

product data

MEECH SERIES 1000 WEB CLEANING SYSTEM

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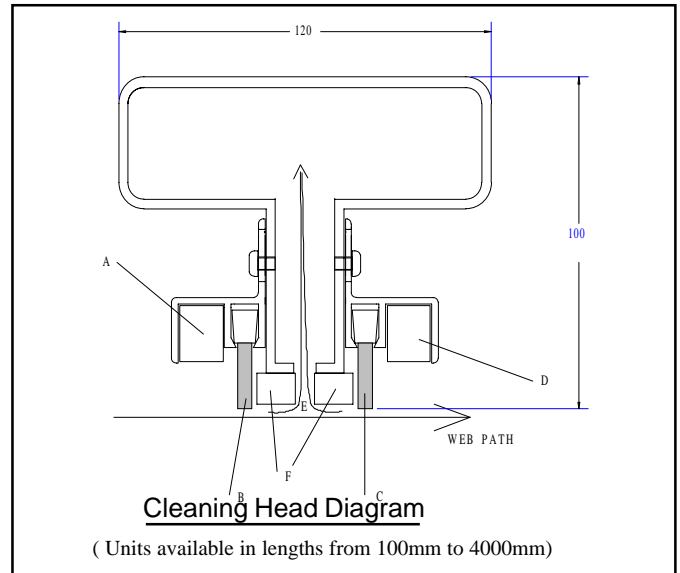
Introduction

The Meech Series 1000 System has been developed to meet the needs of those industries suffering problems of in-process web contamination. Typically contamination on a material web may take the form of statically attracted dust, "pressed in" embedded dust or fibres from the material itself, all of which will lead to a poor quality product and machine down time. The problem of statically attracted dust to plastic webs used in the printing, food, medical & pharmaceutical industries poses a particular threat to quality and safety. The Meech Series 1000 System has been specially designed to deal with all these contamination problems efficiently and cost effectively.

How the Series 1000 Works

As the web approaches the Meech cleaning head, static electricity causing dust to be attracted to the material is neutralised by a Meech Model 910 Ionising Bar (A). Surface dust held to the material by moisture, or dust embedded in it, is dislodged by the adjustable soft brushes (B).

The face plate (F) breaks up any boundary layer, allowing the "freed" dust to be extracted by the powerful vacuum at (E). A second adjustable brush (C) prevents any dust being carried past the vacuum section. Finally, the material passes a second ionising bar (D) to remove any static charge generated by the brushing and vacuum process, thus preventing re-attraction of dust. The powerful vacuum is generated by a remotely positioned centrifugal fan. Connection of the fan to the cleaning head is made by suitably sized flexible ducting. Fan specification will change with the length of the cleaning head. Extracted dust is finally collected in a polyester collection bag, which is supported by a simple metal framework. The cleaning head is fitted to the web machine on a set of adjustable brackets allowing correct alignment and positioning.



Applications

Packaging Industry:- Board and paper manufacture: Extruded film manufacture: Food packaging material: Coated paper manufacture: Photographic film.

Printing & Paper Industry:- For all web fed presses, P C B preparation, Laminated board.

Other:- Glass preparation before laminating: Plastic cleaning prior to vacuum forming or processing: Sheet steel cleaning prior to pressing.

Options

- * Cyclonic dust collection module.
- * Single or Double sided web cleaning.
- * Hazardous area application.
- * Ionisation functioning sensor.
- * Remote operation.
- * Customised mounting brackets.

Installation and Maintenance

Installation of the Series 1000 cleaning head is made simple by the adjustable mounting brackets which allow full adjustment of the cleaning head on the machine frame. The vacuum fan and collection bag can be located in any position adjacent to the machine and cleaning head.

The Series 1000 System has been designed so that only a minimum level of maintenance is required: simple periodic cleaning of the ionising bars and emptying of the dust collection bag are the prime requirements.

Further information

To discuss your application in greater depth, please contact Meech on **01993 706700**

