VENTURA™

HIGHLY PORTABLE ASPHALT PLANT

ASTEC™

ASTEC™

Astec has decades of experience building innovative equipment for the asphalt mixing industry. From the very beginning, Astec equipment is designed with the end-user in mind. The Astec Ventura asphalt mixing plant maximizes the performance capabilities for a compact, ultra-portable plant. This highly portable version of the renowned Astec continuous mix asphalt plant effectively uses field-tested and proven core components to reliably deliver a production rate of 140 mtph.*

SINGLE LOAD

CONTINUOUS PROCESS

140 MTPH

SIMPLIFIED MAINTENANCE

UP TO 15% RAP

Scan here to watch the video

VENTURA

SINGLE LOAD PORTABLE ASPHALT PLANTS

** at 3% moisture*

HIGHLY PORTABLE ASPHALT PLANT

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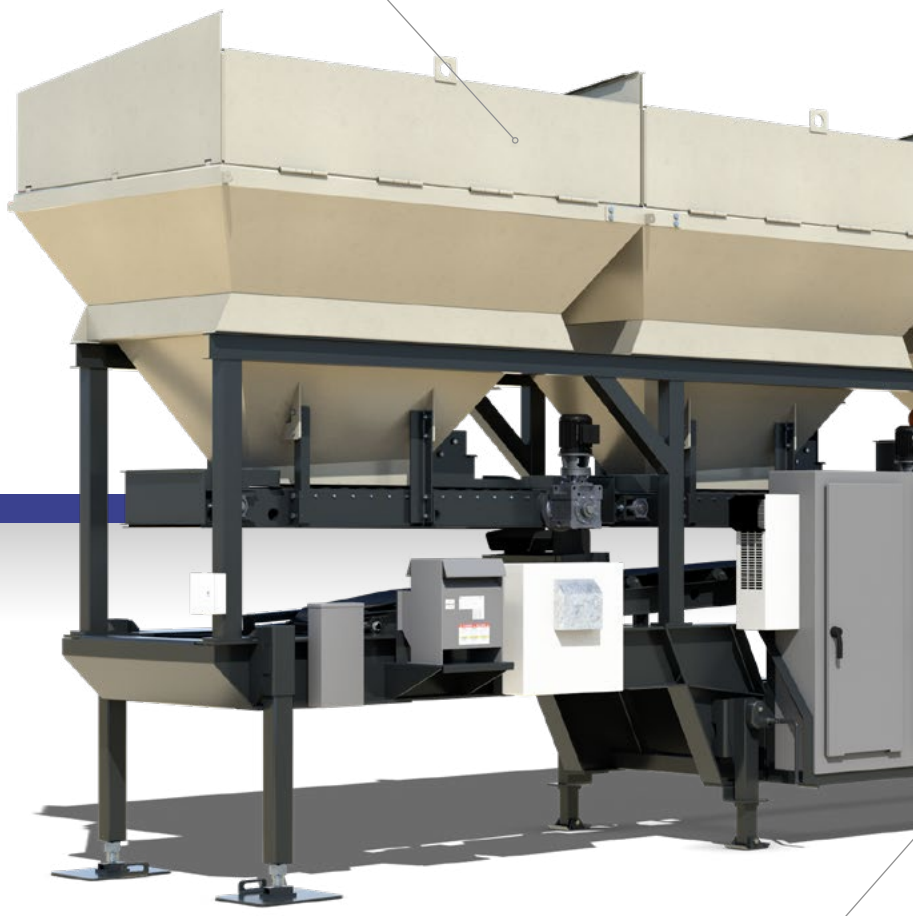
Counterflow Dryer

The Ventura uses the proven technology of a counterflow drum with patented Astec v-flights to efficiently dry aggregate.

Cold Feed Bins

Standard three bins with weighing belt feeders. Available options include a fourth bin, grizzlies and bin extensions.

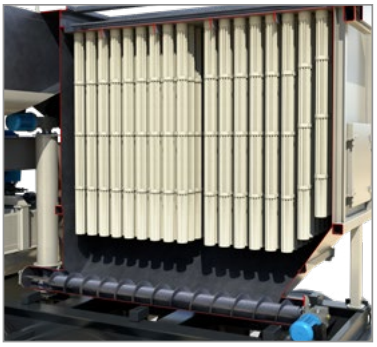


AC Pump

Standard on every Ventura asphalt plant, the liquid bitumen is injected using a twin-pump meter. This is the most reliable and accurate bitumen dosing system in the industry.

Control Cab

The controls cab is attached to the plant chassis. It features Astec's automated MPIII Controls.



Pulse Jet Baghouse

The Ventura achieves maximum production rates with a smaller baghouse footprint due to the premium 100% aramid bags in the Pulse Jet baghouse. The unique pleated design of the bags increases the available filtering area.

Drag Conveyor

The pivoting drag conveyor and batcher remain attached to the frame during transport. Heavy-duty steel drag components increase reliability. The drag bottom can be unbolted and replaced lowering maintenance costs.

CMAX Burner

The Power Flame® CMAX burner is on the cutting edge of burner technology and the new highly portable Ventura is the first asphalt plant to feature this advanced burner design.

Twin-Shaft Mixer

External mixing through a twin-shaft mixer ensures a ahigh-quality final product.

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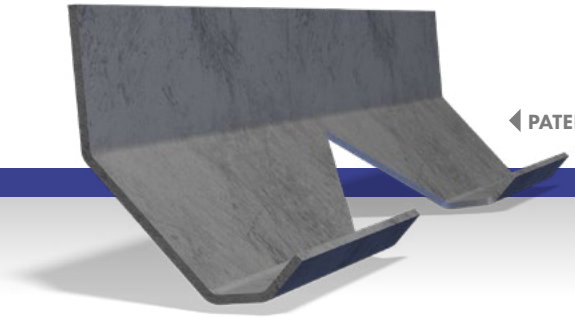
ENHANCED EFFICIENCY

Astec is a leader in development of technologies to reduce energy consumption during the production of asphalt paving mix.

VENTURA

ENERGY EFFICIENCY: BAGHOUSE VFD

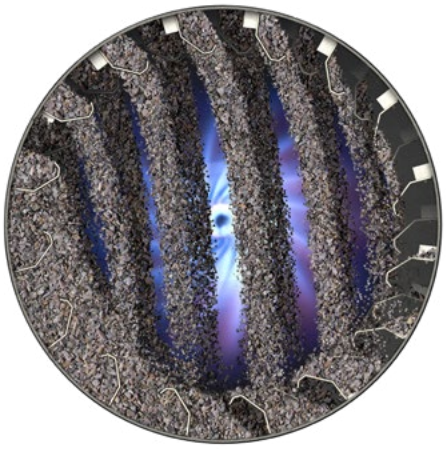
- The Variable Frequency Drive (VFD) controlled fan reduces power demand at start-up and reduces power consumption during operation which lowers overall operating costs



PATENTED ASTEC V-FLIGHT

ENERGY EFFICIENCY: FUEL CONSUMPTION

- Patented Astec v-flights lower fuel costs due to more efficient drying
- V-flights produce a uniform veil of virgin aggregate across the entire drum, regardless of the plant's production rate or the RAP percentage used



V-Flights provide greater uniformity of aggregate veiling through the gas stream during the drying process across a wide variety of mix designs and tonnage rates.

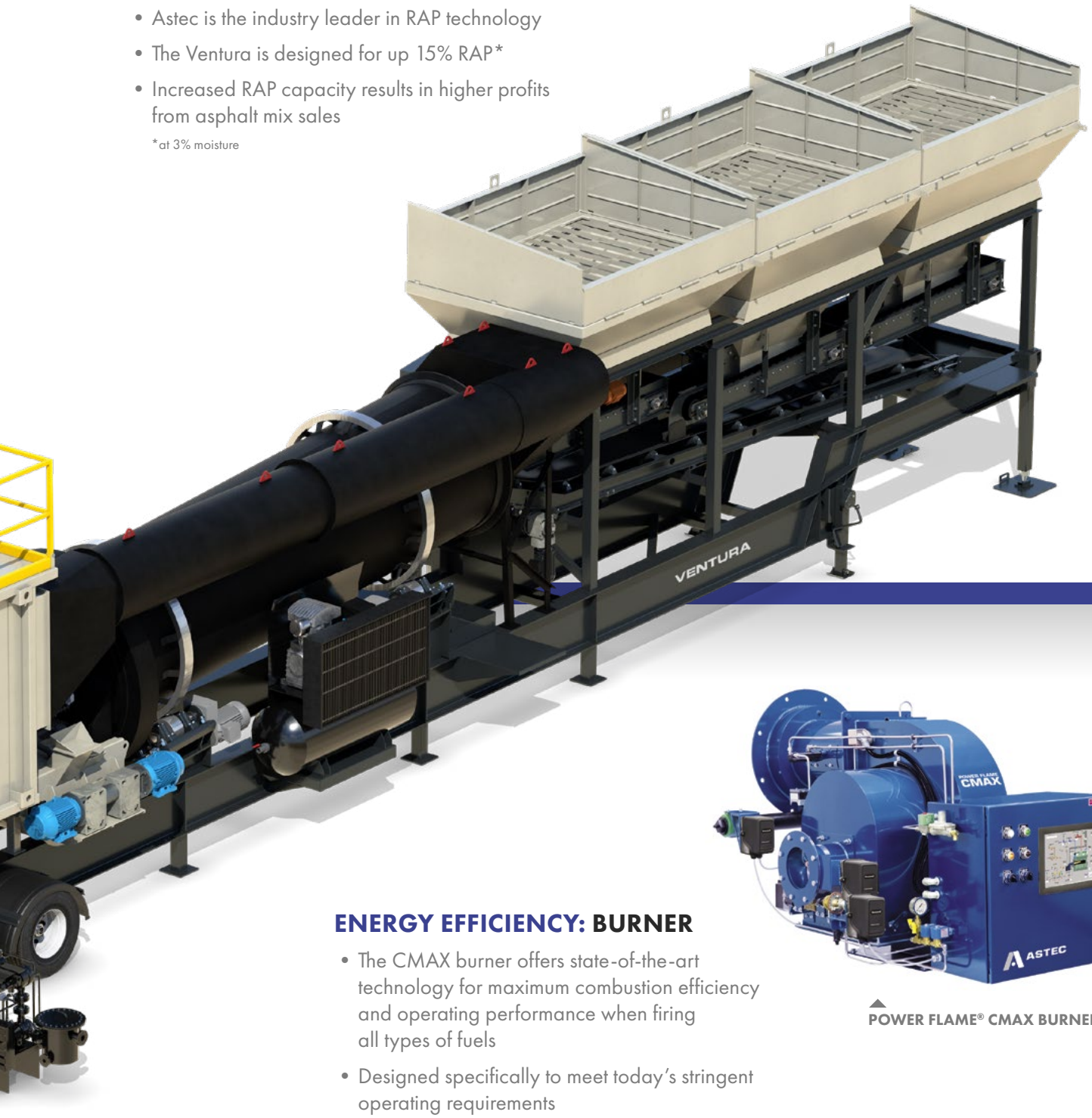
The v-shaped notch allows material to start pouring out of the bucket at the beginning of each revolution. The material in the bucket continues to pour out until the rotation is complete. This is what provides an even veil of material. The v-flight is also larger than a traditional flight, allowing it to carry the same amount of aggregate even with the notch.

U.S. Patent No. 9,835,374

ENERGY EFFICIENCY: **RAP**

- Astec is the industry leader in RAP technology
- The Ventura is designed for up 15% RAP*
- Increased RAP capacity results in higher profits from asphalt mix sales

*at 3% moisture



POWER FLAME® CMAX BURNER

ENERGY EFFICIENCY: **BURNER**

- The CMAX burner offers state-of-the-art technology for maximum combustion efficiency and operating performance when firing all types of fuels
- Designed specifically to meet today's stringent operating requirements

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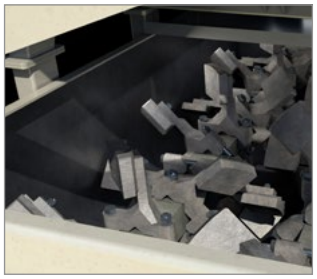
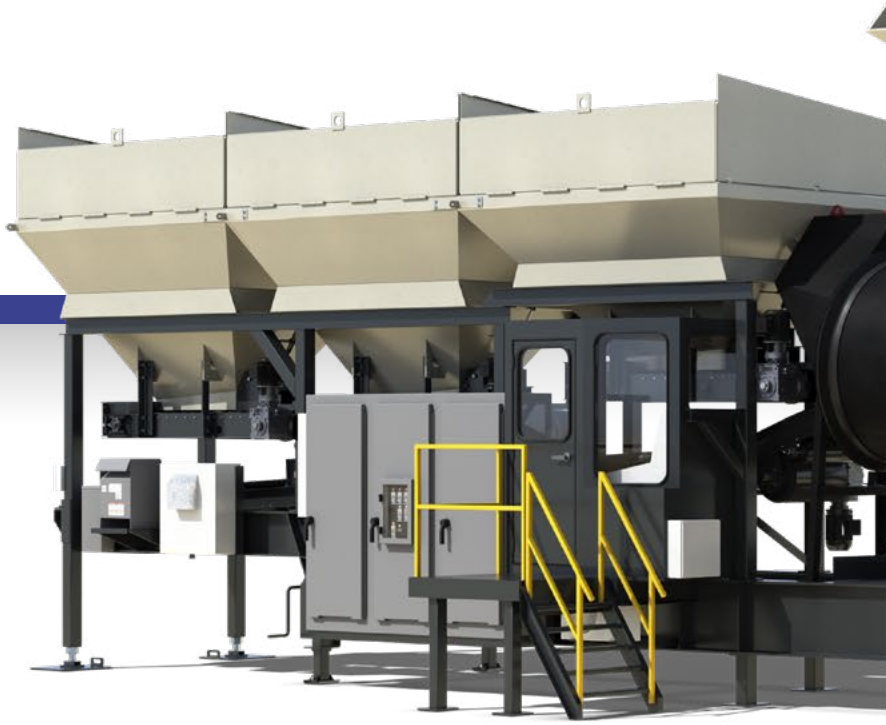
MAINTENANCE MADE EASY

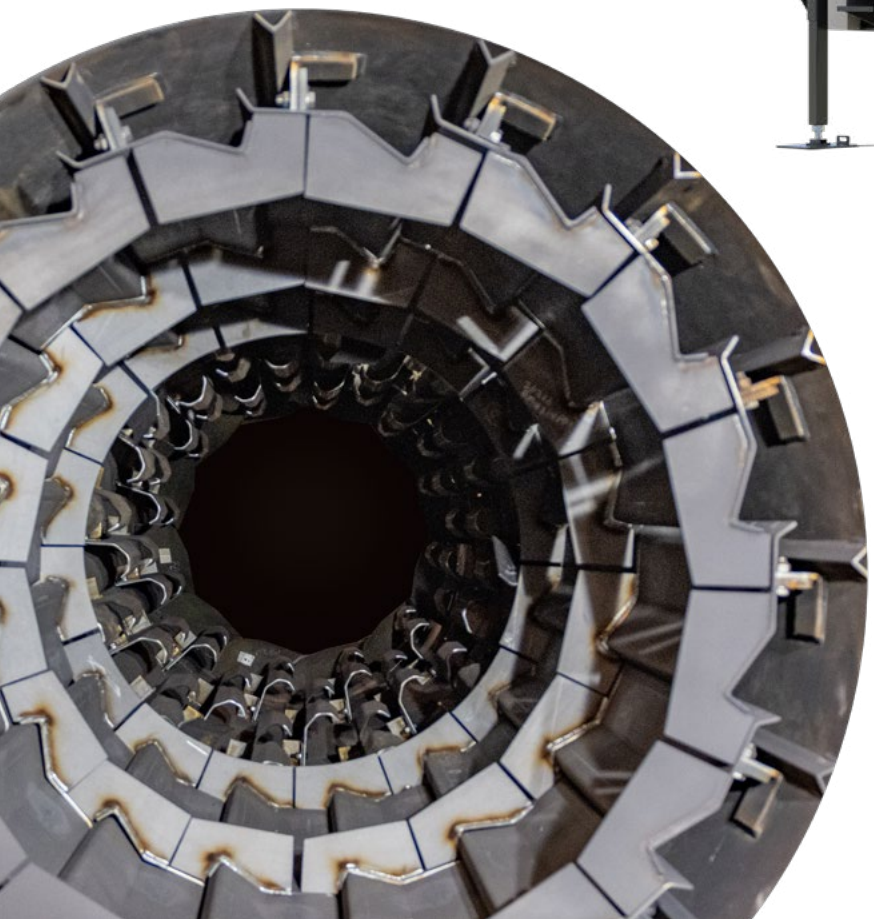
The Ventura features durable and field-proven components and materials to extend maintenance intervals, resulting in lower maintenance costs and less downtime which helps insure profitability throughout the life of the plant.



MIXER MAINTENANCE

- High-chrome, bolt-on tips with ductile iron shanks for longevity in the field
- Increased tip life reduces maintenance costs





DRUM MAINTENANCE

- Thicker materials used in the drum and flights means less maintenance and replacement parts
- Patented Astec heavy-duty v-flights require replacement less often
- Maintenance access door simplifies upkeep

BAGHOUSE MAINTENANCE

- 100% aramid bags offer significantly longer life due to aramid's heat resistance
- Variable frequency drive (VFD) controlled fan eliminates damper maintenance

DRAG MAINTENANCE

- Drag bottom can be unbolted and replaced, no need to weld on patches
- Removable drag bottom lowers maintenance costs
- Heavy-duty steel drag components extend the maintenance interval
- Robust chain and idlers increases reliability

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SPECIFICATIONS

MTPH	140 MTPH
RAP %	15% RAP (base) at 3% moisture
Drum (Diameter: m, ft)	Counter-Flow Dryer, 1.68m (5' 6") diameter
Veiling Flights	Astec V-Flights
Mixing Method	External Twin Shaft Mixer
Liquid Asphalt Injection	Twin Pump Meter
Mixer Wear Elements	High-Chrome, Bolt-On Tips with Ductile Iron Shanks
Number of Cold Feed Bins	Three Standard / Four Optional
Number of RAP Bins	Up to Two RAP Bins
Scalping Screen	NA
Filtration Technology	Premium Aramid Bags
Particulate Emission Control	Pulse Jet Baghouse 35,890 m^3/hr (21,125 ACFM), 221 bags
Primary Collector	Optional In-line Vortex Inertial Separator
Dust Handling	Optional Return All/Divert Some/Divert All
Controls	MPIII
Control House	Air Conditioned Control Cab Attached to Plant Chassis
Burner	35MBTU/Hr CMAX Total Air Burner or Optional Fury Burner
Hydraulics	NA
Load Out	NA
Weigh System	Weighing Belt Feeders
Feeder Configuration	Gravimetric
Drag Conveyor	Integrated / Folds for Transport
Batcher	Drag-Mounted Batcher
Surge Bin	Optional
Storage Silo	Optional
Drag Chain Construction	10.16 cm (4") Pinch Roller Chain
Drag Liner Material	AR400 (Standard)
Drag Maintenance	Removable Bottom
Suspension Type	Air Suspension
Available Options	Fourth Aggregate Bin, Bin Grizzlies, Bin Extensions, Filler Silo, RAP System

BUILT TO **CONNECT**

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www.astecindustries.com

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