Portable Six Pack

ASTEC

PORTABLE SIX PACK®

Hot Mix Asphalt Facility
The Six Pack Asphalt Facility Sets the Standard for Portability and Productivity.

The Astec Six Pack HMA facility, introduced in the early eighties, was the first truly portable facility available to hot mix asphalt producers and quickly became the world’s best selling portable asphalt facility.

Today Astec proudly presents the latest Six Pack portable HMA facilities. The standard setup comes with the Double Barrel\textsuperscript{®} drum mixer, cold feed, scalping screen with inclined conveyor, baghouse, surge bin, drag conveyor and control house. The baghouse load also holds the inertial dust collector. One load handles the SEB and drag conveyor. All ship complete with duct work, dust screws, electrical switch gear, cables, and plant controls. We also supply RAP bins, fuel tanks, lime mixers and AC tanks.

You have a wide range of options on these compact, maneuverable facilities including self-erecting features and a choice of tonnage capacities.

The 200 Six Pack facility, the most compact of the choices, can produce 200 tons per hour\textsuperscript{*} and has all the features of the larger models.

The 300 tons per hour\textsuperscript{*} 300 Six Pack facility uses a Double Barrel drum mixer one size smaller than the 400 model. Baghouses are sized to fit production capacities.

Our largest capacity – the 400 Six Pack facility produces 400 tons per hour.\textsuperscript{*}

\textsuperscript{*}based on 5% moisture content and sea level operating conditions
The Astec Six Pack facility is built to move. Each standard equipment load is engineered for hassle-free transporting, and a quick, easy setup at the site.

MINIMIZE MOVING HASSLES
The Six Pack facility requires minimal work to prepare for moving, it is less cumbersome to tow over highways, and it can be set up quickly at its new location. Each standard equipment load is designed for ease of setup.

GENERATE FAST PROFITS
How much more mix could you make during the season if you were up and running within three days when changing job sites? Increased uptime combined with low moving costs create the opportunity for increased asphalt plant profits with the Six Pack facility. Moving a Six Pack facility costs only about 1/10 of what it costs to move a traditional crane erected facility.

HANDES THE ROAD WITH EASE
Astec portable equipment comes with air bag suspensions. The air bags maneuver smoothly over uneven surfaces and protect components from damage caused by rough rides on the highway. The system automatically adjusts for the smoothest ride and allows height adjustments for bridge and ground clearances. Use air bags to pre-level loads before lowering the foundations to help speed setup. Compare our suspensions to others. No one else gives you a system of such quality.
The Astec Six Pack facility can be set up and operational in minimal time. And it can also be designed so a crane is unnecessary for set up.

**PRE-ASSEMBLY IS A REAL TIME SAVER**

Astec pre-assembly significantly reduces the number of hours it takes for setup. Most ladders, stairs, platforms and handrails are shipped in place. Bulkheads are pre-installed. Pre-piping and pre-wiring done at the factory cut many hours of work every time you move. Factory-installed baghouse filter bags with cages save your people from the cumbersome, time-consuming chore of installing this system themselves. Other conveniences include the scalping screen pre-installed on the inclined conveyor and the mounted and pre-wired operating consoles in the control house.

**EASY ELEVATING, LEVELING & STABILIZING**

Once they are positioned, pre-level all Astec units using the air bag suspensions. Crank-down landing gears support the loads after un-hooking from the tractor and before lowering the steel foundations. Final elevating and leveling is done with built-in hydraulic or mechanical jacks. Astec duct work and piping even allows for small alignment variations. You don’t have to deal with shims or concrete foundations for any part of the Six Pack HMA facility.

**COMPARE OUR FOUNDATIONS**

Foundations ship in place and are quickly lowered to support the equipment on compacted soil. The built-in, retractable steel foundations significantly reduce the work required to set up or break down the Six Pack facility. Even the best foundations on competitive equipment are usually crude and difficult to adjust and often require use of timbers for leveling and to increase the load bearing surface. You’ll never have those problems with the Six Pack HMA facility.
The Double Barrel drum mixer, cold feed, recycle, conveyor, baghouse, SEB and additive systems each move as complete loads. Component design makes setup easy.

**THE COLD FEED UNIT**
Pull the cold feed unit into position at the site. Lower the thick tubular steel foundations into place to support the portable cold feed unit. All belt feeders and the collecting conveyor are included. The upturned end of the collecting conveyor discharges onto a transfer conveyor feeding screen. Built-in, hinged bulkheads swing into operating position in minutes. Pre-installed, optional bin partitions and grizzlies fold down for transport.

**THE VIRGIN INCLINED CONVEYOR/SCREEN**
This unit comes with the transfer conveyor to screen, scalping screen and weigh bridge, all mounted on a single load. Hydraulics raise the conveyor, screen and chutes into operating position. The screen is supported by the main frame to isolate the weigh bridge from screen motion.

**THE RAP BINS**
The portable RAP system includes everything for metering recycled material into the mix. The system includes belt feeders, the collecting conveyor with weigh bridge, the scalping screen, the inclined conveyor to the drum, and up to four bins. The foundation plates are lowered into position and the conveyor is raised hydraulically. Just like the cold feed unit, the RAP system is equipped with built-in tubular steel foundations and bulkheads.

**THE DOUBLE BARREL® DRUM MIXER**
The Double Barrel load includes the burner, burner platform, inlet breaching and the duct transition to the primary collector. Plate foundations support the load. Built-in jacks make final leveling adjustments easy, so the Six Pack facility can start running sooner.

One load contains the complete cold feed unit.

One single load includes the transfer conveyor, screen, scalping screen and weigh bridge.

Optional two bin RAP system allows increased RAP usage with quality results.

Run higher percentages of RAP without increasing fuel consumption.
The baghouse load contains all necessary ducting. Slip joints compensate for differences in component alignment to make setup easy.

THE EXPRESS BAGHOUSE
Two low profile hoppers lower the baghouse profile and let you pass under power lines, bridges and overpasses without any trouble. The unit is supplied complete with exhaust fan, stack, and duct. The Express Baghouse is provided with an inertial dust collector. A separate cyclone is available as an option.

THE SEB (SELF-ERECTING SURGE BIN)
The SEB reduces the number of loads by combining four functions in one load: conveying, batching, weighing and storage. A thick, steel truck loading platform is part of the frame (competing bins usually need expensive concrete foundations). You also get a drag by-pass chute with a built-in bulkhead. Two large hydraulic cylinders raise the SEB into position in less than 15 minutes.

THE ADDITIVE SYSTEMS
If you use lime in your mixes, or if you need a storage device for baghouse fines, the Astec portable additive silo is your mobile solution. Systems with or without slurry systems come on a self-supporting frame and include a screw conveyor and metering device. Choose an optional hydraulic system to erect the silo easily.

The low profile design of the baghouse makes traveling easy.

The SEB combines several operations into a single unit: conveying, batching, surging, storage, truck weighing and loading.

The portable additive silo stores lime, mineral filler, or baghouse fines until required by a mix.
The Six Pack HMA facility simplifies electrical hookup. The remarkably efficient design includes pre-wiring in conduit, short cable runs and plug-in connections.

**ELECTRICAL CONNECTIONS**
All of the motors and electrical components come pre-wired from the factory. The baghouse exhaust fan, screws and air compressor arrive wired directly to the main power panel.

The drag conveyor motor wiring runs in conduit to the main power panel. Wiring to cold feed, RAP system, heaters and tanks is routed from the main power panel to a panel on each component. Cables simply plug into those panels. The power panels* are sealed and dust-tight. Control wiring for the cold feed bins and the burner require only a short cable to the junction box on the surge bin frame. These connections are also plug-in type. The control house is pre-wired in conduit to the junction box.

**SHORT CABLE TRAYS ARE EASY TO HANDLE**
We locate the main power panel and the junction box for control house wiring in the middle of the plant. This central location for the panels keeps cable runs short. The Six Pack facility has less than forty thermoplastic elastomer covered cables, which makes for fast electrical hook-up and quick packing when moving to another site. Cable trays are fitted to each load, keeping cables organized and off the ground.

Unplugging and rolling up cables, a process which can take up to a full day on competitors’ portable plants, can be done in about two hours with the Six Pack HMA facility.

*all panels are rated NEMA 3R
Built-in foundations save setup time and heavy-duty bulkheads protect equipment. The SEB eliminates the need for truck scales with load cells.

**BULKHEADS**
Save yourself the construction of separate retaining walls for loader ramps. The Six Pack plant features built-in steel bulkheads on cold feed bins and RAP bins. Bulkheads also protect your machinery from damage by loaders and they keep dirt out of belt and drive mechanisms and away from wheels and brakes. For transport, the hinged walls are quickly folded up and pinned off. You won’t have to put together the cumbersome “guardrail” type walls used on some other plants, and you won’t find any plywood bulkheads on Astec equipment. An additional bulkhead is located at the bottom of the drag conveyor by-pass chute. It makes it easier to remove accumulated material with a loader and to keep the drag by-pass area clean.

**LOAD CELLS**
Astec uses a precise, National Type Evaluation Program (NTEP) approved silo weighing system. Load cells at each corner of the SEB accurately weigh the mix, eliminating the need for truck scales.

**HEATEC TANKS**
Optional portable style Heatec Heli-Tank™ units combine a hot oil heater with a heated asphalt storage tank. Each fully insulated unit has serpentine heating coils. Liquid asphalt in the tank is heated by hot oil flowing through the coils. Numerous options are available.

Load cells ensure that hot mix asphalt is dispensed accurately.

Add optional portable Heatec asphalt tanks for reliability.