the similar products in China and overseas. With mature technology and new developments by our engineer, it is special for high grade color carton box. High-intensitive gripper bars and advanced feeding facility can handle various paper, corrugated paper; front, side and back positioning guarantee the precision of the die cutting; high precision intermittent mechanism; fast action pneumatic clutch and pneumatic locking plate mechanism. PLC and man-machine interface can display the running speed, quantity of paper and total running time. Troubles are displayed which is easy to solve the problems. Transducer controls the motor and changes speed without stop. There are many sensors and safety devices to ensure the running of machine and safety of workers. Die cutting pressure can be adjusted easily. No gripper margin function is optional and make the machine with high function-price ratio.

## Installation Data



## Technical Parameters

Model	HF-1300MF	HF-1500MF	HF-1700MF
Max. paper Size	1320*1030mm	1500*1100mm	1700*1200mm
Min. paper Size	500*400mm	500*420mm	500*450mm
Max. die Cutting Size	1310-1010mm	1500*1090mm	1690*1190mm
Max. Pressure	300T	300T	400T
Paper Range	E、B、C、A E、B、C、A and AB Flute Corrugated Board (1-8.5mm Thickness)		
Max. die Cutting Speed	5500sheets/h	5500sheets/h	5000sheets/h
Total Power	28kW	38kW	42kW
Total Weight	25T	30T	32T
Overall Dimension (LxWxH)	11500*4500*2250mm	11700*5500*2250mm	11800*5600*3000mm

## USE HIGH-END



## SERVICE HIGH – END

- Professional service engineers guide lifting, placing, installation and training;
- Every machine has a record and a life-long tracking service;
- Professional maintenance service 1time/year, free of labor cost for life long.

