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Date

For the attention of:
Company, City, Country

DEMONSTRATION COL-TEC SUCTION FEED COLLATOR

B2 MODEL

TECHNICAL SPECIFICATION:

The general construction is as follows:

- FRAME:** Manufactured from mainly rectangular hollow section steel onto which other components and sub assemblies are bolted or welded. The frame is painted with undercoat and gloss topcoat with industrial paint. The construction of machines with more than 12 stations requires 2 or 3 frames.
- SHEET SIZES:**
- | | | |
|-------------|-------------------------|---|
| 6 stations | Maximum:
70cm x 50cm | Minimum:
14cm x 21cm (smaller on request) |
| 12 stations | 35cm x 50cm | 14cm x 21cm |
- RANGE OF STOCK:** 35 - 1000g/m on most types of flat sheet and folded section material.
- DRIVE:** Hard wearing stainless steel cables are used to drive the motion of the suction bar. Although only one cable is required, three are fitted to share the load and give built in back-up in the event any one cable should fail.
- SUCTION BAR:** This is constructed using extruded aluminum section and supports the suction heads. The heads pick up material from the feed stations and transfer it to the conveyor. Within the design the suction bar moves forward before lifting the sheets. This means that the suction heads separate the top sheet from the lower sheets. The movement is essential to minimise missing and double sheets.
- VACUUM AND BLOW:** This is provided using integral pumps and is controlled using purpose built valves. Col-Tec view the pumps as the heart of the machine and we believe in fitting higher rated pumps than found in other collators.
- MAXIMUM SPEED:** Will be set between 2,000 and 2,500 Cycles per hour (the actual production output is dependent on the size, paper quality, thickness and conditions of stocks). The Col-Tec model is easily loaded on the run on ALL stations thereby giving high "on the floor" production.

FEED STATIONS: The feed stations are at a comfortable height for operators and simple but powerful magnetic stops to keep the material in position are used. The depth of each feed station is supplied at 50 mm and each station can be reloaded whilst the machine is running. Higher than normal lift from the feeding station allows slightly curled stock to be fed.

Deeper pile feeders can be supplied as an optional extra.

PAPER JAM CONTROLS: Paper jam controls on the conveyor check and safeguard the whole length of the collator against paper lifting and jamming.

CONVEYOR: Belts are raised above the conveyor deck helping to carry rather than push the paper along the conveyor. A set of additional belts with welded flights is adjustable to the width of the sheet size thereby preventing any sheets from losing registration.

Conveyor flights determine the set thickness that can be collated. As standard those are set at 25 mm, but can be increased to accommodate a thicker set if requested (may affect the minimum sheet size).

Automatic knock-up belts are fitted to jog sheets together every time a new sheet is added to the conveyor.

ELECTRO-MECHANICAL DETECTOR SYSTEM: Miss detection on each station with double detector on exit.

COUNTERS: Totalising and resettable counters fitted as standard.

ELECTRICAL EQUIPMENT: 380/440 Volts, 3 Phase, 50 Hz with Neutral and Earth. Alternative voltages can be accommodated.

PRICE: 6/12-station B2/B3 Duplex Machine £ price on application

PRICE GUARANTEE: We believe Col-Tec prices are competitive. However we guarantee to better any genuine quotation offered by any other supplier when comparing machines with the same specification.

COL-TEC OPTIONAL EXTRAS (Price when ordered with Collator)

Standard Jogger with Adjustable Height and Tilt	...	...	...	£ included
Criss Cross Attachment	...	...	...	£ optional
Hand Feed Station (Right Hand Side)	...	...	...	£ included
Ultrasonic Miss & Double Detection System (In addition to standard vacuum miss and mechanical double detectors already fitted)	...	Price Per Station		£ optional
Advanced Computer Controlled Programming Unit	...	...	...	£ optional

Main Features of the Computer Programmer Include:

- Screen with guidance information for user
- Automatic start-up of the feed stations and shut down when the job is complete
- Insertion of sheets on one or all stations
- With electronic detectors fitted automatic miss sheet correction without stopping the collator and the option for the collator to feed multiple sheets into the set from any of the stations
- Option to pre-select the criss cross jogger at any pre-determined number of cycles
- Production data statistics

ESTIMATED DELIVERY: To be confirmed.

INSTALLATION: It will typically take 2 to 3 days to install an average size machine based on 8 hour working days. Connection of the equipment to a suitable electrical supply is the responsibility of the customer. The customer must also supply any forklift trucks or cranes that might be needed for installations.

Where engineers are required for installation and operator training please note that charges for their visa will be applied at cost.

CASH TERMS: 1/3rd deposit with order; balance on notification that the machine is ready for shipment.

A pre-delivery inspection of the equipment, or a film of the equipment running, can be arranged prior to payment of the second stage.

CCTV INSPECTION: We are happy to provide this customer with direct access to our network of CCTV cameras once build commences i.e., allowing them to track progress of the equipment in production from day one through to completion.

GUARANTEE: Based on an 8 hour, 5 day working week Col-Tec provide warranty cover for 12 months parts subject to fair wear and tear. It is important to follow the oiling and maintenance procedures listed in the operator's manual to maintain the validity of the warranty.

GENERAL NOTES: The above prices for Col-Tec equipment are valid subject to remaining unsold. Col-Tec will make their best endeavours to complete manufacture of the product by the estimated completion date but this date is not guaranteed.

Col-Tec (Solutions) Limited does not accept any responsibility for damage or loss directly or indirectly due to any type of problem caused by loss of production.