



A TEREX BRAND

PRODUCT SPECIFICATION

AIRMAX

MATERIAL DENSITY
SEPARATOR



CONTAMINATED BIOFUEL • C&D RECYCLING • MULCH CLEANUP • COMPOST CLEANUP • AUTOMOTIVE FLUFF RECYCLING

KEY FEATURES...

The CBI AirMax Material Separator is one of CBI's newest and most promising material management solutions. Developed as an efficient alternative to water tanks, the AirMax was designed for separating heavy materials such as aggregates, metals, glass, and more from lighter materials. The AirMax is ideal for separating rock from wood and plastic, C&D recycling, mulch cleanup, compost cleanup, automotive fluff recycling, and a variety of other applications. It does everything a standard air knife does but in a self-contained, self-filtering package, so you don't have any dust or air control issues. The AirMax is a clean, quiet, and precise solution for recycling centers who want to get the most out of raw waste being processed. End users can use recycled wood for in-house mulch operations and separated rock for fill or other markets. This machine takes raw waste recycling centers to the next level while proving to be a universal asset across industries.

The blower and infeed motors run off variable frequency drives, allowing for full control of airflow and conveyor speed. The infeed adjusts back and forth, in relationship to where it dumps into the blower's airflow, allowing the AirMax to separate a variety of materials. A fully enclosed unit for self-contained air flow allows for a dust-free and quiet operation, while recirculating 70 percent of the air back through the system. Dust collects into three rear-mounted bags for easy disposal.

Easy to maintain cloth filters



Inexpensive disposal bags



The AirMax is designed to run smooth with minimal vibration, while at the same time meticulously separating material for a quality end product. Adjustable feed and air flow let owners calibrate the machine for various applications and levels of separation. Adjustable diverters force air through the nozzle to flow over the rotating drum and cut material. The rotating drum provides assistance with carrying lighter material into the chamber. Once material gets inside the chamber, air disperses quickly and the material falls onto a lights discharge conveyor. Standing at just over 8' in height and 31'-10" in total length, the AirMax is compact and space efficient.

Air filtration system housed at the back of the AirMax filters thirty percent of working air from the blower nozzle.

Seventy percent of air is recirculated through the system.

Expansion chamber built to reduce air and light fraction velocity so material settles on lights conveyor.

Infeed conveyor speed and location relative to separating drum, can be adjusted to suit varying material separation needs.



7'-6" width allows it to fit entirely in a shipping container for ease of transportation.

Heavy debris falls through chute while light materials are blown into expansion chamber.

30 HP blower with VFD allows for adjusting blower's output CFM for precise separation of different materials.



Support conveyors and structural steel can be quoted upon customer's request.

Mixed waste loaded into the AirMax



Product 1: Clean stone end product



Product 2: Clean wood end product



“The AirMax is able to separate the wood and stone into two components so that everything is usable in the stream. In my opinion, this has proved to be the best technology available in the marketplace. The stone is exceptionally clean and we’re able to send that to the crushing operation to make dimensional stone out of it. The wood is either ground to make compost or mulch. In essence, we turn 100,000 yards of waste material into finished, valuable product.”

JACKSON DESPRES, SMITHFIELD PEAT CO.



FEED CONVEYOR

Length: 74" (1,879.6 mm)
 Width: 36" (914.4 mm)
 Motor: 5 HP variable frequency-driven motor
 Blower Motor: 30 HP variable frequency-driven motor

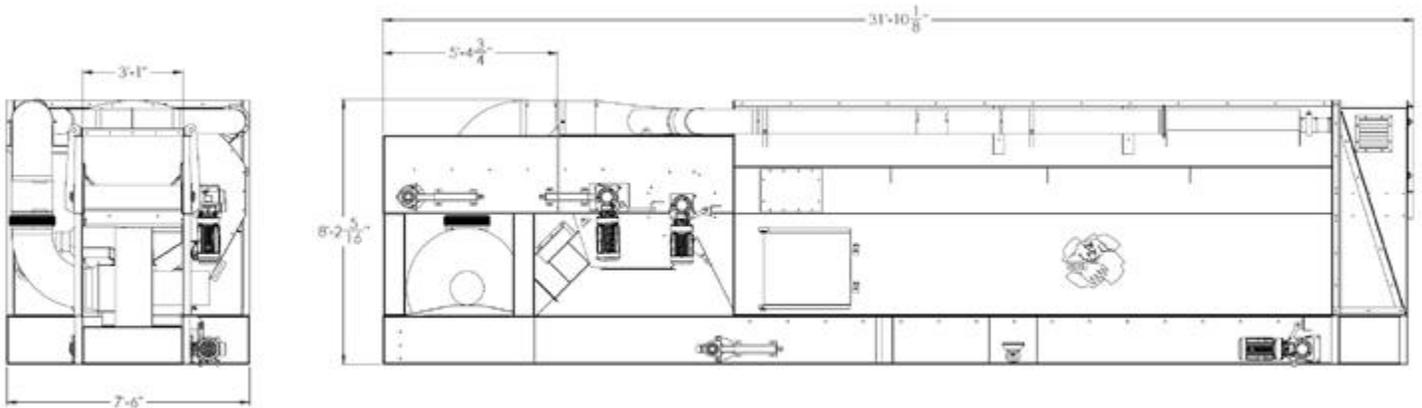
LIGHTS CONVEYOR

Length: 220" (5,588 mm)
 Width: 36" (914.4 mm)
 Motor: 5 HP

DRUM ASSEMBLY

Motor: 2 HP motor
 Diameter: 24" (609.6 mm)

Specification subject to change without notice.



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