

PETERSON BLOWER TRUCKS





BUILT TO CONNECT

Astec Industries' Peterson Blower Trucks and Trailers provide industry-leading pneumatic delivery solutions for landscaping applications.

The Peterson brand was founded in 1981 making industry-changing equipment and has been an integral member of the Astec Industries family since 2007. By aligning all Astec brands, we harness the power of a comprehensive dealer network, expansive parts distribution, and robust service.

Based in Chattanooga, Tennessee, Astec was founded in 1972 with the vision to supply creative thinking and state-of-the-art technologies to Rock to Road industries.

Today Astec manufactures over thousands products worldwide. Astec products include:

- rock crushing plants
- screening plants
- hot mix asphalt facilities
- concrete plants
- asphalt pavers
- recycling
- forestry solutions
- and more

Astec is committed to placing the customer first. We focus on customer-driven innovation in everything we do. This approach informs how we design, build, and service our products.

As part of Astec Industries we are Built to Connect today, tomorrow, and in the future. This means that our products, services, and solutions connect communities. We design and develop innovative and sustainable industry-leading blower trucks through collaboration, modernization, and teamwork. We are Built to Connect.

ENDLESS APPLICATIONS

Peterson blower trucks and trailers are the most robust and innovative in the industry. Just one look, and you'll see why.

With the ability to deliver a variety of materials, Peterson blower trucks and trailers are the premium choice for spreading mulch, light aggregates, and soil erosion control products. See why more people buy Peterson blower trucks than any other brand.



Commercial Landscaping



Infrastructure



Playgrounds



Green Roofs



Residential Landscaping



Aggregate Foundations



Seed & Fertilizer



Erosion Control



Filter Socks

ENDLESS MATERIALS

Astec blower trucks are the premium choice for pneumatically delivering the types of material that your customers desire for their projects. Many times blower trucks may deliver several of these types of materials in a single day, and our blower trucks can handle the toughest jobs. Common applications are listed to the right, but our innovative and powerful systems may also be a solution for your next project.



Bark Mulch



Playground Chips EWF



Fibrous Mulch



Garden Compost



Green Roof Mix



Soil



Light Aggregates



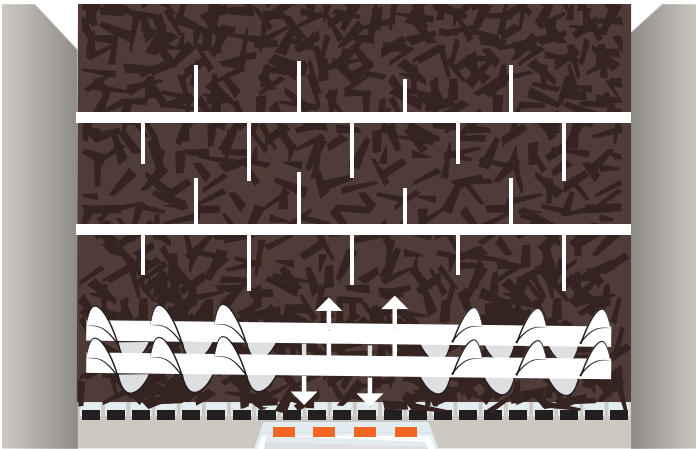
Animal Bedding



Rubber Mulch

SIMPLE. SAFE. SUPERIOR.

Our engineers spent years perfecting a simple, safe, and efficient feed system to keep material flowing to the blower unit and to keep your employees out of the danger zone. Safety is our number one priority at Astec, and we sweat the smallest details to keep your employees (and customers) safe during the operation of one of our blower units. Our simple and robust systems will give you years of safe and reliable performance.

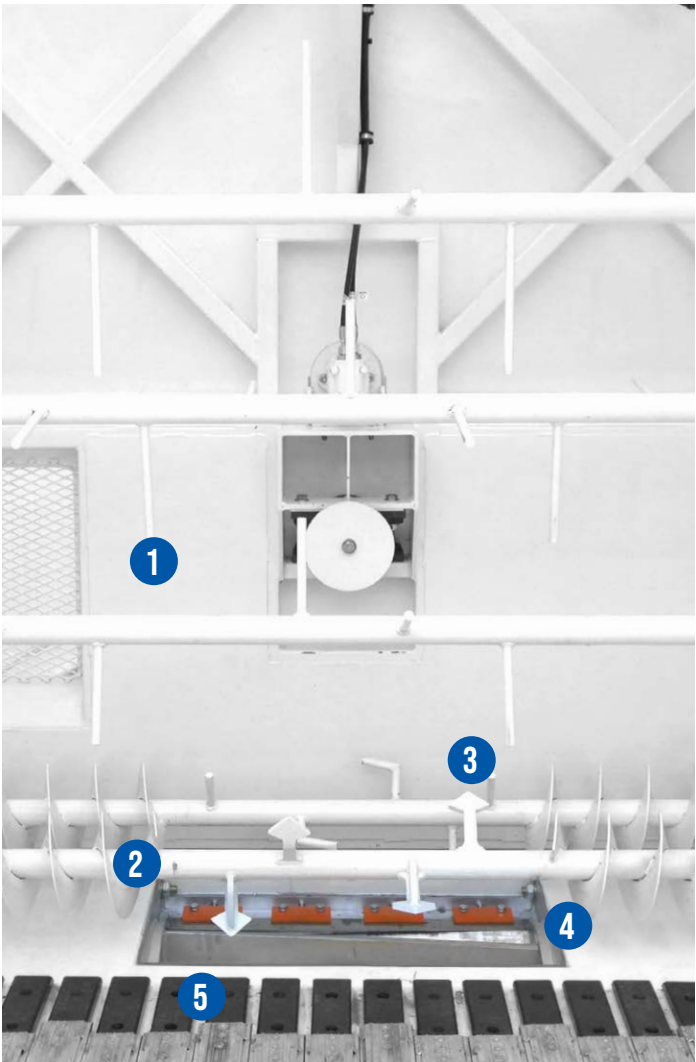


Gravity feed

Peterson's unique gravity feed system is safe and easy to operate. This superior design lets gravity do most of the work with augers and tines breaking up the material and metering it into the feeder, providing for consistent feeding into the blower. The straight sided hopper and live floor helps eliminate bridging.



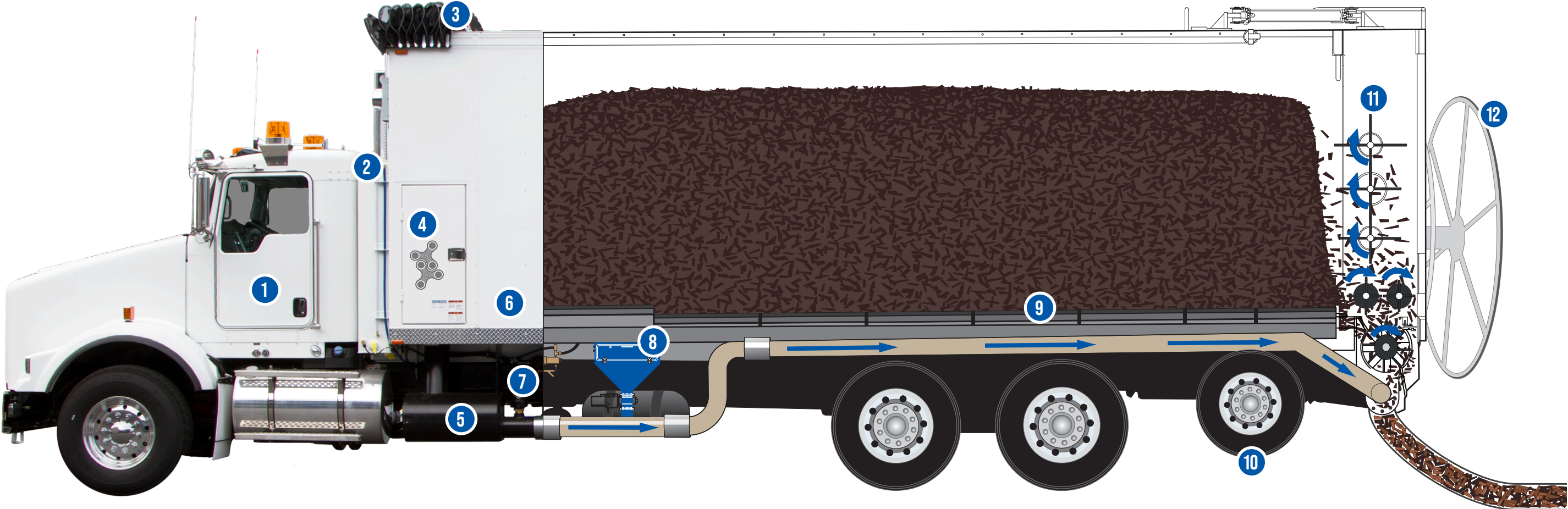
SUPERIOR FEED SYSTEM



- 1 Tines**
The tines work in upward stroking fashion to continuously breaking up and fluffing material.
- 2 Augers**
As material drops with gravity, the augers move material to the center, directly over the feeder box.
- 3 Devil Tails**
Located directly above the feeder box, devil tails continuously agitate material to prevent any bridging from occurring.
- 4 Feeder**
Astec's feeders have a larger opening than competitors and has a dual drive system that assists with cutting difficult materials. This prevents unnecessary downtime and ensures a smooth delivery of feed materials into the air stream.
- 5 Live Floor**
The live floor moves material toward the feeder and the gravity feed system. The live floor helps prevent bridging from occurring.



KEY FEATURES



1 Class 8 Chassis

Truck models are mounted to a Peterbilt 567 with a driver bucket seat and two-person bench seat, allowing a three-person team to ride comfortably. Stand-alone blower units can be mounted to any Class 8 chassis to fit international markets.

2 Water Tank (Optional)

Dust suppression reduces airborne particles while delivering dry materials, and includes a separate hose for cleanup.

3 Retractable Tarp System

Retractable cover allows for easy loading. Both electronic and manual systems available to keep material covered during transport.

4 Tri-Lobe® Blower

Tri-Lobe® blower provides a robust and reliable system to equipment owners who want to run day in and day out. Stiffer at the shaft than a two-lobe blower and runs more consistently.

5 Discharge Silencers

Peterson's discharge silencer decreases the operating decibels, providing additional safety to the operator and reducing neighborhood disturbances.

6 Power Sweep (Optional)

Use the power sweep system to easily clean the truck's floor, allowing you to switch between materials quickly.

7 Kunkle Valve

The Kunkle valve regulates psi to prevent a backup in air pressure and can decrease air flow if pressure is too high.

8 Air Stream Injection System (Optional)

Evenly distribute seeds or fertilizer directly into the material mix with the air stream injection system. A tackifier can be added for efficient erosion control applications.

9 Live Floor

The sliding slat floor enables the repositioning of loads between deliveries and allows for easy clean-up.

10 Axle Configuration

Multiple axle configurations are available to choose from, including four and five axles.

11 Gravity Feed System

Augers and tines meter the material into the feeder and prevent bridging, ensuring a consistent flow of material into the air stream.

12 Hose Reel

The external hose reel with optional power take-up allows operators to unreel and retract the hose quickly and efficiently. This is located at the front, inside the trailer on BTR models.

Power Take-Off vs. Blower Engine

While blower trucks utilize a power take-off system, using the trucks engine to power the blower, blower trailers and stand-alone blower units have a separate engine to maximize efficiencies.

A separate engine gives operators the ability to drive and deliver materials simultaneously. This works well when working on sites where material application is spread out, such as parking lots, HOAs, and roadway medians. This eliminates having to power down the blower each time you need to reposition the vehicle.

Blower trucks utilizing a PTO are more affordable since there is only one engine to maintain. Plus, it allows for a greater payload.

OPERATOR EXPERIENCE

Any seasoned blower truck operator can attest that pneumatically delivering materials can be a strenuous job. We have spent years simplifying the process with simple-to-understand controls, arm mounted remote controls, and the ability to finesse materials into the most delicate applications, all with the touch of the button on the remote control. Operators can accurately deliver the materials into their delivery zone and quickly and easily make adjustments as necessary.

Our robust and efficient feed systems keep material flowing into the feeder, and keep your employees out of the danger zone. Additional features include:

- The automated hose reel cause less fatigue to the operator when finishing a job.
- The optional power sweep helps you efficiently offload material from your truck and trailer at the end of the day.
- The standard blower truck cab is designed with a driver’s seat and a two-person bench seat, the ideal setup for a three-person crew.
- Memory Link helps you resume working by reconnecting your remote when you are back in range of your truck and restores settings without a reset.
- The standard five-inch hose provides faster and more efficient delivery than smaller hoses.



Remote Control

The remote control operates the entire system, enabling a single-person application. Pause and resume operation with the push of a button.



Easy Controls

The IQAN control panel has a user-friendly design and allows for fine-tune adjustments for maximum productivity.



Adaptive Feed

The adaptive feed keeps the equipment working at optimal capacity, preventing over-compacting material above the feeder.



Safer Design

The gravity feed, discharge silencers, dust suppression, directional light bars, night work lights, side-opening endgate, and powered hose reel all provide for a safer job.





EQUIPMENT FEATURES



Tri-Lobe® Blower
 Our high capacity Tri-Lobe® blower provides increased airflow and production. Larger five-inch diameter hoses can blow materials that could plug smaller hoses.



Side-Opening endgate
 The side-opening endgate on Peterson blower trucks and stand-alone blower units, provides easy access to the feed system allowing for easier and safer maintenance.



Drive Chains & Bearings
 A series of drive chains keep the auger and tines moving steadily. Bolt on tensioners and centralized greasing provide easy maintenance.



Air Stream Injection System
 Evenly distribute seeds or fertilizer directly into the material mix. A tackifier can be added for efficient erosion control applications.



Custom Graphics Packages
 Custom graphics packages to help your business grow. Graphics packages are designed by industry professionals that understand what your business needs to promote your services.



Hose Connectors
 Peterson's hose connectors are external designs resulting in no internal restriction to material flow. The full inside diameter of the hose is available for air/product flow, meaning your hose is less likely to plug.

MODELS

Astec Blower Trucks are available in three different configurations with multiple models in each style. In addition, different axle configurations are available to suit material weight needs and local road restrictions.

Blower Trucks

Blower Trucks are mounted on a Class 8 chassis and are PTO driven.

Blower Trailers

Blower Trailers are sold separate from a truck chassis and are intended to be hauled by a semi. The are equipped with their own engine. Unlike Blower Trucks and Stand-Alone Units, the blower trailer’s feed system is at the front of the trailer with the engine package. Blower trailers can have a left or right hand discharge for traffic needs.

Stand-Alone Blower Units

Stand-Alone Blower Units are also mounted to a Class 8 chassis. They are equipped with their own engine package located at the front of the truck box. They also utilize the side-opening endgate like blower trucks.

The BTS50+ is a heavy-duty version intended to deliver light aggregates and soil in addition to mulch and compost.



Blower Trucks

Details	Spec
Chassis	any Class 8 Peterbilt 567

BT40C Specifications

Struck Volume	40 yds³ (37 m³)
Loading Height	11’ 4” (347 cm)
Standard Engine	PTO System
Estimated Weight	34,160 lbs (15 495 kg)
Blowing Pressure	15 psi (1.03 bar)
Blower Capacity	2100 CFM
Material Weight	up to 2100 lbs/yd³

BT60C Specifications

Struck Volume	61 yds³ (37 m³)
Loading Height	12’ 3” (375 cm)
Standard Engine	PTO System
Estimated Weight	38,000 lbs (17 237 kg)
Blowing Pressure	15 psi (1.03 bar)
Blower Capacity	2100 CFM
Material Weight	up to 2100 lbs/yd³



Blower Trailers

Details	Spec
Standard Chassis	5th wheel hitch mount suspension options available

BTR45 Specifications

Struck Volume	45 yds³ (34 m³)
Loading Height	13’ 6” (411 cm)
Standard Engine	CAT C7.1 Tier IV, 225 hp
Estimated Weight	25,600 lbs (11612 kg)
Blowing Pressure	15 psi (1.03 bar)
Blower Capacity	2100 CFM
Material Weight	up to 2100 lbs/yd³

BTR70 Specifications

Struck Volume	70 yds³ (53 m³)
Loading Height	13’ 6” (411 cm)
Standard Engine	CAT C7.1 Tier IV, 225 hp
Estimated Weight	27,000 (12247 kg)
Blowing Pressure	15 psi (1.03 bar)
Blower Capacity	2100 CFM
Material Weight	up to 2100 lbs/yd³

BTR90 Specifications

Struck Volume	90 yds³ (68 m³)
Loading Height	13’ 6” (411 cm)
Standard Engine	CAT C7.1 Tier IV, 225 hp
Estimated Weight	28,000 lbs (12701 kg)
Blowing Pressure	15 psi (1.03 bar)
Blowing Capacity	2100 CFM
Material Weight	up to 2100 lbs/yd³



Stand-Alone Blower Units

Details	Spec
Standard Chassis	any Class 8 Peterbilt 567

BTS50 Specifications

Struck Volume	48 yds³ (37 m³)
Loading Height	12’ 9” (389 cm)
Standard Engine	CAT C7.1 Tier IV, 225 hp
Estimated Weight	47,500 lbs (21546 kg)
Blowing Pressure	15 psi (1.03 bar)
Blower Capacity	2100 CFM
Material Weight	up to 2100 lbs/yd³

BTS50+ Specifications

Struck Volume	48 yds³ (37 m³)
Loading Height	12’ 9” (389 cm)
Standard Engine	CAT C9.3B Tier IV, 335 hp
Estimated Weight	48,700 lbs (22090 kg)
Blowing Pressure	20 psi (1.38 bar)
Blower Capacity	2300 CFM
Material Weight	up to 2700 lbs/yd³



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