

## The **AirTrim** ADJUSTABLE Energy Savings Venturi/ Inducer\*



Standard AirTrim Adjustable Venturi in **3" to 8"** diameters with air flow adjustment commonly used in Paper, Film, Foil & Plastic



The Jumbo Venturi in **10" to 18" diameters** typically designed for specialty applications most common to the Recycling Industry

### GENERAL INFORMATION

Where a continuous stream of waste material is beneficial, the AirTrim *Patented\** Energy Savings Venturi can reduce energy costs up to 30%. The adjustable feature allows fine tuning the air flow for the most efficient pneumatic handling of continuous waste. This product is available in mild or stainless steel.

Available for new systems or retrofits, with intake diameters from 3" for narrow trims up to 32" for larger objects as such as in Recycling Facilities or Mill applications.

### TECHNICAL BENEFITS

- ⇒ The *patented* adjustable feature permits adjusting the air flow to your specific application while conserving power consumption.
- ⇒ For multiple pressure blower systems, using an Energy Savings Venturi can reduce the number of blowers required in the system lowering energy consumption.
- ⇒ Conveyed material travels through the system without touching any moving parts resulting in significantly lower operational maintenance and much less dust than cutter or chopper systems.

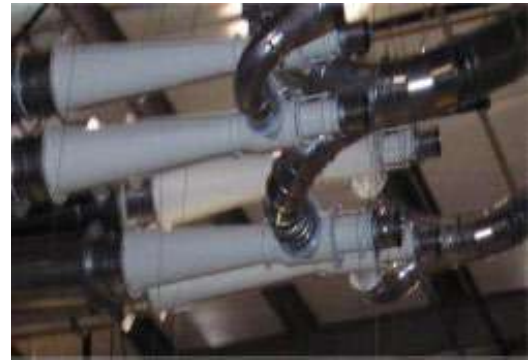
Airtrim Adjustable Venturi/Inducer

\*US Patent No. 6,732,897

Standard Capacity		Jumbo Capacity	
Part#	Inlet Diameter (in)	Part#	Inlet Diameter (in)
51ND03	3	51ND10	10
51ND04	4	51ND12	12
51ND05	5	51ND14	14
51ND06	6	51ND16	16
51ND08	8	51ND18	18



Dual adjustable inducer



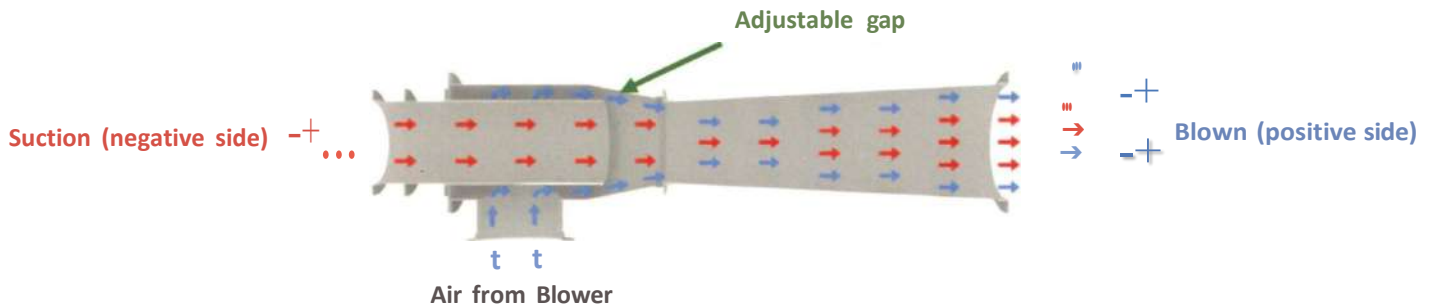
Multiple Adjustable Inducer installation

## WHAT IS A VENTURI / INDUCER SYSTEM

In a Venturi/ Inducer system, a blower generates air pressure which is sent directly into the venturi. At the venturi this air flow is forced to make a 90° turn and flow through the 'escape gap'. The air at this point is moving at such a high rate of speed, it creates suction on the intake (negative side) of the system where the trim is collected; after the air is moved through venturi, it pushes the uncut waste trim (positive side) to the desired location/ receptacle.

The trim pulls into the intakes at the press or machine side and travels straight through the venturi to the designated location without touching any moving parts. Waste trim can stay as it is without chopping or granulating, resulting in very low system maintenance since no moving parts are in contact with the product being pneumatically conveyed. These types of systems are field-proven and ensure years of low maintenance and operating costs.

These systems are suited for applications where balers or compactors are being utilized. The Venturi/ Inducer systems efficiently and cleanly process a continuous flow of waste trim to the collection area. In the AirTrim Energy Savings Venturi, this gap is adjustable and allows the fine tuning required to optimize the air flow for the most energy efficient configuration.



## WHERE TO USE

In the paper, plastic, film, foil converting industries along with label matrix printing applications, Venturi systems can convey a continuous ribbon of material to a container, collection bin, compactor or baler for removal or recycling.

In addition, Venturi systems can also convey a broad assortment of non-traditional materials such as food, vegetables, milk cartons, paper bags, plastic bags, soda cans, and die cuts (to name a few), where standard cutter/ chopper systems or material handling systems do not apply.

For many trim removal applications, Venturi systems are a quick, simple and cost-effective option. For those applications that require the waste material to remain intact, uncut and unprocessed - this is the best system to use.