

Description

HTHS-1300A is slitting machine designed for plastic film, printing package, plastic bag making, papermaking and etc. This machine gathered with machine, electricity, light and gas together. Well connected design, refined processing, neat furnishment, strong points: high speed slitting, regular film slitting, stable running, easy to operate etc. It is a quite ideal slitting machine. This machine is made up of unwind parts, tension roller, main feed roll, slitting knives, rewinding unit, pneumatic system, and electric control system.

Japan Panasonic PLC central control the whole motor control system. According to the craft standard of slitting, touch screen sets the slitting parameters, LCD screen displaying and monitoring the work status. The control system has functions of startup cushion, stop loose and length setting, etc. It is quite easy to operate.

Tension control of unwinding unit adapts Panasonic PLC control system to keep a permanent tension force and. EPC rectifying uses EPC system of Xinqiao, Guangdong, which can auto edge and line tracking to ensure the raw material work in order.

Loading and unloading of Raw material use lifted shaft less structure.

Main feed and rewind unit separately driven by high quality vector inverter. Magnetic powder clutch installed on the rewind unit, tension is auto controlled by PLC according to set parameters and variation of rewind diameter.

Rewind roll is slippery friction air expanding shaft, auto controlled to suit films of different thickness.

Pneumatic roller installed on rewind unit, pressure is adjustable.

This machine is flat slitting , which can be used to slit different materials.

Main electricity parts adopt import famous brands, stable performance.

Unwind parts

Shaft less, motor control screw to fit material width.

Paper roll is clamped by gas cap, gas cap chuck is 3" and 6",

loading

and unloading material very convenient.

EPC rectifying system chooses fully auto photoelectrical tracking rectifying modality, which could auto edge and line track.

- Parts of tension roll
 - Made up of tension roll, imported tension sensor and tension control equipment
 - According to set tension and tension tested by sensor to keep stable unwind tension.
 - Parts of main feed roll
- Independently driven by motor and accurate vector inverter.
- Parts of slitting knives
- Flat slitting type, scale gauge installed on the cutter pole.
- Parts of rewinding unit
- Independently driven by motor and accurate vector inverter.

Two expanding shafts on the machine, can be independently used of top or bottom rewind shaft, also can be used together. Pneumatic pressing roll installed on rewind unit, pressure is adjustable.

3" and 6" frictional slip air expanding rewind shaft. Pressure of air compressor automatically adjusted by PLC, solves the tension problems and rewinding problems caused by the different web material thickness

3" and 6" slippery friction shaft easy to change.

- Electric control system

Made up of the sections of unwinding unit, feeding unit, rewinding unit, controlling and displaying.

Section of unwinding unit is composed with PLC control device, tension sensor, vector motor and auto EPC rectifying system.

On feeding section, inverter control main motor, and drive main feed roller.

The control section is made up of programmable controller PLC, DA module and encoder to complete test and control functions. Control rewind tension based on roll diameter and set tension parameter.

On the displaying section, slitting parameters can be conveniently set on LCD touch screen and display work status.

The control system has self-test function, which can display the failure reasons when in the trouble to solve the problem in time.

- Unloading device

Rewind shaft can horizontal move out when unloading the material, slit material down to floor.

Specifications

applicable slitting material	BOPP, CPP, PET, PE, Paper sheet, Compound film, plating aluminum film etc
material thickness	0.012~0.15mm
slitting speed	400m/min
unwind diameter	3"6"/Φ800mm
unwind width	1300mm
slitting width	50~1300mm
rewind diameter	3" /Φ500mm
tension control style	taper tension
EPC rectifying style	photoelectrical tracking/ edge of line tracking/distance ±75mm
total power	3~380V, 50Hz/15KW
machine weight	About 4.6T
machine dimension(L*W*H)	2500*3400*1600mm
Tension control	Auto control by Panasonic PLC matching high

	sensitive sensor
Automatic EPC rectifying device	Brand: EPC-380, Xinqiao, Guangdong. Feature: high sensitivity, good stability
main drive and rewind inverter	Model: VS-G7 Brand: YASKAWA/ Japan