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KS-1700B Servo Control High Speed Paper Sheeter Machine

MODEL: KS-1700B (standard configuration)

1. Model of cutting paper: the up knife rotary cut and the down knife is fixed;
2. Thickness of cutting paper: 60-550GSM;
3. Max. unwinding diameter: 1800mm (71")
4. Max. paper-cutting width: 1700mm (76")
5. Cutting length range: 450-1450mm
6. The format of slitting: 2 sheets
7. Cutting precision: cutting length is $< 1000\text{mm}$: $\pm 0.5\text{mm}$;
cutting length is $> 1000\text{mm}$: $\pm 0.1\%$;
8. Max. cutting meter speed: 350m/min;
9. Max. cutting speed: 350cuts/min;
10. The request for air compressor: 0.8Mpa;
11. Power consumption: 380V/220V,60Hz/50Hz;
12. The accuracy of the cutting length: It is based on the density, number of volumes;
material of the roll paper, also base on the stabilized
operation and the right processing when cutting off,
the cutting length is $< 1000\text{mm}$, the accuracy is : $\pm 0.5\text{mm}$;
the cutting length is $> 1000\text{mm}$, the accuracy is: $\pm 0.1\%$
when speed up or down.(cutting paper is one roll,
the cutting length of the paper is the right length).
13. Production capacity: the actual output is based on the material, weight, cutting length, number
of rolls paper, the operator technology, the operating conditions of the paper.

Intelligent high-speed rotary cut precision sheeter machine

| 1-the standard configurations: | Quantity |
|---|----------|
| 1) High precision paper cutter (single knife) | 1SET |
| 2) Prismatic adjustment system for paper | 1 SET |
| 3) Equipment of electrostatic elimination | 1 SET |
| 4) Middle slitting and waste collecting system | 1 SET |
| 5) Automatic counting and label inserting device | 1 SET |
| 6) Paper transporting equipment | 1 SET |
| 7) Automatic paper trimming and collecting | 1SET |
| 8) Electrical controlling system (Operation system: touch screen computer interface) | 1SET |
| 9) Driving motor system (Main drive system: AC SERVO motor) | 1SET |

- | | |
|---|-------|
| 10) Accessory by machine | 1SET |
| 11) Double arm oil pressure shaftless paper rack (include the railway trolley x2sets) | 1 SET |
| 12) Automatic directing and paper tension controller | 1 SET |

The specification details of the standards:

1-1) high precision sheet cutter (single knife)

1) The upper knife roller: apply the way of the cutting blade of UK. It can decrease the noise and the loading effectively when cutting the paper, extent the service life of the cutting blade.

The material of the top knife roll : we adopt to weld the precision steel and accurate process, then to adjust the balance, make it to decrease the noise and the shake effectively when the machine running.

2) The down tool post: adopt the casting, then precision machining, stable performance.

3) Main roller: the design of the expansion texture for the roller, and adopt the cylinder to control the roller, then clip board under pressure.

4) reciprocally knife: use the special high-alloy steel plate and then precision machining, specialty long life, easy tuning.

5) safety cover: the machine will auto stop when open the safety cover, Safe and secure.

1-2). Prismatic adjustment system for paper

1) the form: adopt the way of the tool post fixation from UK, save time and energy to improve work efficiency.

1-3) Equipment of electrostatic elimination:

1) The form: plasma rod, to eliminate the static electricity for the paper;

2) main unit: highly efficient electrostatic;

3) the rod of electrostatic elimination: effective discharge area: 1400mm;

1-4) Middle slitting and waste collection system:

1) form: adjustable slitting knife and duct windmill for the both edges of waste paper

2) the upper knife: adjustable lifting, switching knife;

3) the down knife: the spindle is fixed, adjust the formal of cutting paper by manual;

4) windmill: motor drive –1.5KW

5) Y- type --collection tube for the waste paper edges and stationary frame;

1-5) Automatic counting and label inserting equipment:

1) form: precise counting; horizontal insert;

2) function:

*input the label number into the computer; it can insert the label according the setting value;

* supply sheet for the defected;

1-6) paper delivery unit:

1) form: the differential delivery for the level of the multi-stage;

In order to show the effect the separate counting and stack ;

2) the 1st transport section : rapid separation for the cutting paper;

- 3) the 2nd transport section: single and continuous control, adjust to delivery the paper by tile overlapping .
- 4) the delivery unit: adopt the refined paper separator; it can be adjust by coordination with the web

1-7) Automatic paper trimming and collecting machine:

- 1) form: hydraulic-lift paper stacking ; the lifting can down automatically when it stack to certain height ;
- 2) Max. paper pilling height is: 1300mm (51");
- 3) the size of the collecting paper: W: 1400MM (55"); L=1450MM (57")
- 4) trimming unit: electric trimming (the front) ;
Pneumatic trimming (both side) ;
Adjustable tail-board;

1-8) the electric system (SCHNEIDER):

- 1) easy to operate;
- 2) the cutting length, quantity and the total finished can input directly.
- 3) it can show the cutting length and the cutting quantity

1-9) drive motor system:

| | Quantity |
|--|----------|
| 1) Reciprocally knife AC servo drive | 1 SET |
| 2) transporting AC motor | 1 SET |
| 3) the 2 nd conveyor belt with inverter motor | 1 SET |
| 4) lifting stacking unit --- AC motor | 1SET |
| 5) the front collecting unit –AC MOTOR | 1 SET |
| 6) collecting paper edges by windmill–AC motor | 1 SET |
| 7) paper rack—AC motor | 1SET |

1-10) Accessory by machine:

- | | |
|--|----------|
| 1) special high-alloy steel transverse knife | 1 set |
| 2) label paper | 10 rolls |
| 3) tool box | 1 unit |

1-11) double arm oil pressure shaftless paper rack

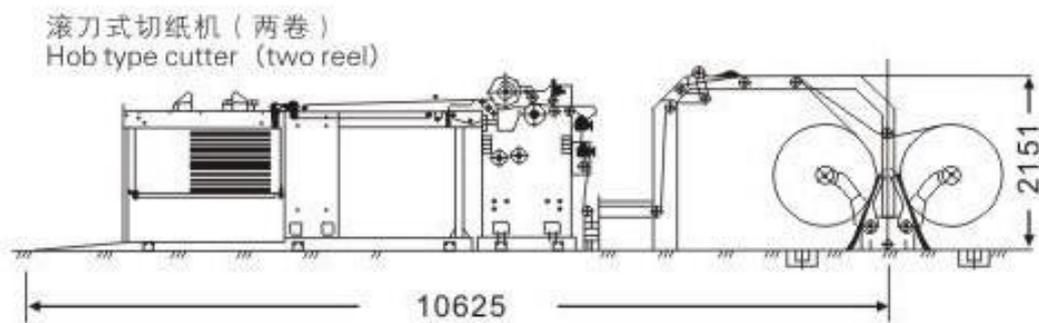
- 1) MAX. diameter of the paper rack: 1800mm(71")
- 2) Max. width of the paper rack: 1400mm(51")
- 3) Min. width of the paper rack: 500mm (20")
- 4) the diameter of the paper tube: it suitable for the 3", 6", 12" (the fixed cone)
- 5) oil hydraulic drive
- 6) it adopt the oil hydraulic drive to make the paper clip arms to open and close , move to front and back.
- 7) it adopt the oil hydraulic drive to lift the paper clip arms.
- 8) air brake clutch (air pressure)
- 9) leaded roll and the related

1-12) Automatic directing and paper tension controller:

- 1) automatic directing: air /oil hydraulic , adopt the accurate sensing valve to control, and then drive by oil hydraulic
- 2) paper tension controller: pneumatic paper tension controller, adjust the brake according the air pressure

arms lifting by riding roller

KS-1700B Servo Precision high speed sheeting machine



This series sheeting machine adopts the advanced technology of Germany and UK, the machine computer control system applies KEB Servo motor from Germany and AC transducer from Japan which are both international of Top brand. The conveyer belt applies NITTA from Japan. The pneumatic vibrator applies FINDEVA from Switzerland. the electrical system adopts SCHNEIDER & OMRON, It leads to the speed of cutting paper fast and stable. Germany made precise bearing and cutting knife assure the high cutting precision. The controller of touch screen computer is simple and convenient by operation. The anti-curve rack assures the paper flat and smooth. This

machine is the paper converting machine which is very popular in the paper making and printing industry.

Main Technical Parameter:

| | | | |
|----------------------------|---|--------------------------------|------------------|
| Model | KS-1700B | Model | KS-1700B |
| Model of cutting paper | The up knife rotary cutting and the down knife is fixed | Max. cutting meter speed | 350m/min |
| Thickness of cutting paper | 60-550g | Cutting length range | 450~1450mm |
| Cutting precision | The cutting length 1000mm:±0.5mm | Paper piling height | 1300mm |
| Max. cutting speed | 350cuts/min | Max. unwinding diameter | 1800mm(71") Max. |
| Gross weight | 15,000kgs | Max. width | 1700mm |
| Power consumption | 380v/220v * 50Hz | The format of slitting | 2 sheet |
| | | The request for air compressor | 0.8Mpa |

1) Rotary cutting



For cut, the down knife is fixed.

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Slitting knife is used for cutting.



* The materials maybe changed due to upgrade the paper sheeter machines continuously, so please contact our sales to get the latest information. Thank you!

Kingsun Machinery Team.