

## 半切/全切/自动套冲/精确步距/高速/便捷

Kiss Cutting/Through Cutting/Automatic Stamping/Precise Step Pitch/High Speed/Convenient



HXM-2



HXM-4

## 高速精密裁切机技术参数：

| 项 目           | HXM-2                   | HXM-4                             |
|---------------|-------------------------|-----------------------------------|
| 冲 裁 力         | 50 (KN)                 | 120 (KN)                          |
| 冲切行程          | 24 (mm)                 | 28 (mm)                           |
| 冲切速度          | ≤300 (次/分)              | ≤200 (次/分)                        |
| 合模高度          | 105 (mm)                | 115 (mm)                          |
| 深度调节量         | ±5 (mm)                 | ±5 (mm)                           |
| 微调方式          | 全自动电动调节模切深度             | 全自动电动调节模切深度                       |
| 冲压方式          | 点动/单连/工程                | 点动/单连/连续                          |
| 刀模尺寸          | 宽200×长180 (mm)          | 横：宽420×长320 (mm) 竖：宽320×长420 (mm) |
| 模具类型          | 木板塑胶模、铝板铜模、钢模           | 木板塑胶模、铝板铜模、钢模                     |
| 五金模具有效尺寸      | 130×180 (mm)            | 横：350×300 (mm) 竖：400×240 (mm)     |
| 材料宽度          | ≤200 (mm)               | 横：≤420 (mm) 竖：≤320 (mm)           |
| 送料速度          | ≤70 (m/分)               | ≤70 (m/分)                         |
| 送料精度          | ≤0.2% (mm) 伺服控制 (≤49mm) | ≤0.2% (mm) 伺服控制 (≤50mm)           |
| 送料胶棍          | PU/NBR                  | PU/NBR                            |
| 送料驱动          | 伺服电机                    | 伺服电机                              |
| 润 滑           | 全自动润滑系统                 | 全自动润滑系统                           |
| 安全保护          | 三面光幕                    | 三面光幕                              |
| 电 源           | 三相380V 6KW              | 三相380V 11KW                       |
| 机器重量          | 1000 (kg)               | 2300 (kg)                         |
| 气 源           | 0.55-0.65Mpa            | 0.55-0.65Mpa                      |
| 机器外形          | 长1200×宽910×高1250 (mm)   | 长1500×宽1500×高1450 (mm)            |
| 选配项           | HXM-2                   | HXM-4                             |
| 上收废屑盘         | 可选                      | 可选                                |
| 下收集组件         | 可选                      | 可选                                |
| 模具旋转移动组件      | 可选                      | 可选                                |
| 全切输送 (活动) PET | 可选                      | 可选                                |
| 跟标模切装置        | 可选                      | 可选                                |
| 防划伤材料吸附装置     | 可选                      | 可选                                |

## Technical parameter of high precision cutting machine:

| Items                                      | HXM-2                                                      | HXM-4                                                      |
|--------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|
| Cutting Force                              | 50 (KN)                                                    | 120 (KN)                                                   |
| Cutting Route                              | 24 (mm)                                                    | 28 (mm)                                                    |
| Cutting Speed                              | ≤300 (times/min)                                           | ≤200 (times/min)                                           |
| Mold Clamping Height                       | 105 (mm)                                                   | 115 (mm)                                                   |
| Depth Adjustment                           | ±5 (mm)                                                    | ±5 (mm)                                                    |
| Fine Adjustment                            | Full-automatic electrical adjustment for die-cutting depth | Full-automatic electrical adjustment for die-cutting depth |
| Stamping Methods                           | Log/Single/Continuous Project                              | Log/Single/Continuous                                      |
| Size of Cutting Mold                       | Width: 200~180 (mm)                                        | Width: 420~320 (mm) Vertical: 320~420 (mm)                 |
| Mold Type                                  | Wooden Acrylic Mold, Etch Engraving Mold, Steel Mold       | Wooden Acrylic Mold, Etch Engraving Mold, Steel Mold       |
| Effective Size of Hardware Mould           | 130×180 (mm)                                               | Width: 350~300 (mm) Vertical: 400×240 (mm)                 |
| Material Width                             | ≤200 (mm)                                                  | Width: ≤420 (mm) Vertical: ≤320 (mm)                       |
| Material-pulling Speed                     | ≤70 (m/min)                                                | ≤70 (m/min)                                                |
| Material-pulling Precision                 | ≤0.2% (mm) Servo Control (≤49mm)                           | ≤0.2% (mm) Servo Control (≤50mm)                           |
| Material-pulling Rubber Roller             | PU/NBR                                                     | PU/NBR                                                     |
| Material-pulling Drive                     | Servo Motor                                                | Servo Motor                                                |
| Lubrication                                | Full-automatic Lubrication System                          | Full-automatic Lubrication System                          |
| Safety Protection                          | Tri-axial Screen                                           | Tri-axial Screen                                           |
| Power                                      | Three Phase 380V 6KW                                       | Three Phase 380V 11KW                                      |
| Equipment Weight                           | 1000 (kg)                                                  | 2300 (kg)                                                  |
| Air Source                                 | 0.55-0.65Mpa                                               | 0.55-0.65Mpa                                               |
| Equipment Size                             | Length 1200×Width 910×Height 1250 (mm)                     | Length 1500×Width 1500×Height 1450 (mm)                    |
| Selected Items                             | HXM-2                                                      | HXM-4                                                      |
| Upper waste material receiving components  | Optional                                                   | Optional                                                   |
| Lower receiving components                 | Optional                                                   | Optional                                                   |
| Rotary and movable components of mold      | Optional                                                   | Optional                                                   |
| Through cutting conveying PET              | Optional                                                   | Optional                                                   |
| Marker tracking die-cutting components     | Optional                                                   | Optional                                                   |
| Anti-scratch material receiving components | Optional                                                   | Optional                                                   |

## 平刀异步模切生产线概述

Brief introduction of flatbed asynchronous die cutting machine production line

本生产线主要是用平刀异步模切的原理将口子胶等四面背胶产品分拆成X向胶和Y向胶进行模切，然后进行无缝拼接。

This production line is mainly used for dividing the cut gel and such four-side gel products into X direction and Y direction to do die cutting based on flatbed asynchronous die cutting theory, and achieve seamless splicing.

## 本设备适应模切材料：

Double side adhesive tape

|        |                               |
|--------|-------------------------------|
| 基材双面胶  | Foam adhesive tape            |
| 非基材双面胶 | Black and white adhesive tape |
| 海绵胶    | Reflective film,              |
| 黑白胶    | Brightness enhancement film   |
| 反射增光片  |                               |

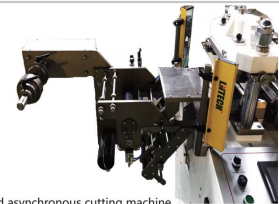
## 常规异步模切使用设备包括：

Applied equipment of normal asynchronous die cutting：

异步裁切机一台 高速套位裁切机二台  
三位站合排废机三台 高精度智能切片机

Asynchronous cutting machine/1 set  
High speed cutting machine/2 sets  
3-stations lamination waste discharge machine/3 sets  
High precision intelligent slicing machine

## 异步装置



## 平刀异步裁切机市场优势

Marketing advantage of flatbed asynchronous cutting machine

相较于传统平刀而言优势在于：

a. 能够节省相当一部分模切主材，在客观上为客户节省成本，据估算能够节省70%以上的材料。

b. 能够快速高效的模切产品，提高生产效率。

c. 相较于刀模切机而言优势在于：

a. 能够节省刀具成本，小批量试机灵活。

b. 模切精度高，有效的提高产品品质。

c. 设备灵活，调机损耗小。

d. 高速小孔套位，生产效率较高。

Advantage compared with traditional flatbed die cutting machine:

a. Rather save die cutting material equal to over 70 percent , save cost for customers

b. Fast die cutting speed to enhance efficiency

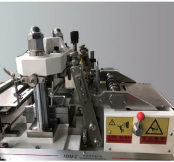
Advantage compared with rotary die cutting machine:

a. Save cost of cutter, flexible equipment text of small amount products.

b. High precision die cutting to promote products quality efficiently.

c. Flexible equipment saves machine-adjustment loss

d. High speed small-hole cutting brings to higher yield



**模具旋转移动：**  
用于模具的旋转和横向移动，方便冲切有位置要求的产品。  
间隙抬锯拖料：用于二次以上自动套位的冲切加工。方便又高速，最高300冲/分。

**Mold Rotate and Move:**  
Used for rotary and lateral movement of mold, convenient for die-cutting products with position needs.  
Intermittent roller raising and material pulling：Used for die-cutting of multi-times automatic stamping, convenient and fast, max 300 punching/min.



**五金模：**  
五金模是保证高精度自动套冲、快速更换模具、半切免调整的有效手段。模具标准化，互换性高，因此使用很受欢迎。  
**Hardware Mold：**  
It is a effective method to guarantee high precision stamping , fast mold changing and adjustment-free kiss cutting. Its popular for the mold standardization and high interchangeability.



**五金模落料孔：**  
落料孔是使用五金模的必要条件，一些难以排废的产品，可以通过全切，并在下面的落料孔通道内排废。  
**Hardware Mold Blanking Hole：**  
Blanking hole is the requirements of using hardware mold, for the products with waste discharge difficulties, discharge waste from the blanking hole below after cutting through.



**排废装置：**  
实现与冲切同步的排废工作，两组同步拖料辊能保证材料排废时的张力，利于废料的顺利排出。  
**Waste Discharge Device：**  
The waste discharge will keep pace with die-cutting, the two sets of synchronous material-pulling rollers will guarantee the tension during waste discharge, and make it easier for waste discharge.

## 功能特点：

模切加工的专业设备，高精度、性能可靠、耐用、安全。轻松实现多次自动套冲，最高套冲精度达到±0.03mm。

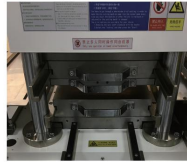
实现半切免调整。

最高冲切速度达300spm (HXM-2) /200spm (HXM-4)。

五金模具及安装均标准化，拆装、调整快速。

黑白胶等背光模组产品加工的高效、高品质专业流水线。

产能高-达10000片/小时。



**模具：**  
松开上部的4个吊紧螺丝，即可抽出木刀板，腐蚀刀用22厚的铝板插入。上下板的平行度精度可以实现半切免调整。

**Mold：**  
Loosen the four upper screws and withdraw the wooden board with cutter , insert the cutter with 22 mm subplate. The parallelism precision of the upper and below boards can help to realize the adjustment-free kiss cutting.



**上料机构：**  
上料装置定位材料、提供张力及保证走料直线。

**Feeding Components：**  
The feeding components can help to locate the material, provide tension and guarantee the materials go straight.



**拉料机构：**  
高精度的伺服拖料机构，拖料精度≤0.2% (拖料≤50mm)。实现与冲切同步的排废工作，两组同步拖料辊能保证材料排废时的张力，利于废料的顺利排出。  
间隙抬锯拖料：用于二次以上自动套位的冲切加工，方便、高速、高精度，最高速度200冲/分，可打开式上锯方便送料。

**Material-Pulling Components：**  
High precision servo material-pulling components , material pulling precision ≤0.2% (material pulling≤50mm) . Guarantee the waste discharge keep pace with die-cutting, the two sets of synchronous material-pulling rollers will guarantee the tension during waste discharge, and make it easier for waste discharge.



**排废：**  
选配随机同步排废装置，可以实现简单的废料自动排出，收废正反转、速度可调，张力可调。使用同步装置便于废料的同步排废，同时进行成品收卷，收卷正反转可调，张力可调。  
**Waste Discharge：**  
Select the synchronous waste discharge components, and it can help to realize simple automatic waste discharge, the direction of rotation, speed and tension are all adjustable. Using synchronizer to realize synchronous waste discharge, at the same time receive the finished products, the direction of rotation and tension can be adjusted.

## Functional Characteristics：

Professional equipment in die-cutting fields, high precision, dependable performance, durable and safe.

Make it easy for repeatedly stamping , with highest stamping precision reach to ±0.03mm.

Adjustment-free kiss cutting.

Highest stamping speed reach to 300spm (HXM-2) /200spm (HXM-4) .

Standardization for hardware mold and installation, fast installation and adjustment.

Efficient, high quality and professional assembly line for black and white glue and so on black light unit products manufacture.

The yield can reach to 10000 sheets/hour

## 智能切片机：HXQ-2

Automatic Slicing Machine: HXQ-2



## 跟标/高速/便捷

胶带加工业的专业设备，高精度、性能可靠、耐用、安全。  
轻松实现自动跟标切片。  
自动计数，自动移堆。  
最高切片速度达180次/分钟。

## Marker tracking /High speed/Convenient

Professional equipment in adhesive tape processing industry, high precision, dependable performance, durable and safe.  
Make it easier to realize automatic marker tracking slicing.  
Count and pile up automatically.  
The highest speed of slicing can reach to 180/min

## 跟标和定长切片：

定长切片时只需设定长度即可，精度为设定长度的0.4%。跟标切片用于已排废产品的切片，可以把任意多个产品切为一张，自动跟踪产品或可识别的标识，保证切在产品的间距内，整齐快速。

## Marker tracking and fixed length slicing：

setting the length when doing fixed length slicing, the precision is 0.4% of the setting length. Marker tracking slicing used for waste discharged products. It can cut several kinds of products into one sheet, automatically track the products or recognizable markers to make sure cutting within the required distance, fast and in order.

## 技术参数：

| 项目     | HXQ-2             |
|--------|-------------------|
| 切片速率   | 180片/分钟           |
| 进料宽度   | 200mm             |
| 定长切片精度 | 设定长度的0.4%mm       |
| 整机功率   | 900W              |
| 电源电压   | 220V              |
| 机器重量   | 280kg             |
| 外形尺寸   | L660×W400×H1300mm |

## Technical Parameter

| Item                           | HXQ-2                  |
|--------------------------------|------------------------|
| Slicing Speed                  | 180sheets/min          |
| Feeding Width                  | 200mm                  |
| Fixed Length Slicing Precision | 0.4%mm of Fixed Length |
| Total Power                    | 900W                   |
| Power Voltage                  | 220V                   |
| Equipment Weight               | 280kg                  |
| Equipment Size                 | L660×W400×H1300mm      |

## 智能切片机：HXQ-4

Automatic Slicing Machine: HXQ-4



## 跟标/高速/便捷

胶带加工业的专业设备，高精度、性能可靠、耐用、安全。  
轻松实现自动跟标切片。  
自动计数，自动移堆。  
最高切片速度达110次/分钟。

## Marker Tracking/High Speed /Convenience

Professional equipment in adhesive tape processing industry, high precision, dependable performance make it easier to realize automatic marker tracking slicing.  
Count and pile up automatically.  
The highest speed of slicing can reach to 110/min

## 跟标和定长切片：

定长切片时只需设定长度即可，精度为设定长度的0.2%。跟标切片用于已排废产品的切片，可以把任意多个产品切为一张，自动跟踪产品或可识别的标识，保证切在产品的间距内，整齐快速。

## Marker tracking and fixed length slicing：

setting the length when doing fixed length slicing, the precision is 0.2% of the setting length. Marker tracking slicing used for waste discharged products. It can cut several kinds of products into one sheet, automatically track the products or recognizable markers to make sure cutting within the required distance, quick and in order.

## 技术参数：

| 项目     | HXQ-4              |
|--------|--------------------|
| 切片速率   | 110片/分钟            |
| 进料宽度   | 420mm              |
| 定长切片精度 | 设定长度的0.2%mm        |
| 整机功率   | 1.5KW              |
| 电源电压   | 220V               |
| 机器重量   | 350kg              |
| 外形尺寸   | L1350×W650×H1500mm |

## Technical Parameter

| Item                           | HXQ-4                  |
|--------------------------------|------------------------|
| Slicing Speed                  | 110sheets/min          |
| Feeding Width                  | 420mm                  |
| Fixed Length Slicing Precision | 0.2%mm of Fixed Length |
| Total Power                    | 1.5Kw                  |
| Power Voltage                  | 220V                   |
| Equipment Weight               | 350kg                  |
| Equipment Size                 | L1350×W650×H1500mm     |

## 功能强大的专业贴合排废机

Professional Laminating Waste Discharge Machine



HXF3-343

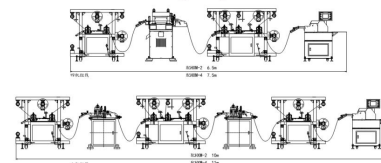
HXF3-232

## 贴合排废机技术参数

| 项目   | HXF3-232              | HXF3-343              |
|------|-----------------------|-----------------------|
| 贴合组件 | 2套                    | 3套                    |
| 放卷轴  | 3套                    | 4套                    |
| 收卷轴  | 2套                    | 3套                    |
| 贴合宽度 | ≤300mm                | ≤300mm                |
| 贴合速度 | 0-30M/分钟频率转换无级调速      | 0-30M/分钟频率转换无级调速      |
| 定位精度 | ≤±0.1mm               | ≤±0.1mm               |
| 料卷直径 | ≤350mm                | ≤350mm                |
| 张力   | 各轴独立的电子式张力控制          | 各轴独立的电子式张力控制          |
| 工作模式 | 自动/手动/断料报警            | 自动/手动/断料报警            |
| 机器重量 | 200kg                 | 300kg                 |
| 电源   | 单相220V/700W           | 单相220V/900W           |
| 机器外形 | L1610×W920×H1430 (mm) | L1860×W920×H1430 (mm) |

## Technical Parameter

| Item                 | HXF3-232                                                 | HXF3-343                                                 |
|----------------------|----------------------------------------------------------|----------------------------------------------------------|
| Laminating Component | 2 sets                                                   | 3sets                                                    |
| Feeding Shaft        | 3sets                                                    | 4sets                                                    |
| Receiving Shaft      | 2sets                                                    | 3sets                                                    |
| Laminating Width     | ≤300mm                                                   | ≤300mm                                                   |
| Laminating Speed     | 0-30M/min frequency conversion stepless speed adjustment | 0-30M/min frequency conversion stepless speed adjustment |
| Positional Accuracy  | ≤±0.1mm                                                  | ≤±0.1mm                                                  |
| Diameter of Material | ≤350mm                                                   | ≤350mm                                                   |
| Tension              | Separated electrical tension control of rollers          | Separated electrical tension control of rollers          |
| Operating Mode       | Automatic/manually-operated/material locking alarm       | Automatic/manually-operated/material locking alarm       |
| Equipment Weight     | 200kg                                                    | 300kg                                                    |
| Power                | Single phase 220V/700W                                   | Single phase 220V/900W                                   |

组线示意图：  
Wiring Diagram：自动收放料机  
HXSF-4

Automatic Feeding &amp; Receiving Machine



## 功能特点：

本机用于胶带加工业的辅助设备，操作简单、性能可靠、耐用、安全。  
轻松实现自动放料或收料。  
具有电机保护装置。

## Functional Characteristics：

Auxiliary Equipment for adhesive tape processing industry, easy to operate, dependable performance, durable and safe.  
Make it easier to feed and receive automatically.  
It has motor protection components.

本机专门用于多条、多层胶带、薄膜、离型纸等材料的贴合及排废。机器配置灵活，随时可以增加调整功能，以最大限度的满足加工需要。  
各部位均实现独立调速、张力等控制、操作方便。

It is used for the laminating and waste discharge of multi-strip, multi-layer adhesive tape, thin film, release paper and so on materials. It is smart, the adjustment function can be added at any time to satisfy the processing needs.

All parts are controlled separately in speed adjustment, tension and so on functions, which makes the operation more convenient.

## 上料装置：

上料装置定位材料、提供张力及保证走料直线。

## Feeding Component：

The feeding component can locate material, provide tension and guarantee the materials go straight.

## 收放卷轴：

收卷轴、放卷轴的轴向移动通过各料轴前后面的微调螺母即可方便进行料的轴向位置移动。

## Feeding and Receiving Shafts：

The movement direction of Feeding and Receiving Shafts can be adjusted by the fine adjustment screw on the two ends of the rollers.

## 贴合组件：

多组贴合组件可以进行多条、多层材料的贴合、排废工作。贴合辊压力调整方便，上下辊间距可调，通过端面微调螺栓可轻松实现贴合定位圈的轴向移动。

## Laminating Component：

Multi-group of laminating rollers can realize the lamination and waste discharge of multi-strip, multi-layer materials. The laminating roller is easy to adjust the press-ure, and the distance between upper and lower roller can be adjusted, easily realize the axial movement of laminating locating ring through the fine adjustment screw.

## 排废组件：

排废平台、排废刀、多个过辊组合一起，功能灵活强大，调整方便，基本实现大部分产品的自动排废工作。

## Waste Discharge Component：

Waste discharge platform, waste discharge cutter, the combination of several waste discharge rollers can make the function more powerful, adjustment more convenience, and realize the automatic waste discharge of most products.

## 自动收放料机技术参数：

| 项目     | HXSF-4            |
|--------|-------------------|
| 最大装料宽度 | 420mm             |
| 总功率    | 0.12kw            |
| 机器重量   | 50kg              |
| 机器外形   | L920×W440×H950 mm |

## Technical Parameter：

| Item              | HXSF-4            |
|-------------------|-------------------|
| Max Feeding Width | 420mm             |
| Total Power       | 0.12kw            |
| Equipment Weight  | 50kg              |
| Equipment Size    | L920×W440×H950 mm |