



AJS-1700S JUMBO ROLL SLITTER

A machine that slits rolls of abrasive, paper and scotch, then rolls them back again afterwards. Designed to slit abrasives, it may slit similar materials as well.

Any sort of dimension can be slit for the blades can be set as one pleases. Standard pneumatic blade set (PBS) can slit 50mm width minimum. The machine requires a stringed blade set to provide slitting widths narrower than 50 mm, these blade sets slit minimum of 28 mm. Machine has standard 14 PBS.

The roll slitter machine type is designed to cut and rewind rolls of abrasive paper and cloth. Unwinding can occur with grain either inside and outside, while rewinding can occur with grain outside only. The machine is suitable for converters with a considerable working load and with frequent lot changes.

Setting the blade positions in stringed blade holder method is fairly easy, all blades can be placed in to anywhere on the cutting roller freely.

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OPERATING THE MACHINE

The roll that are to be slit are to be placed into the pneumatic shaft that grips the material, an electromagnetic braking mechanism prevents any sort of laxation in the material and slit material rolls up around pneumatic shafts at the other end of the mechanism. These shafts have pneumatic gripping mechanisms just like the ones at the other side. But instead of grasping, these shafts just get enlarged when air pressures them, thus grabbing the cut coils from the inside, when the abrasive gets completely coiled up at these shafts, one just releases the air and the shafts gets shrinked, thus the coil loses free and it can be taken off the shaft.

The brakes that are seen below, control the rotation of the rolling shafts, to prevent any sort of laxing and ensure solid, consistently coiled rolls.

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On the control panel, one would find controls of main motor speed, top and bottom coiling torque and brake power. There's an AC motor driver, and drivers for brakes, servo drivers for coils that provide individual winding and unwinding manually. An electronic encoder measures the length of the slit material length to keep track of how much the machine has slitted the material that is placed on the shafts.

Technical Data

Variable speed up to 50 m/min

Expanding shafts on both unwinder and rewinder sides

The unwind shaft with the abrasive roll can be moved sideways, to provide easy access

Electro-magnetic unwinding brake, adjustable

Unwinder maximum diameter 800 mm

Rewinders maximum diameters 600 mm (800 mm on single shaft)

Indicating meter counter with automatic slow-down and stop

Automatic brake tension control

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7" LCD control panel system control.

Options

Speed up to 80 m/min

Edge Guiding System on the unwinder

Additional unwinder up to 1300 mm diameter jumbo roll

Expanded width up to 2000mm maximum cutting room

Manual Cross-Cutting mechanism behind the cutting blades

Pneumatic high pressure bladeholder system

Size and Power

Overall machine dimensions: 2.7x1.5x1.65 m

Approx. weight: 2200 kg

Installed power: 7.5 kW

Air consumption: 10 l/cycle

Warranty The machine has warranty of two years. The warranty starts from the day it is delivered to its owner. Improper use is not covered by it. The warranty covers all malfunctions that are caused by improper production or of that had not been caused by any sort of error or misuse.