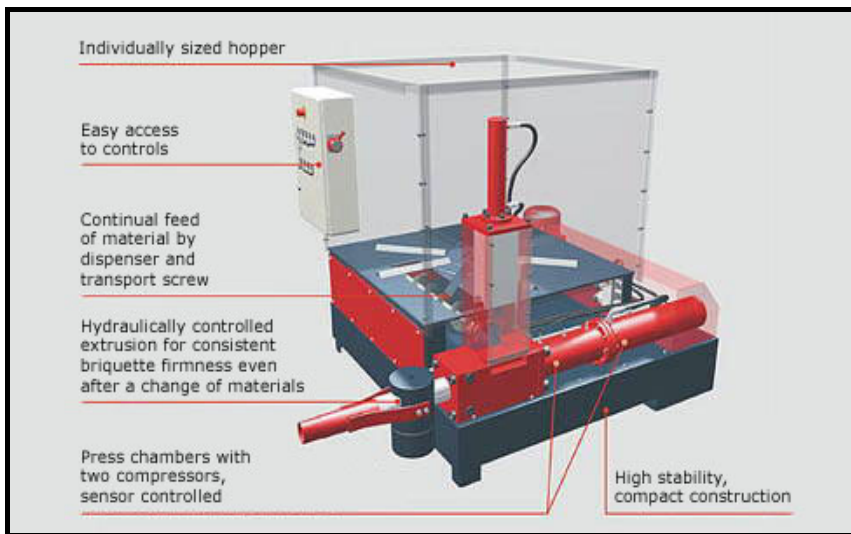


# AIRMEC DESIGN LIMITED

AIR & MECHANICAL WASTE HANDLING SPECIALISTS

## Airmec Paper Dust Briquetting Presses



The Airmec range of Briquetting Presses facilitates paper dust volume reduction by up to 90%. No longer do you have the annoyance or health and safety issue of handling heavy plastic sacks of loose dust generated by the back preparation section on your binders. The filtered out dust can now be automatically converted into easy manageable, high density briquettes. With the dust in this form, the briquettes can be disposed of far easier. Waste Merchants will now accept their inclusion as additional weight to your compacted paper trim.

### Operation

Both design and function of Airmec Briquetting Presses are ingeniously simple: The dust to be compressed is mixed by a permanently rotating agitator and then fed into the pressing chamber by the dosing unit. The loose material is then held in the chamber and pre-compressed. This is followed by a second compression stage where a horizontal pressing cylinder compresses the pre-formed briquette into its final, highly compact shape.

Coupled directly or indirectly via a cyclone to a reverse-jet filter unit, the briquetter can operate automatically 24 hours a day processing the filtered dust into briquettes and feeding them directly into your compactor via a transfer tube for disposal.



### Features

- Volume reduction of waste paper dust.
- Low purchase price.
- Low power consumption.
- Space – saving design.
- High – quality finish.
- Rugged for long service life.
- Low maintenance, few consumable parts.
- Ease of operation.

Quality... Value... Efficiency... Improved Productivity... Increased Waste Revenue...

## Compactor Feed Tube



The photo to the right shows a recent installation by Airmec, at Pindar Graphics in Scarborough. A briquette transfer tube has been fitted to the extrusion outlet on the briquetter, facilitating automatic transfer of the briquettes directly into one of the four compactors which currently process trim waste from the Airmec bindery waste extraction system. The photo below shows the dust briquettes as they fall into the compactor charge box.



## Existing Filtration Plant Modification

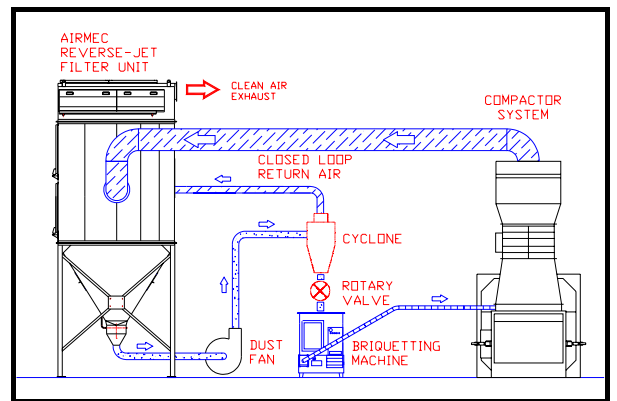
Whether you have an existing Airmec Reverse Jet Filter or not, we can adapt your current unit to accept inclusion of an Airmec Briquetting Machine by introducing a closed loop cyclone system (as illustrated below).

Your existing bag collection system will be replaced with a dust transfer system which conveys the dust directly from the filter hopper, to a dust separation cyclone mounted above the Airmec Briquetter Unit.

A rotary air lock feeds the dust from the cyclone into the briquetter hopper, without pressure from the conveying system. Any carry over dust from the cyclone, is vented directly back into the main filter unit, thus creating a totally sealed closed loop system.

Once the dust briquettes are formed, they are automatically pumped by the machine, via the transfer tube, directly into the adjacent compactor unit.

Please contact our offices now for a quotation.



**AIRMEC DESIGN LIMITED**  
CLARENCE HOUSE  
30 QUEEN STREET  
MARKET DRAYTON  
SHROPSHIRE  
ENGLAND

TEL: +44 (0) 1630 655656

FAX: +44 (0) 1630 658172

E-MAIL: [info@airmecdesign.com](mailto:info@airmecdesign.com)

WEB: [www.airmecdesign.com](http://www.airmecdesign.com)



Airmec's Extensive Range of Services Includes: -

- Process Waste Extraction Systems.
- Dust Filtration Solutions.
- Fume Extract & Ventilation.
- LEV Testing.
- System Service & Maintenance.
- Spare Parts Stockist & Bespoke Manufacture.