



**Astec**  
Product  
Catalogue

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# Mantrac... Your partner in action

## Mantrac is more than a supplier, we're a total solution provider

Mantrac has been an authorised Caterpillar® dealer for over 40 years, providing dependable solutions and services businesses across the globe. We continue to uphold the highest standards of quality and customer service, partnering with customers to implement integrated business solutions for increased profitability.

While focusing on specific customer needs, we offer customer value propositions that are integrated solutions. This builds lasting relationships with our customers, who recognise the quality and value of our products.

Operating in 12 countries across three continents, with onshore dealerships in Djibouti, Egypt, Ethiopia, Ghana, Iraq, Kenya, Liberia, Nigeria, Sierra Leone, Tanzania, Uganda, and in the Volga and Urals region of Russia and our offshore offices in the UK and China, we can provide the best possible tailored equipment packages for your needs.

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# Crushing

*Astec designs and manufactures a wide range of quality crushing equipment that is technology-driven and durably-designed for modern crushing operations.*

Our selection of cone crushers can reduce operating expenses by up to 50% and are engineered to deliver un-compromising productivity, safety and ease-of-maintenance for maximum uptime in coarse and fine crushing application.



KODIAK® PLUS CONE CRUSHERS

Model	Head ø		Weight		Capacity	
	in	mm	lb	kg	TPH	MTPH
K200+	40	1,016	33,500	15,196	385	349
K300+	45	1,143	45,500	20,639	460	417
K350+	48	1,219	47,975	21,761	506	459
K400+	54	1,372	58,600	26,580	625	567
K500+	60	1,524	75,500	34,247	830	753

TITAN™ CONE CRUSHERS

Model	Head ø		Weight		Capacity	
	in	mm	lb	kg	TPH	MTPH
T200	36	915	22,000	9,979	288	259
T300	44	1,120	35,800	16,239	510	462
T400	52	1,321	51,800	23,496	657	594
T500	57	1,450	75,100	34,065	840	760



Astec range of jaw crushers combine the most advanced jaw crushing technology with decades of experience and expertise. They can deliver up to 25% more tons per hour than other comparable units and offer greater uptime than competitive models.

The horizontal and vertical shaft impactors are designed with large feed opening and can produce up to 500 tons per hour. With up to 30% more uptime and 25% more production than competitive models they perform equally well in hard rock applications and in asphalt and concrete recycling operations.

#### PIONEER® JAW CRUSHERS

Model	Gap		Width		Weight		Capacity	
	in	mm	in	mm	lb	kg	TPH	MTPH
2742	27	685	42	1,067	29,500	13,381	228-300	20-272
2650	26	660	50	1,270	32,000	14,515	268-325	243-295
3055	30	762	55	1,397	50,000	22,680	502-660	455-599
3365	33	838	65	1,651	63,000	28,576	761-969	692-882



#### IRON GIANT JAW CRUSHERS

Model	Gap		Width		Weight		Capacity	
	in	mm	in	mm	lb	kg	TPH	MTPH
4448C	44	1,118	48	1,219	126,000	57,154	700 - 1,030	636 - 936
5060C	50	1,270	60	1,524	191,000	86,638	1,065 - 1,400	968 - 1,273



#### HYDRA-JAW CRUSHERS

Model	Gap		Width		Weight		Capacity	
	in	mm	in	mm	lb	kg	TPH	MTPH
2238H	22	559	38	965	22,750	10,319	220 - 370	200 - 336
3244H	32	813	44	1,118	42,100	19,097	325 - 530	295 - 481
3450H	34	863	50	1,270	61,345	27,825	456 - 688	407 - 614



#### HORIZONTAL SHAFT IMPACTORS

Model	Rotor ø		Rotor Width		Weight		Capacity	
	in	mm	in	mm	lb	kg	TPH	MTPH
2421	24	609	21	533	3,170	1,440	50	45
2430	24	609	30	762	3,500	1,590	70	64
3136	31	787	36	914	5,800	2,631	175	159
3646	36	914	46	1,168	14,000	6,350	250	227
4240	42	1,067	40	1,016	24,500	11,113	250	227
4250	42	1,067	50	1,270	28,200	12,792	300	272
5260	52	1,321	60	1,524	43,000	19,505	450	408
PA6060	59	1,500	59	1,500	61,000	27,700	600	545



#### HYBRID HORIZONTAL SHAFT IMPACTORS

Model	Diesel Power		Electric Power		Feed Size		Capacity	
	HP	kW	HP	kW	in	mm	TPH	MTPH
5054	440	336	300	224	40	1,016	500 - 900	454 - 816



#### VERTICAL SHAFT IMPACTOR

Model	Feed Tube ø		Weight		Capacity	
	in	mm	lb	kg	TPH	MTPH
1500EV	8.5	216	13,200	5,987	75 - 150	67 - 135
2500EVT	11.4	290	18,600	8,437	150 - 300	135 - 267
3500EVT	14	356	24,000	10,886	250 - 400	227 - 356
4500EVT	16	406	30,400	13,789	300 - 500	267 - 445





# Feeding & Screening

*Designed to operate in a variety of applications, including heavy-duty aggregate, concrete, asphalt and recycling, Astec designs and manufactures versatile and efficient screening, feeding and sorting equipment*

Astec screening equipment are ideal for aggregate processing, mining operations, recycled asphalt and concrete products. They are developed from extensive side-by-side testing of traditional incline and horizontal screens and deliver the quickest screen media changes in the market, unsurpassed productivity and flexibility for heavy-duty scalping and fine sizing in both wet or dry applications.

VIBRO-KING TL® INCLINE SCREENS

Models	Decks	Width		Length		Power Required		Weight		Bearing Size
		ft	mm	ft	mm	HP	kW	lb	kg	mm
3' Screens	1	3	910	6	1,830	5	4	878	398	62
4' Screens	1 - 3	4	1,220	8 - 14	2,430 - 4,270	7.5 - 15	5.5 - 11	4,310 - 8,180	1,955 - 3,710	90 - 110
5' Screens	2 - 3	5	1,520	12 - 16	3,660 - 4,880	10 - 25	7.5 - 19	5,400 - 9,730	2,449 - 4,413	90 - 110
6' Screens	3 - 3	6	1,830	16	4,880	25 - 30	19 - 22	7,660 - 10,650	3,475 - 4,831	110



VALU-KING® INCLINE SCREENS

Models	Decks	Width		Length		Power Required		Weight		Bearing Size
		ft	mm	ft	mm	HP	kW	lb	kg	mm
5' Screens	2 - 4	5	1,520	12 - 16	3,660 - 4,880	25 - 40	19 - 30	13,455 - 21,192	6,103 - 9,613	130 - 160
6' Screens	2 - 4	6	1,830	16 - 20	4,880 - 6,100	25 - 40 x 2	19 - 30 x 2	14,863 - 29,865	6,742 - 13,524	130 - 160
7' Screens	2 - 4	7	2,130	20	6,100	20 x 2 - 40 x 2	15 x 2 - 30 x 2	26,410 - 40,969	11,979 - 18,583	130 - 200
8' Screens	2 - 4	8	2,430	20 - 24	6,100 - 7,320	25 x 2 - 50	19 x 2 - 37	28,363 - 49,855	12,865 - 22,614	130 - 200
Mine Duty	2 - 3	8	2,430	20 - 24	6,100 - 7,320	25 x 2 - 40 x 2	19 x 2 - 30 x 2	31,954 - 41,613	14,494 - 18,875	160



HORIZONTAL SCREENS

Model	Speed RPM	Maximum Stroke		Maximum Feed		Size Range ft	Maximum Feed m	Decks
		In.	mm	In.	mm			
"QF" Four-Deck Screen	775 - 975	1	13	8	203	6 x 20	1.8 x 6.1	4
"LP" Low-Profile Screen	675 - 875	1	19	10	254	5 x 14 up to 8 x 24	1.5 x 4.3 up to 2.4 x 7.3	2 to 3
"MS" Medium Scalper	675 - 875	1	19	14	355	5 x 16 up to 8 x 20	1.5 x 4.9 up to 2.4 x 6.1	2 to 3
"HS" Heavy Scalper	575 - 775	1	22	18	457	5 x 14 up to 8 x 20	1.5 x 4.3 up to 2.4 x 6.1	2



COMBO SCREENS

Model	Speed RPM	Maximum Stroke		Maximum Feed		Size Range		Decks	Slope
		in	mm	in	mm	ft	m		
CS Combo	675 - 875	0.75	19	10	254	6 x 20 - 8 x 20	1.8 x 6.1 - 2.4 x 6.1	2 to 3	20°/10°/0°





#### HIGH FREQUENCY SCREENS

High Frequency Type	Speed RPM	Slope	Size Range		Decks
			ft	m	
Vari-Vibe	4,200	38° - 45°	3 x 3 up to 6 x 24	0.9 x 0.9 up to 1.8 x 7.3	1 to 4

#### GRIZZLY SCALPING SCREENS

Models	No. Decks	No. Shafts	Width		Length		Power		Bearing Size
			ft	mm	ft	mm	HP	kW	
4102-26	2	1	4	1,220	10	3,050	25	19	130
5122-32	2	1	5	1,520	12	3,660	30	22	160
5162-26-2	2	2	5	1,520	16	4,880	25x2	19x2	130
6122-32	2	1	6	1,830	12	3,660	40	30	160
6162-26-2	2	2	6	1,830	16	4,880	30x2	22x2	130
7162-32-2	2	2	7	2,130	16	4,880	30x2	22x2	160

#### DEWATERING SCREENS

Our dewatering screens can produce material with a moisture content as low as 8%

Model	Power		Capacity* (-#50 x + #325)		Capacity* (-#4 x + #150)	
	HP	kW	TPH	MTPH	TPH	MTPH
DWS 27	2 at 2.7	2 at 2.0	13	12	43	39
DWS 38	2 at 3.9	2 at 2.9	20	18	65	59
DWS 410	2 at 4.7	2 at 3.5	43	39	144	131
DWS 513	2 at 8.4	2 at 6.3	65	59	216	196
DWS 613	2 at 9.4	2 at 7.0	78	71	529	235
DWS 716	2 at 15.4	2 at 11.5	106	96	353	321
DWS 816	2 at 15.4	2 at 11.5	121	110	403	366

\*Assumes a 2.67 S.G.\*Capacities provided are estimates only. Consult factory for specific applications.

From vibrating feeders that absorb the impact of large stone, to apron feeders which control the feed rate to prevent surge loads to primary crushers, or the pan feeders for smaller material delivered by primary crusher... Astec feeders are built for various models and configurations such as straight deck and step deck.

VIBRATING GRIZZLY FEEDERS

Model	Bearing Size	Size (Width x Length)		Weight		Power	
		in x ft	mm x m	lb	kg	HP	
36 x 12	N/A	36 x 12	914 x 3.7	6,100	2,767	2 x 7.9hp Exciters	
36 x 14	N/A	36 x 14	914 x 4.3	6,700	3,039	2 x 7.9hp Exciters	
42 x 16	110	42 x 16	1,067 x 4.9	10,050	4,559	30	
42 x 18	110	42 x 18	1,067 x 5.5	11,100	5,035	30	
48 x 16	110	48 x 16	1,219 x 4.9	11,800	5,352	40	
48 x 20	110	48 x 20	1,219 x 6.1	15,600	7,076	40	
54 x 20	140	54 x 20	1372 x 6.1	17,250	7,824	50	
60 x 20	140	60 x 20	1,524 x 6.1	18,250	8,278	50	
Heavy Duty Vibrating Grizzly Feeders							
48 x 20	140	48 x 20	1,219 x 6.1	17,250	7,824	50	
54 x 20	140	54 x 20	1,372 x 6.1	25,500	11,567	60	
60 x 20	140	60 x 20	1,524 x 6.1	23,750	10,773	60	
60 x 24	140	60 x 24	1,524 x 7.3	27,500	12,474	60	
60 x 30	160	60 x 30	1,524 x 9.1	43,350	19,663	125	
66 x 30	160	66 x 30	1,676 x 9.1	46,000	20,865	125	
72 x 26	160	72 x 26	1,829 x 7.9	41,250	18,711	125	
72 x 34	160 (4-Shaft)	72 x 34	1,829 x 10.4	65,750	29,824	200	



PAN FEEDERS

Model	Electric Motor	Max Current (460v)	Size (Width x Length)		Weight		Capacity	
	HP		in	mm	lb	kg	TPH	MTPH
36 x 60	2 x 2.41	6	36 x 60	914 x 1,524	2,225	1,009	600	544
36 x 72	2 x 2.41	6	36 x 72	914 x 1,829	2,425	1,100	600	544
36 x 84	2 x 3.22	8.6	36 x 84	914 x 2,134	2,575	1,168	600	544
36 x 84 CD	2 x 3.22	8.6	36 x 84	915 x 2,134	1,200	600	600	544
42 x 60	2 x 3.22	8.6	42 x 60	1,067 x 1,524	2,375	1,077	750	680
42 x 72	2 x 3.22	8.6	42 x 72	1,067 x 1,829	2,525	1,145	750	680
42 x 84	2 x 3.22	8.6	42 x 84	1,067 x 2,134	2,675	1,213	750	680
42 x 84 CD	2 x 3.22	8.6	42 x 84	1,067 x 2,134	3,103	1,407	750	680
48 x 84	2 x 3.22	8.6	48 x 84	1,219 x 2,134	2,825	1,281	900	816
48 x 84 CD	2 x 4.02	8.6	48 x 84	1,219 x 2,134	3,410	1,547	900	816
48 x 96	2 x 4.02	9.8	48 x 96	1,219 x 2,438	2,975	1,349	900	816
48 x 96 CD	2 x 5.23	9.8	48 x 96	1,219 x 2,438	3,469	1,574	900	816
54 x 96	2 x 4.02	9.8	54 x 96	1,372 x 2,438	3,175	1,440	1,000	907



APRON FEEDERS

Model	Width		Capacity	
	in	mm	TPH	MTPH
D3	35 - 70	900 - 1,800	up to 1,500	up to 1,361
D4	35 - 70	900 - 1,800	up to 1,500	up to 1,361
D6	47 - 94	1,200 - 2,400	up to 2,000	up to 1,814
D7	59 - 118	1,500 - 3,000	up to 2,500	up to 2,268
D8	59 - 137	1,500 - 3,500	up to 5,000	up to 4,536
D9	82 - 137	2,100 - 3,500	up to 5,000	up to 4,536





# Mobile Crushing & Screening

Astec offers a broad range of mobile crushing and screening plants, including mobile cone, jaw and impactor plants, as well as a variety of mobile screening and conveying plants



## MOBILE JAW PLANTS

Model	Crusher Dimensions		Feeder Dimensions		Plant Weight	
	in	mm	in x ft	mm	lb	kg
GT125	27 x 42	686 x 1,067	40 x 14	1,016 x 4,267	81,000	36,741
FT2650	26 x 50	660 x 1,270	50 x 15	1,270 x 4,572	96,000	43,545
FT3055	30 x 55	762 x 1,397	50 x 18	1,270 x 5,486	124,000	56,245

## MOBILE VSI PLANTS

Model	Crusher Diameter		Belt Feeder		Plant Weight*	
	in	mm	in x ft	mm	lb	kg
FT2500	72	1,838	42 x 16	1,067 x 4,876	72,000	32,658

\*Plant weight listed without return conveyor

## MOBILE HSI PLANTS

Model	Crusher		Feeder		Plant Weight	
	in	mm	in x ft	mm	lb	kg
GT440CC	42 x 40	1,067 x 1,016	40 x 14	1,016 x 4,267	97,000	44,000
GT440OC	42 x 40	1,067 x 1,016	40 x 14	1,016 x 4,267	82,700	37,500
FT4250CC	42 x 50	1,067 x 1,270	50 x 15	1,270 x 4,572	112,500	51,029
FT4250OC	42 x 50	1,067 x 1,270	50 x 15	1,270 x 4,572	99,000	44,906
FT5260	52 x 60	1,321 x 1,524	50 x 18	1,270 x 5,486	125,000	56,699

## MOBILE CONE PLANTS

Model	Crusher	Belt Feeder		Plant Weight	
		in x ft	mm	lb	kg
FT200	K200+	42 x 16	1,067 x 4,876	83,000	37,648
FT300	K300+	42 x 16	1,067 x 4,876	96,000	43,548

Astec crushing & screening mobile solutions are developed to serve a variety of markets, including building and construction, landscaping, quarry operations, plant and tool hire.

The ease-of-use, ease-of-transport, versatility and flexibility of these track units make them ideal for small or large operations that require powerful equipment with a limited footprint. These plants offer up to 25% more capacity than competitive models\*, can produce up to 300 tons per hour\*\*, reduces operating expenses by up to 50%\*\*\* and deliver up to 25% more production and up to 30% more uptime than competitive models\*\*\*\*







#### MOBILE SCREEN PLANTS

Model	Screen Size		No. Decks	Plant Weight	
	ft	mm		lb	kg
GT104	4 x 9	1,219 x 2,743	2	35,000	15,876
GT165	5 x 16	1,524 x 4,877	2	75,000	34,019
GT206	6 x 20	1,829 x 6,096	2	84,000	38,102
GT145*	5 x 14	1,524 x 4,267	2 or 3	71,000	32,205
GT205*	5 x 20	1,524 x 6,096	2 or 3	82,800	37,558
FT2618V	6 x 18	1,829 x 5,486	2	62,000	28,123



#### MOBILE CONVEYORS

Model	Belt Conveyor		Plant Weight	
	in x ft	mm x m	lb	kg
GT3660	36 x 60	914 x 18.28	22,450	10,183
GT3680	36 x 80	914 x 24.38	30,865	14,000
GT3680R	36 x 80	914 x 24.38	33,070	15,000



#### RANGER™ LINE

Model	Component	Travel Length		Travel Width		Travel Height		Weight	
		ft	m	ft	m	ft	m	lb	kg
Ranger™ J20	Jaw Crusher	32	10	8	3	10	3	57,320	26,000
Ranger™ I32	Horizontal Shaft Impactor	31	9	7	2	8	3	44,100	20,000
Ranger™ C12	Cone Crusher	35	11	7	2	10	3	49,200	22,300
Ranger™ SF10	High Incline Screen	29	9	8	2	8	3	25,350	11,500
Ranger™ SS10	Direct Fed Screen	35	11	7	3	8	3	30,865	14,000
Ranger™ SS13	Direct Fed Screen	35	11	8	3	10	3	41,000	18,600
Ranger™ SRT11	Trommel Screen	34	10	8	2	11	3	36,375	16,500



# Rock Breaker & Systems

*Astec designs and manufactures industry-leading rock breaking equipment with innovative technology for aggregate, mining, construction and demolition applications.*

Astec breakers are ideal for demolition, construction or aggregate purposes and deliver speed, strength and the highest quality breaker for continuous breaking in harsh environments, concrete breaking and soft rock applications.



## CX SERIES HYDRAULIC BREAKER

Model	Operating Weight		Overall Length		Operating Pressure		Tool ø		Exposed Tool Length	
	lb	kg	in	mm	psi	bar	in	mm	in	mm
CX4	396	180	53	1,334	1,710	120	2	53	13	321
CX6	493	224	55	1,408	2,000	140	2	62	14	344
CX8	734	333	64	1,635	2,000	140	3	70	20	500

## BX SERIES HYDRAULIC BREAKERS

Model	Operating Weight		Overall Length		Operating Pressure		Tool ø		Exposed Tool Length	
	lb	kg	in	mm	psi	bar	in	mm	in	mm
BX10	948	430	71	1,800	2,000	140	3	78	18	445
BX15	1,355	615	78	1,980	2,000	140	3	85	19	465
BX20	2,050	930	88	2,225	2,300	160	4	105	21	538
BX30	2,668	1,210	97	2,455	2,450	170	5	120	27	668
BX40	3,830	1,740	109	2,760	2,450	170	5	135	27	668

## BXR SERIES HYDRAULIC BREAKERS

Model	Operating Weight		Overall Length		Operating Pressure		Tool ø		Exposed Tool Length	
	lb	kg	in	mm	psi	bar	in	mm	in	mm
BXR50C	4,200	1,910	103	2,622	2,700	186	6	140	25	635
BXR65C	4,860	2,200	112	2,863	2,700	186	6	150	26	665
BXR85C	6,500	2,950	128	3,241	2,700	186	6	160	29	745
BXR100C	7,800	3,540	134	3,400	2,700	186	7	170	30	770
BXR120C	9,200	4,170	138	3,500	2,700	186	7	180	32	810
BXR160C	12,100	5,490	155	3,943	2,700	186	8	200	37	930
BXR185D	15,660	7,100	181	4,590	2,700	186	9	221	36	913





Astec has a variety of rock breaker system models for breaking oversized material at large gyratories, grizzlies and both primary and secondary crushing applications. Designed to integrate into mobile, portable or stationary crushing plants, or at grizzly ore-pass sites, these breaker systems include boom-mounting configurations, automatic greasing packages, motor starter panels, joystick controls and easy plant integration.



ROCK BREAKER SYSTEMS

Model	Applications
MBS Series	Mobile Plant, Jaw/Impact Crusher
NTE Series	Jaw/Impact Crusher, Grizzly
MRH Series	Jaw/Impact Crusher, Grizzly, Gyratory
MRHT Series	Jaw/Impact Crusher, Grizzly, Gyratory
MRST Series	Grizzly, Gyratory
TTX Series	Gyratory



# Washing & Classifying

*Astec produces a variety of washing and classifying equipment suited for a wide range of applications and production goals.*

Astec washers offer effective scrubbing action to remove tough, plastic-soluble clays and other unwanted coatings. They are engineered with high-efficiency drives and reduced power consumption hence lowering operating costs while increasing throughput.



## LOG WASHERS

Model	Spiral ø		Capacity		Water Required	
	in	mm	TPH	MTPH	USGPM	LPM
8036-30	36	914	85-200	77-181	50-500	190-1,900
8048-30	48	1,219	125-300	113-272	100-800	380-3,030
8048-35	48	1,219	125-400	113-363	100-800	380-3,030

## COARSE MATERIAL WASHER

Model	Spiral ø		Capacity		Water Required	
	in	mm	TPH	MTPH	USGPM	LPM
6024-15S	24	610	60-75	54-68	300-400	1,135-1,515
6036-19S	36	914	150-175	137-159	400-600	1,515-2,270
6036-19T	36	914	300-350	272-318	700-900	2,650-3,405

## FINE MATERIAL WASHERS

Model	Spiral ø		Max. Ranking Capacity		Max. Overflow Capacity	
	in	mm	TPH	MTPH	USGPM	LPM
5036-25S	36	914	100	91	700	2,650
5036-25T	36	914	200	182	1,200	4,540
5044-32S	44	1,118	175	159	1,500	5,680
5044-32T	44	1,118	350	318	2,700	10,220
5054-34S	54	1,372	250	227	1,800	6,815
5054-34T	54	1,372	500	454	3,200	12,110
5060-35S	60	1,524	325	295	2,200	8,330
5060-35T	60	1,524	650	590	3,600	13,630
5066-35S	66	1,676	400	364	2,400	9,085



Our blademills are designed for seamless compatibility with producers' existing processing plants. The innovative, double-pitch flights and ribbed-paddle design efficiently convey material through the blademill to break up sticky clay and muddy clumps with extraordinary effectiveness. Almost all of the bolt-on, Ni-hard paddles and spiral flights are adjustable to best match your aggregate production needs.



#### BLADEMILLS

Model	Spiral ø		Capacity		Water Required	
	in	mm	TPH	MTPH	USGPM	LPM
6536 - 19S	36	914	150 - 175	137 - 159	100 - 200	380 - 760
6536 - 19T	36	914	300 - 350	272 - 318	175 - 350	660 - 1,320
6548 - 23S	48	1,219	200 - 250	181 - 227	125 - 250	470 - 940
6548 - 23T	48	1,219	400 - 500	363 - 454	200 - 400	760 - 1,520

Astec classifying tanks are engineered to maximize profitability. The process begins with our Spec Select® Windows-based controllers and 24-volt DC bridge design, which allow for simple control of the products, system monitoring and reporting features right from the controller. The patented design eliminates internal tank support members, creating less turbulence and more accurate settling of the feed



#### CLASSIFYING TANKS

Model	Tank Width		Tank Length		Max. Overflow Capacity	
	ft	m	ft	m	USGPM	LPM
7008-32	8	2	32	10	3,500	13,250
7010-40	10	3	40	12	5,900	22,335
7012-48	12	4	48	15	8,100	30,660
7010-40S44T	10	3	40	12	5,900	22,335
7012-48S54T	12	4	48	15	8,100	30,660



### SCREENING & WASHING PLANTS

Model	Screen Size		Fine Material Washer Size		Blademill Size	
	ft	m	in x ft	mm x m	in x ft	mm x m
1814	5 x 14 (incline)	1.5 x 4.2 (incline)	36 x 25 (Single)	914 x 7.6 (Single)	-	-
1822	6 x 16	1.8 x 4.9	36 x 25 (twin)	914 x 7.6 (twin)	-	-
1822PHB	6 x 16 (horizontal)	1.8 x 4.9 (horizontal)	36 x 25 (twin)	914 x 7.6 (twin)	24 x 12 (twin)	610 x 3.7 (twin)
1830	6 x 20	1.8 x 6.0	44 x 32 (twin)	1,118 x 9.8 (twin)	-	-
1830PHB	6 x 20 (horizontal)	1.8 x 6.0 (horizontal)	44 x 32 (twin)	1,118 x 9.8 (twin)	36 x 15 (twin)	914 x 4.6 (twin)



### WATER CLARIFICATION SYSTEMS

Astec water clarification systems accelerate the process of filtering fines from dirty water for reuse in the processing plants. These systems are designed to eliminate the need for large and expensive settling ponds by recovering up to 95% of the water that flows to the clarification system, allowing producers to use significantly less water in their systems.

- |  |                          |
|--|--------------------------|
| 1. Waste water pit and pumps           | 6. Clarified water tank  |
| 2. Static vertical settling tank       | 7. Thickened sludge tank |
| 3. Tecnoidea flocculant station        | 8. Sludge conditioning   |
| 4. Tecnoidea plate press               | 9. Chemical conditioning |
| 5. Tecnoidea water neutralization unit | 10. Dehydrated Sludge    |



### SERIES 9000 PLANTS

Astec series 9000 products are custom-engineered and built for each application, ensuring equipment performs as intended from initial commissioning through its production life. Products include classifying cyclones, dewatering screens, dewatering cyclones, pumps, attrition cells, density classifiers and sieve bend screens. Unlike some manufacturers, we focus on building customized systems that deliver the highest return for the producer. The series 9000 family of products can be used as a stand-alone system or combined with traditional systems.

### COMPLETE SYSTEMS

Our complete systems incorporate industry-leading products into a single, custom-engineered system created to your exact specifications. Our team of engineers and industry experts partner with you on everything from plant design to component manufacturing, site layout, installation and lifetime product support. Every operational requirement is taken into consideration to ensure a plant that exceeds expectations.





# Material Handling

*Astec designs and manufactures a broad range of material handling products to meet modern production goals.*

From radial stackers, telescoping and transfer conveyor, material feed system or truck unloader... Astec offer a wide range of easy to set up equipment fitting into new or existing operations. Our material handling solutions are environmentally friendly and will have producers moving material in no time. Available to cover longer distances\*, engineered to provide up to 30% more stockpile capacity\*\* or help you build smaller earthen ramps, cutting labor needs, fuel costs and set up time\*\*\*; Astec provide the ideal solutions for road portability or in-pit portability.



## RADIAL STACKERS

Conveyor Length		Conical Pile		90-Degree Stockpile		180-Degree Stockpile		270-Degree Stockpile	
ft	m	t	mt	t	mt	t	mt	t	mt
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

Model	Width		Length		Max. Capacity		270-Degree Stockpile	
	in	mm	ft	cm	TPH	MTPH	t	mt
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.

\*Stackable transfer conveyors \*\*Super Stacker® telescoping conveyor \*\*\* Truck unloader

TRANSFER CONVEYORS

Model	Size		TPH	Capacity		Motor hp
	in x ft	mm		MTPH		
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

Model	Hopper Capacity		Belt Feeder		Belt Conveyor		Capacity	
	CU yd	CU m	in x ft	mm x m	in x ft	mm x m	TPH	MTPH
Series 12	10	8	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	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

Model	Belt Conveyor		Adjustable Discharge Height		Ramp Height		Capacity	
	in x ft	mm	ft	cm	ft	mm	TPH	MTPH
2148-50LP	48 x 50	1,219 x 15,240	1,219 x 15,240	7.83 x 10.75	3	914	1,000	907

TRANSFER CONVEYOR



FEED SYSTEM



TRUCK UNLOADER



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.

PUGMILLS



Model	Pugmill Size		Motor HP	Primary Hopper Capacity		Secondary Hopper Capacity		Capacity	
	in x ft	cm		CU yd	CU m	CU yd	CU m	TPH	MTPH
52 (Plant)	48 x 6	122 x 183	60	9	7	7	5	300	272
52S (Plant)	48 x 8	122 x 244	100	15	12	8	6	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	-	-	-	-	-	-





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# Built to Connect

Sixteen brands, thousands of Innovative products, proven by a century of work. With unmatched strength from Rock to Road. Connection is at the heart of everything we do. We design and manufacture products used to build the infrastructure that physically connects the world, but the connections we make with people are what drive us forward. We were founded on innovation and a passion to help our customers succeed. It's this commitment that has driven our decision to unify as one company. ASTEC. We're simplifying the way you do business with us. We're focusing on our customers' success. And we're committed to growing as a partner to the industries we serve. At ASTEC, we are Built to Connect...