MATERIAL HANDLING



ASTEC

RADIAL STACKERS

Astec radial stackers offer versatility for today's producers. Available in standard sizes up to 42" x 150', these conveyors partner seamlessly with our full line of portable and stationary crushing, screening and material handling equipment. With incredibly easy to set up, our radial stackers will have producers moving material in no time.





1 Top-Fold Frame

An optional manual or hydraulic top-folding frame is available on stackers 80’ through 150’. Single- or double-fold options reduce load lengths for optimal portability.

2 Portability

Options such as power-fold head and tail sections, gullwing axles, air brakes and lighting packages offer quick set up and exceptional road portability.

3 Optional Electrical Control

Electrical control panels with all necessary starters and wiring are installed by our UL-certified electrical department.

4 Compatibility

Hydraulic options allow our radial stackers to be powered by other Astec equipment.

5 Quality Construction

All-jig-welded lattice frames with heavy-duty chord angles ensure a straight and reliable conveyor frame.

Conveyor Length		Conical Pile		90-Degree Stockpile		180-Degree Stockpile		270-Degree Stockpile	
Feet	Meters	Ton	Metric Ton	Ton	Metric Ton	Ton	Metric Ton	Ton	Metric Ton
80	24.38	1,700	1,870	7,261	7,987	12,822	14,104	18,382	20,220
100	30.48	3,173	3,490	13,712	15,083	24,250	26,675	34,788	38,267
125	38.1	5,975	6,573	26,060	28,666	46,145	50,760	66,230	72,853
150	45.72	10,072	11,079	44,212	48,633	78,352	86,187	112,492	123,741

Based on 100 pcf material and 37-degree angle of repose.
Stackers available in 24", 30", 36" and 42" widths.
Different capacities and options are available.

TELESCOPING CONVEYORS

Our SuperStacker® telescoping conveyor series is essential to building a desegregated stockpile and ensuring product quality. The innovative stacker design allows producers to achieve up to 30% more stockpile capacity and the patented Wizard Touch® automation system builds custom, desegregated stockpiles with increased capacity and convenience.





1 Cam-Arm Linkage

The cam-arm linkage connects the rear undercarriage to the conveyor frame with a floating connection. The cam-arm assembly maintains a constant radius from the pivot point to the axles, ensuring true radial movement and uninterrupted stockpiling. The cam-arm linkage creates a constant runway path and a wide footprint when raising and lowering the conveyor.

2 Built-In Counterweights

Our SuperStacker® conveyors feature built-in counterweights to ensure safety and continued operation at all times.

3 Gullwing Axle

The gullwing axle on the SuperStacker® conveyor allows it to transform from highway portable to operational in minutes. Hydraulically-activated, fold-down arms eliminate the need for pins or chain removal for set up.

4 Wizard Touch® Automation

Our user-friendly Wizard Touch® program prevents material segregation and degradation by stockpiling windrows of material in incremental lifts. The automated processes include radial or inline desegregated and full stockpile modes.

Model	Width		Length		Max. Capacity		270-Degree Stockpile	
	Inches	Milimeters	Feet	Centimeters	TPH	MTPH	Tons	Metric Tons
33-30130	30	762	130	3,962	500	454	95,900	87,000
33-30150	30	762	150	4,572	500	454	151,900	137,800
33-36130	36	914	130	3,962	1,000	771	95,900	87,000
33-36136LP	36	914	136	4,145	1,000	771	91,700	83,200
33-36150	36	914	150	4,572	1,000	771	151,900	137,800
33-36170	36	914	170	5,181	1,000	771	201,900	183,100
33-36190	36	914	190	5,790	1,000	771	302,000	274,000
33-42150	42	1,067	150	4,572	1,500	1,364	151,900	137,800
33-42170	42	1,067	170	5,182	1,200	1,089	200,000	181,400
33-42190	42	1,067	190	5,791	1,200	1,089	302,000	274,000

Based on 100 pcf material and 37-degree angle of repose.
Different capacities and options are available.

TRANSFER CONVEYORS

Astec designs and engineers transfer conveyors for all types of operations. Our series 40 and stackable transfer conveyors are the ideal solution for road portability or in-pit portability and are available in skid-mount or dolly-axle configurations. Channel or lattice frame overland conveyors are available to cover longer distances, eliminating the need for haul trucks.





1 Stackable Conveyors

Our stackable conveyors pack up to 480 feet of conveying power in a single truckload, perfect for highly-portable operations. Up to eight 60' conveyors fit per load. Available with numerous options to meet operational needs.

2 Roll Pack Stackables

A set of three 70' transfer conveyors with 36" or 42" belt widths is available for producers on the move. Roll pack assemblies provide for quick and easy set up and rolls apart in minutes for immediate use. Quick set up and tear-down features minimize labor costs and move times.

3 Series 40

Our easily re-locatable series 40 transfer conveyors are available with a dolly axle or skid support. The conveyor's heavy-duty truss allows for effortless movement on site.

4 Overland Systems

Our overland systems eliminate the need for costly haul trucks and provide an environmentally-friendly solution for moving product from one point to another. Our systems are custom-designed to fit any plant seamlessly.

Model	Size		Capacity		Motor
	Inches x Feet	Millimeters	TPH	MTPH	hp
Series 40T	24 x 60 – 42 x 100	610 x 18,300 – 1,070 x 30,500	250 – 1,000	230 - 910	10 - 30
Series 47 Stackables	24 x 50 – 42 x 60	610 x 15,200 – 1,070 x 18,300	250 – 1,000	230 - 910	10 - 20
Roll Pack and Roll Stack	36 x 60 – 42 x 70	910 x 18,300 - 1,070 x 21,300	750 – 1,000	680 - 910	20 - 30
Collapsible Undercarriage	36 x 60	910 x 18,300	750	680	20

FEED SYSTEMS

The seamless compatibility of our entire line of material feed products allows producers to run at peak performance and maximize the effectiveness of their operations by improving material feed points. Our feeding equipment excels at efficiently feeding portable or stationary systems and easily fits into new or existing operations.





1 Portable Feed Systems

Feed systems are road-portable and offer quick set up for producers. Numerous sizes and options are available.

2 Hopper Feeders

Hopper feeders are loaded with material, then fed material at a metered rate. Optional scalping grizzly is available.

3 Tunnel Feed Systems

A pre-fabricated tunnel provides quick installation. The heavy-duty construction ensures the system will not settle or deform. Numerous feeding options are available.

Model	Hopper Capacity		Belt Feeder		Belt Conveyor		Capacity	
	Cubic Yards	Cubic Meters	Inches x Feet	Millimeters x Meters	Inches x Feet	Millimeters x Meters	TPH	MTPH
Series 12	10	7.6	30 x 8 - 36 x 8	762 x 2,400 - 914 x 2,400	30 x 60 - 36 x 70	762 x 18,300 - 914 x 21,300	450 - 600	409 - 545
Series 900	12-20	9.2 - 15.3	30 x 14 - 42 x 18	762 x 4,300 - 1,067 – 5,500	-	-	450 - 900	409 - 818
Series 1400	20	15.3	36 x 16 - 42 x 16	914 x 4,900 - 1,067 x 4,900	30 x 60 - 36 x 80	762 x 18,300 - 914 x 24,400	500 - 750	455 - 682
Series 1900	12-20	9.2 - 15.3	30 x 8 - 30 x 12	762 x 2,400 - 762 x 3,660	36	914	-	-

TRUCK UNLOADERS

The low, 3' profile of the 48" truck unloader delivers the convenience, efficiency, ease-of-use and environmentally friendly characteristics every operation demands. The drive-over truck unloader provides an efficient solution for unloading material wherever it is needed. The low profile allows producers to build smaller earthen ramps, cutting labor needs, fuel costs and set up time.





1 Low Profile

The 3' low profile allows producers to build smaller earthen ramps, cutting labor needs, fuel costs and set-up time.

2 Compact Design

The compact design makes it easy to move to multiple locations on-site and eliminates time spent unloading, maximizing productivity.

3 Compatibility

The drive-over truck unloader pairs seemlessly with our telescoping conveyors to maximize loads, minimize fuel costs and increase profitability. Optional on-plant diesel/gen-set is available to power the conveyor.

4 Simple Setup

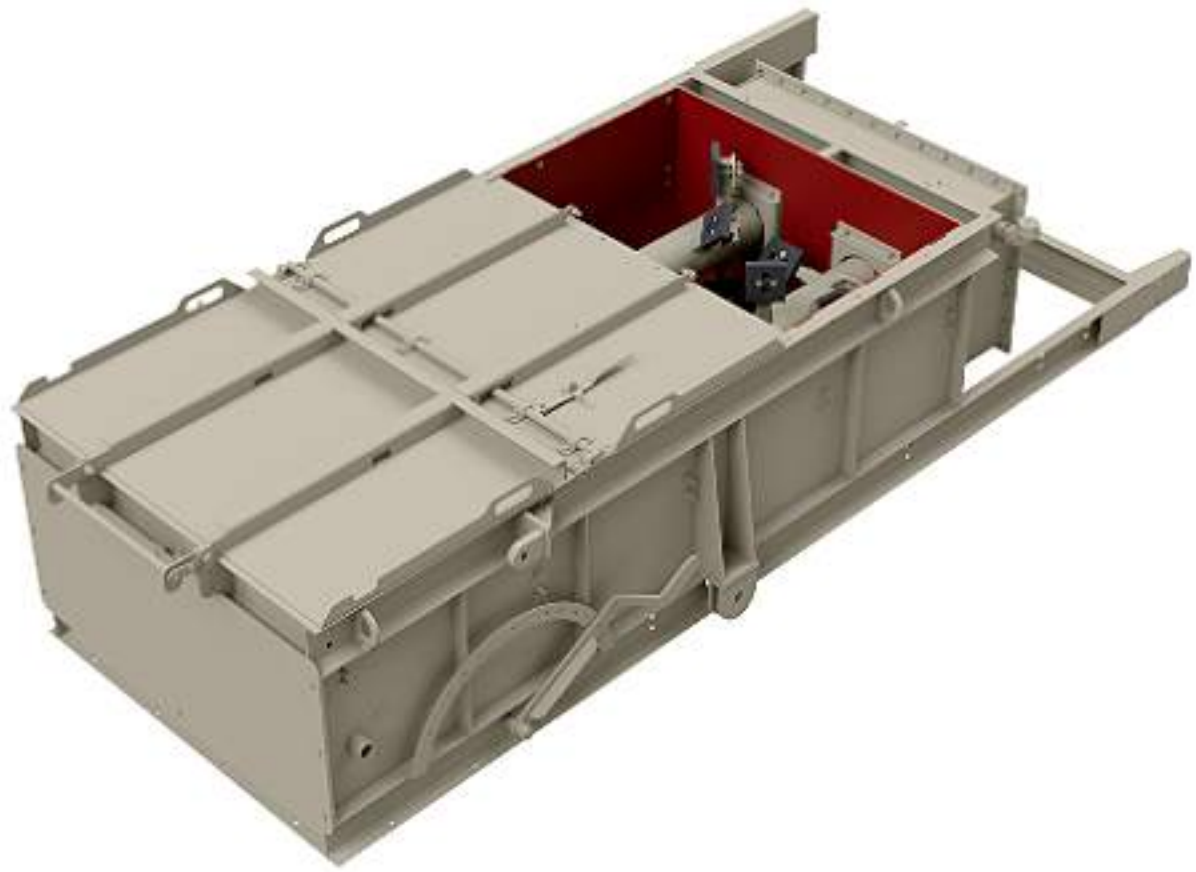
Quick and easy set up reduces labor and fuel costs.

Model	Belt Conveyor		Adjustable Discharge Height		Ramp Height		Capacity	
	Inches x Feet	Millimeters	Feet	Centimeters	Feet	Millimeters	TPH	MTPH
2148-50LP	48 x 50	1,219 x 15,240	1,219 x 15,240	7.83 x 10.75	3	914	1000	907

PUGMILLS

Astec pugmill plants provide portability with an aggressive mixing action. The continuous-mix plants include two counter-rotating shafts with paddles and timing gears to keep the mix moving at the optimal speed for the best-quality mix. Controlled blending and automatic proportioning ensure the consistent end product your operation requires. Multiple configurations of ingredient feed systems provide flexibility and ease-of-operation.





1 Adjustable Dam Gate

An adjustable dam gate is provided at the discharge end of the pugmill to ensure enough material is in the mixing zone.

2 Timed Gears/Spiral Paddle Arrangement

Using timed gears with one motor to drive both shafts allows for a unique interlocking spiral paddle arrangement; this creates a much more aggressive mixing action than competitive models that use two motors.

3 Drop-Out Bottom

The drop-out bottom opens the entire unit for a simplified cleanout and service access.

4 Applications

Applications include cement-treated base (CTB), roller-compacted concrete (RCC), cold-mix asphalt and stabilization.

5 Blending Automation

Once a mix recipe is selected, the PLC automation system will maintain the correct proportion of ingredients as the operator increases or decreases the overall blending rate.

6 Accessible and Easy-to-Use Touch Screen Controls

Real-time monitors track on-plant motor loads, blending rate and feed rate of each material. Up to five different project specific mix recipes can be stored at once.

7 Paddle Tips

The paddle tips are adjustable to accommodate varying feed material sizes with a maximum particle size of two inches. Paddle tips can be rotated 90-degrees to increase retention time in the mixing chamber. Cast Ni-hard paddle tips are reversible, resulting in lower wear costs.

Model	Pugmill Size		Motor	Primary Hopper Capacity		Secondary Hopper Capacity		Capacity	
	Inches x Feet	Centimeters	HP	Cubic Yards	Cubic Meters	Cubric Yards	Cubic Meters	TPH	MTPH
52 (Plant)	48 x 6	122 x 183	60	9	6.9	6.5	5	300	272
52S (Plant)	48 x 8	122 x 244	100	15	11.5	8	6.1	500	454
50-486	48 x 6	122 x 183	60	-	-	-	-	-	-
50-488	48 x 8	122 x 244	75	-	-	-	-	-	-
50-4810	48 x 10	122 x 305	100	-	-	-	-	-	-

STATIONARY CONVEYORS

Astec offers a streamlined design of highly-productive material handling systems. We have the right design, components, installation and support for every application, from tripper systems to loading and unloading railcars, trucks or ships.





1 Loading/Unloading Systems

Our loading and unloading systems give producers options to load and unload material by truck, rail or barge. These systems include large unloading hoppers for unloading railcars, stationary or portable truck unloaders and a variety of conveyors.

2 Tripper Conveyors

Elevated tripper conveyors maximize storage capacity on limited real estate. Astec tripper systems use a tripper cart to move along the length of the conveyor, stopping at various points along the way for stockpiling different products into bunkers.

3 Overland Conveyors

Our overland systems eliminate the need for costly haul trucks and provide an environmentally-friendly means of moving product from one point to another.

4 System Conveyors

Our heavy-duty system conveyors tie everything together for a highly-efficient operation. These conveyors are engineered to fit seamlessly with our full line of crushing, screening, washing and classifying and other material handling equipment.

5 Tunnel Reclaim

Our tunnel reclaim system maintains a continuous feed of material to the processing plant. These systems are designed to provide a surge pile of material to use in the processing side of the plants. This allows one part of the plant to operate while the other is shut down. Our pre-fabricated surge tunnels offer all-welded construction of heavy-duty steel. The vibrating feeders and tunnel conveyor are mounted in the tunnel at the manufacturing facility, making set up quick and easy.

ASTEC™

www.astecindustries.com

All specifications subject to change without notice. Products shown are representative, details may vary. Equipment show with options available at additional cost.

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