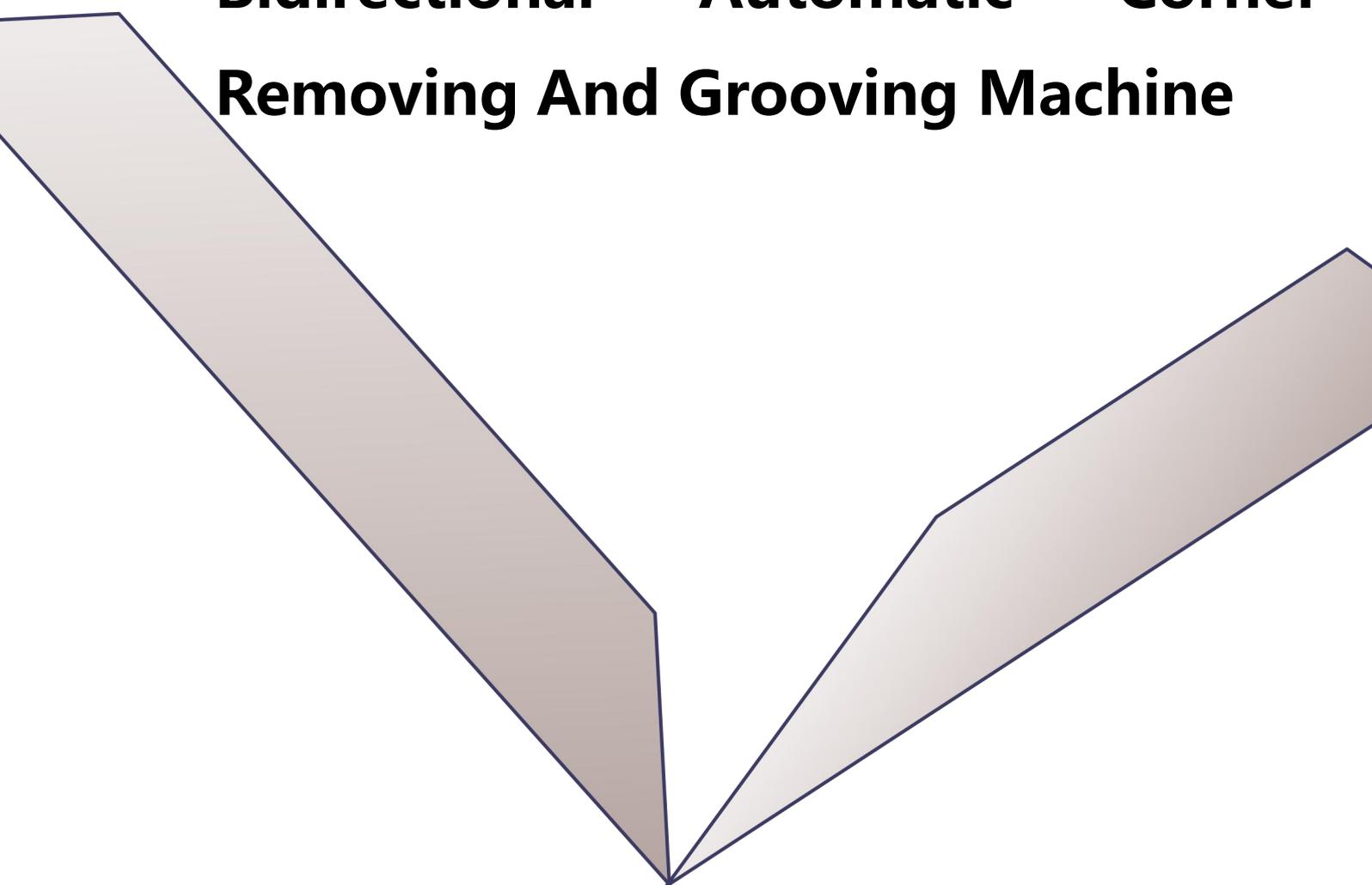


THE LEADER OF GROOVING &  
SLITTING MACHINERY

# SLG-600

**Bidirectional Automatic Corner  
Removing And Grooving Machine**



ZHEJIANG SAILI MACHINERY CO.,LTD

ZHEJIANG SAILI MACHINERY CO.,LTD is the leader of grooving machine, cardboard slitting machine, related package machine and filed for box making.

Our company is located in Wenzhou City, covering an area of 6,280 square meters, with a building area of 2,800 square meters. With 50-million-worth fixed assets, we employ over 210 personnel, including 50-60 professional technical talents and 3 senior engineers. Through over 20 years of rapid development, our company has adopted a streamline modern management operation system covering R&D, manufacturing and distribution network. We supply technical support, installation guidance, and other services. Our products enjoy a high quality reputation and have been warmly received by our customers.



# SLG-600

**Automatic corner cutter and cross  
grooving machine with automatic  
collector system**



## **Description of machine:**

**SLG-600 is designed for bidirectional corner cutting and grooving the cardboard.**

*Advantage:*

- 1. It is newly model on basic of KLJ-600 automatic cross grooving machine*
- 2. It can **remove the 4 corner of cardboard in one time***
- 3. It corner cutter and grooving machine, which only need **one time to get the last production***
- 4. **2 side corner cutter and 2 side grooving in one time***
- 5. To Improve the product quality, improve the production capacity, saves labor.*

## **More information:**

- 1. Feeding and correcting part, use the belt feeding board and use press wheel together with belt to keep the board straight.*
- 2. First time grooving and chip removal. Use the belt bind the board on the surface of roller to keep precision, and remove chip each time.*
- 3. Board turn around system. Our company was awarded the invention patent: 90 degree turn around system.*
- 4. Second time grooving and correcting part. Use press wheel together with belt to keep the board straight again, to guarantee final products of pass stability.*

5.Second grooving part:Use belt pressing principle to ensure the grooving straightly. High stability, high precision, high speed.

6.Automatically collecting final product.

7.Convenient adjust belts and cutting knives size.

## **Technical Parameters:**

<i>Model</i>	SLG-600
<i>Material max size:</i>	150*150-500*500mm(L*W)
<i>Grooving Line Accuracy:</i>	$\pm 0.1\text{mm}$
<i>Thickness:</i>	1.5mm---3.0mm
<i>Speed:</i>	150pcs/min(200*200mm)
<i>Groove degree:</i>	90°-130° adjustable
<i>Secant Overhead Length:</i>	$\leq 5\text{mm}$
<i>Secant Head:</i>	Controlled by PLC
<i>Secant Length Range:</i>	15-120mm
<i>Power:</i>	8.0kw
<i>Grooving lines:</i>	4 lines(1st Step); 4 lines(2nd Step)
<i>Knife holder standard :</i>	total 9 sets knife holder(5set of 90° +4 set of 120°)
<i>Machine size:</i>	6100*2870*1559mm
<i>Weight:</i>	3000KGS

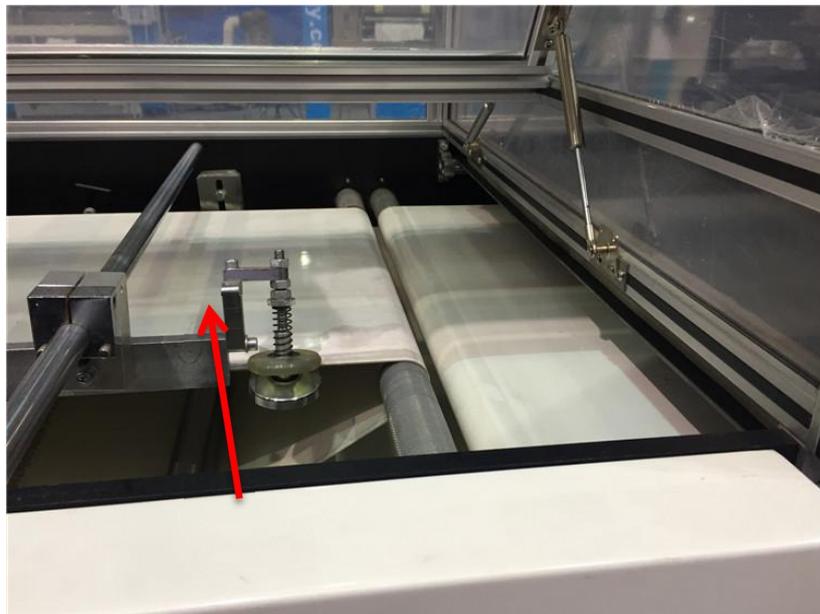
Voltage:

380V/3 phase/50HZ

## Feeding belt system

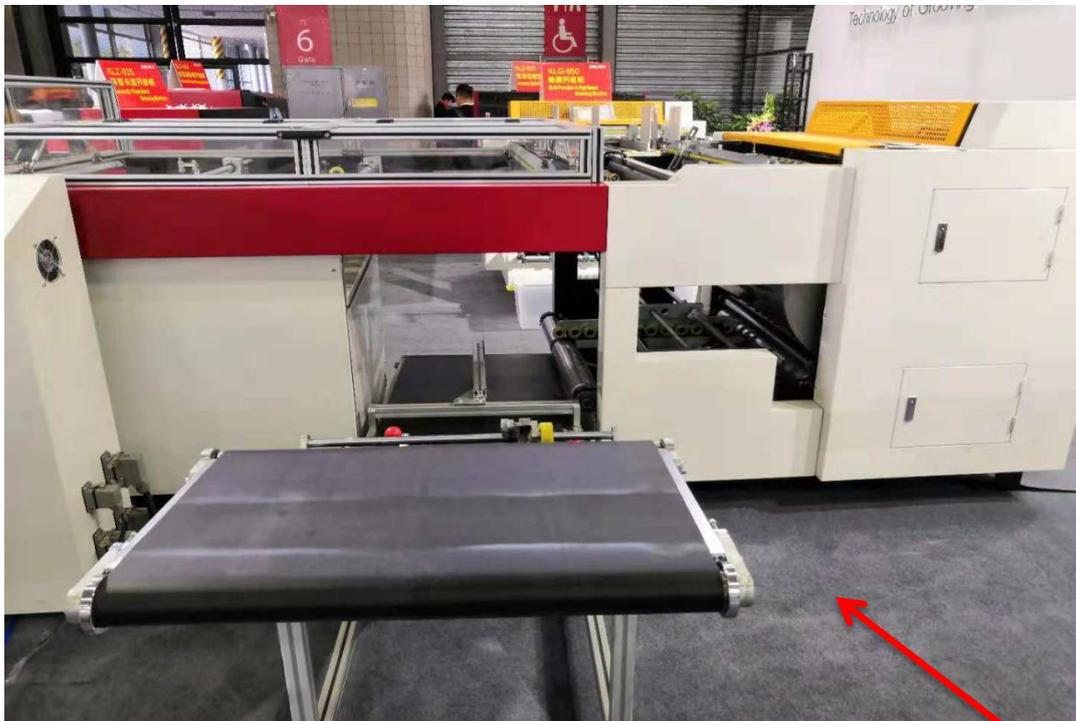


To put the pile of material on the feeding section, and the belts with the aligning system will automatically send the cardboard into grooving area. The final product will be conveyed out to the collecting table.



90 Automatic change the board direction for the 2<sup>nd</sup> step corner cutting and 2<sup>nd</sup> step grooving.

Final cardboard after cutting and grooving is coming here:



Automatic collector belt for the final production:

## Machine Standard configuration list:

Roller material:	Shanghai BAOSTEEL
Frequency changer:	Hope brand (If customer need change the brand, we also can use Schneider brand or another brand)
Low-voltage apparatus:	Eaton Muller brand
Machine main motor:	CHENGBANG,TAIWAN BRAND
Belt:	XIBEK,CHINA
Knife:	Special Tungsten alloy steel
Collector belt motor	ZHONGDA brand,China

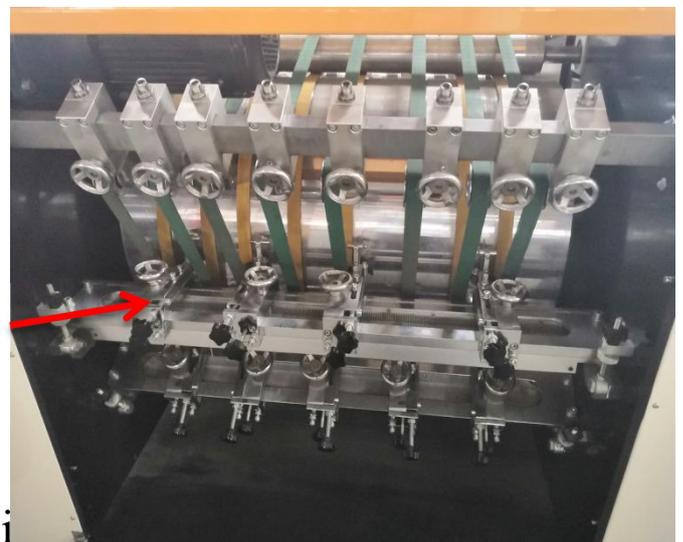


## Drum structure type

SaiLi is the first designer of Drum structure type in grooving making area in China.

Install 9 sets knife holders:

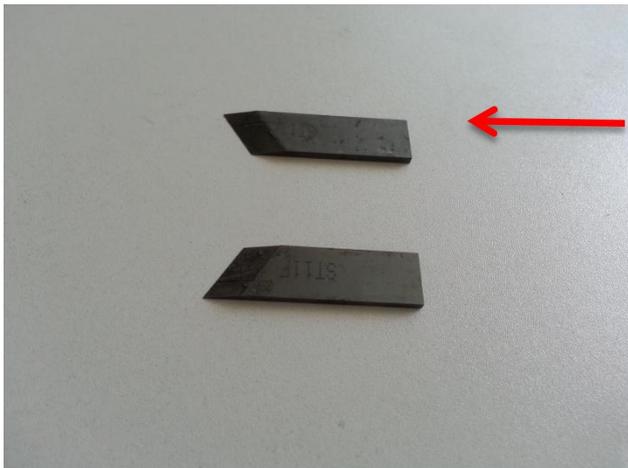
- 1) 5sets of 90° knife holder
- 2) 4set of 120° knife holder.



Grinder of knife  
together with machine



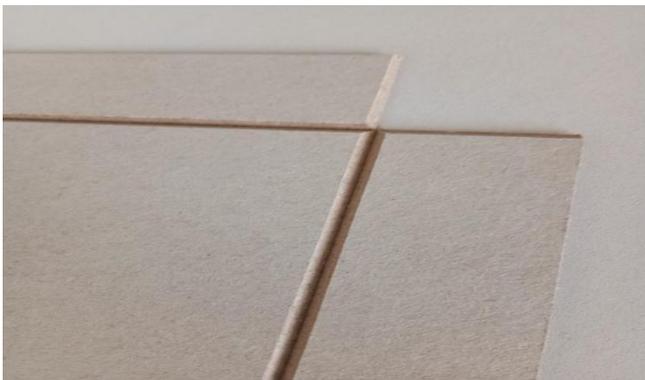
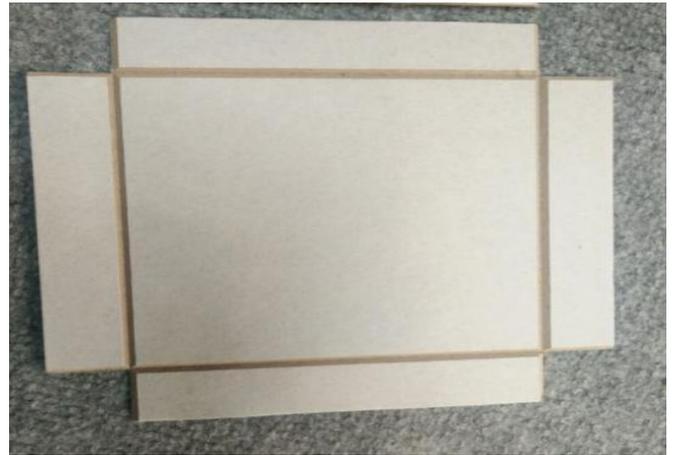
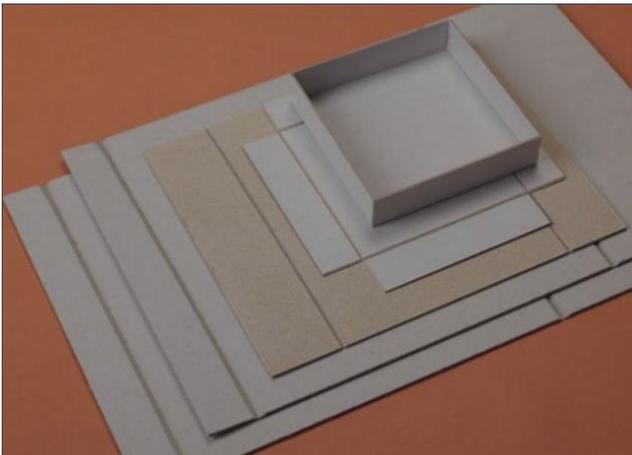
## Grooving blade

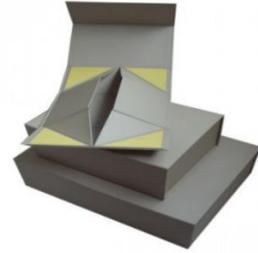


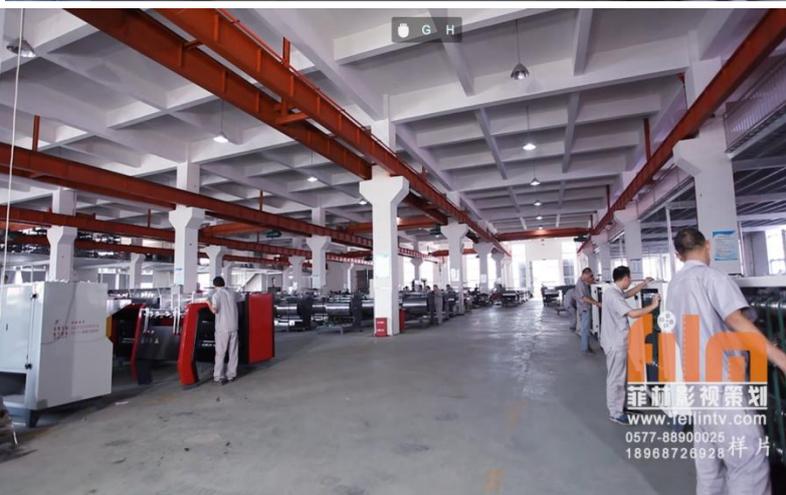
Blade Life: usually the blade can working 10000-20000pcs after 1 time sharping. And 1pc blade can been sharpened about 25-30 times under good using.

**Standard Machine parts together with machine for user:**

Name	Qty
Grinder of knife	1ea
Tool box <i>((including 1set Allen wrench, straight screwdriver of 4 inch, open spanner, adjustable wrench, grater))</i>	1pc
Grooving blade	20pcs

**Sample of V shape on board material:**





## Remarks:

## Workshop:

**Delivery time:** within 7-15 days after receiving the deposit

**Payment terms:** 30% TT in advance, 70% payment before delivery

**Installation:** If the buyer need our factory to sent engineer go to install, the buyer will cover all expense of engineers visiting including round-trip tickets, local transportation, meals and loading expenses.

