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D-130 PNEUMATIC SEPARATOR



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Specifications

- **Machine:** D-130 Pneumatic Separator
- **Size:** 48", 54", 60" or 72"
- **Serial Number:** _____
- **Date:** _____
- **Customer:** _____
- **Sales Order #:** _____

Introduction

Thank you for purchasing the new D-130 Distributor from Ibis International Inc.

The following pages will provide technical information regarding Safety, Maintenance, Parts configuration, and Spare parts.

If you have any questions regarding the operation or maintenance of this machine, please call.

Please review the SAFETY INFORMATION on the next page before installing or operating this machine. Also, be sure your operator is fully aware of the issues regarding SAFE OPERATION of this machine.

Installation

This machine is shipped complete and ready to operate. The machine must be securely mounted to prevent movement, as there is a vibration when the machine is in operation.

Drives:

The D-130 has two motors: (1) for the flat doffer (top) and (1) for the round doffer. (bottom) These motors are on the right and left bottom of the machine. The motors are to be properly connected to a control panel, as stated on the motor nameplates, in accordance to local electrical codes.

Shaft sensors:

The shaft sensors are meant to be used to sense when a motor as stopped only and are not meant as a speed sensor.

Door safety switch:

When requested, door safety switches are installed on the access door to prevent operators from accessing the machine while in operation. This switch is typically a mechanical on/off switch that is wired into the control panel to stop the machine if the access door is opened. It is highly suggested that if not ordered from Ibis International, that door safety switches be installed.

Safety

Operators should always be aware of the safety issues of the machines on which they work. This machine has several pinch points. Care should always be taken when working around the machine and especially when performing any maintenance activity.

NOTE: When performing maintenance checks and services ALWAYS be sure that the machine is off and the power is locked out.

DO NOT clean the machine while the machine is under power!

There are several pinch points on the machine. They are easily recognized where the doffers and screens meet, and where the drive components are exposed. **DO NOT** reach into these pinch points while the machine is in operation.

Replace all guards when the maintenance task is completed and before machine startup.

Noise level: The noise from the doffer blades hitting against the screen can be above 100dB within 1 Meter of the machine, if the flat doffer blades are out of adjustment. The doffer blades should just “touch” the screen, to clear material off and should not be bent severely when in contact. Correct adjustment will decrease noise levels significantly and extend the life of the doffer blades, as well.

As with any machine with moving parts and human operators, reasonable care and attention should always be paid to the safe operation of the machine. If it looks unsafe, DON'T DO IT!

Maintenance

The following items should be checked on a regular basis to ensure the continued smooth operation of your machine. The time interval involved depends on the environment you are working in (i.e. dusty, hot, humid, staple length, fiber condition, etc). Just remember, failure to perform periodic preventive maintenance will ALWAYS lead to failure of the machine!

NOTE: Be sure that the machine is off and power is locked out when performing maintenance service. **ALWAYS BE SAFE!**

- Clean off fiber wrap on shafts and bearings
- Check for tightness and wear of belts and seals
- Check safety switches for mechanical stability and electrical continuity
- Check that all metal, guards and transitions are in place
- Lubricate bearings on a regular schedule
- Check screens for wear and cracks
- Clean out dust from behind outlet screen
- Check bolts for tightness
- Check doffer blades for wear or damage

Spare Parts

The following parts are listed for your convenience. While this machine has been built with quality parts and is covered under the warranty you have received previously, nevertheless, parts do wear out. Therefore, it is recommended that these parts be kept on hand to prevent undue down time in the event of a mechanical failure. These parts are listed as a minimum. Should you feel the need to retain other parts not listed please contact us. When ordering please include the width of the machine.

QTY	PART #	PART DESCRIPTION
2		Flat Doffer Screen - D-130 (<i>order by machine width</i>)
	4701-2	D-130 x 48
	4701-21	D-130 x 54
	4701-22	D-130 x 60
	5900-75	D-130 x 72
1		Internal Half-moon Screen (<i>order by machine width</i>)
	4701-3	D-130 x 48
	4701-31	D-130 x 54
	4701-32	D-130 x 60
	5900-74	D-130 x 72
8		Round Doffer Neoprene Blade (<i>order by machine width</i>)
	5900-5	D-130 x 48
	5900-51	D-130 x 54
	5900-52	D-130 x 60
	5900-73	D-130 x 72
2		Flat Doffer Blade (<i>order by machine width</i>)
	5900-8	D-130 x 48
	5900-82	D-130 x 54
	5900-83	D-130 x 60
	5900-84	D-130 x 72
2		Motor (<i>order by nameplate info on motor</i>)
	***	3-HP – 50hz
	***	2-HP – 60hz
2	5600-4	Pillow Block Bearing x 1-15/16”
2	5600-2	Pillow Block Bearing x 1-7/16” or 35mm (confirm machine)
2	43050-3	B-110 or B-108 Belt (Standard size – confirm before ordering)
2	43050-2	B-67 Belt (Standard size – confirm before ordering)
2	VK1-A0-1B	18 mm Proximity Switch
1	710627	Replaceable service pack for automatic lubricator (if installed)