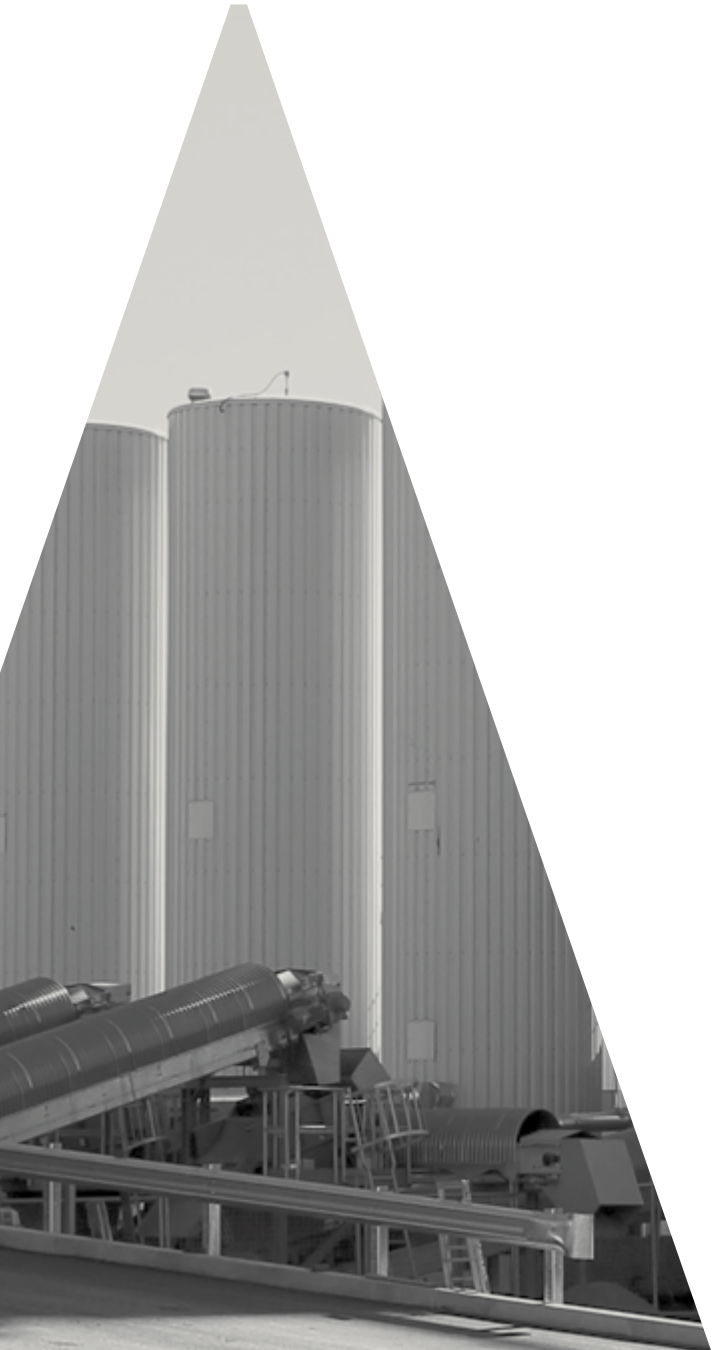
AMMANN

MIXING PLANTS

ASPHALT-MIXING PLANTS PROGRAM
FOR AMERICAS NORTH MARKET



AMMANN GROUP WORLDWIDE

NINE MANUFACTURING FACILITIES AND CENTRES OF COMPETENCE AND OVER 200 AGENCIES AND SALES PARTNERS

MACHINES

LIGHT COMPACTION

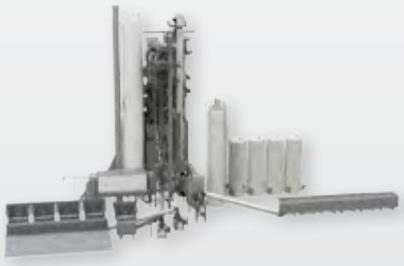
SOIL & ASPHALT COMPACTORS

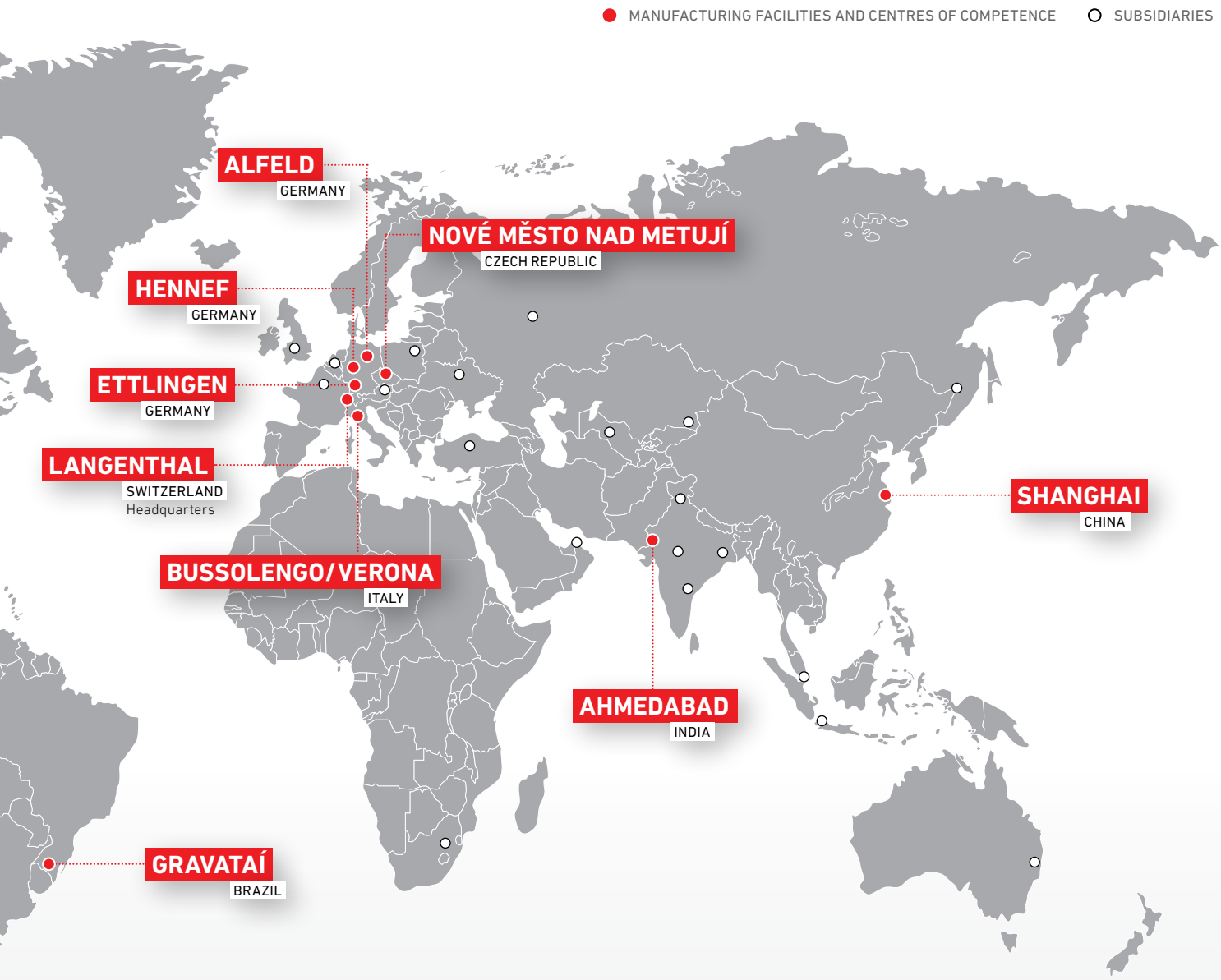
ASPHALT PAVERS

PLANTS

CONCRETE MIXING PLANTS

ASPHALT MIXING PLANTS





AN INNOVATIVE FAMILY FIRM

Ammann is a world-leading supplier of mixing plants, machines and services to the construction industry, with core expertise in road-building and transportation infrastructure. Our strengths are the forthcoming approach of a family firm that has been operating for many years, coupled with our strong and well-established international presence. Since 1869, we have been setting benchmarks in the road-building industry, thanks to countless innovations and solutions that are as competitive as they are dependable.

True to our motto, “Productivity Partnership for a Lifetime,” we gear our activities to the needs and requirements of our customers around the globe. We are aware that plants and machines that prove their merits day after day under tough operating conditions are the only way to give our customers the critical, competitive edge they need. As you would expect, we provide a well-developed service network and reliable supply of spare parts, together with support throughout the lifetimes of the plants and machines that we offer.

WHAT SETS AMMANN PLANTS APART?

FIT INTO TIGHT SPACES

Ammann plants have footprints of varied sizes, with some exceptionally small. Plants can still be productive, even in the smallest of spaces.

FORWARD THINKERS

What's the next big thing? No one can say for certain. That's why plants are engineered for easy integration of future options and technologies.

RECYCLING CONSUMER GOODS

In 2014, our ABP HRT (High Recycling Technology) plant produced mix with 99 percent recycled materials. Tires and printer cartridge toner were transformed from waste to liquid AC.

GOOD NEIGHBORS

Plants come in all sizes and shapes, including a model that looks like a building. The appearance helps the plant blend into urban areas, as do reduced noise and dust levels.

100 PERCENT RAP

ABP HRT plants can utilize 100 percent RAP. Other key plants feature parallel-flow dryers that can use up to 60 percent hot recycled material.

OPTIONS FOR EVERY NEED

Ammann plants range from affordable with no frills to premium with many options. The sizes are big, small and in between. Plants are mobile, stationary and sometimes even a little bit of both.

NO WASTE

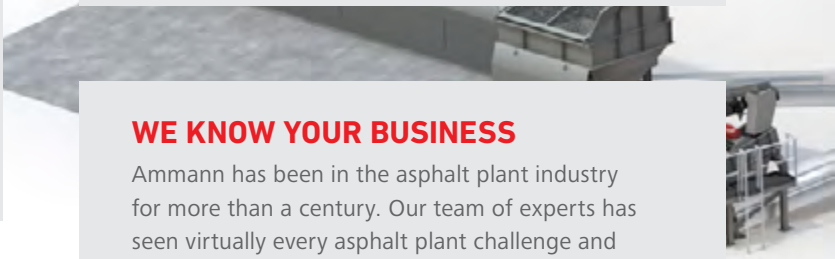
A patented green effort is the "zero waste system" used in Ammann continuous plants, which prevents the scrapping of 5.5 tons (5 metric tons) per shift.

REDUCED TRANSPORT AND INSTALLATION COSTS

When the plant arrives, plug-in components reduce costs and speed set-up. Some plants can be installed without the use of cranes or concrete foundations, another substantial cost- and time-saver.

LOCAL IF YOU LIKE

Ammann manufactures all core components but provides you the freedom to use your own local suppliers of non-critical parts and components such as silos.



WE KNOW YOUR BUSINESS

Ammann has been in the asphalt plant industry for more than a century. Our team of experts has seen virtually every asphalt plant challenge and can help you find the most effective solution.

"Ammann means asphalt-mixing plants with market-oriented solutions and customized service."

ASPHALT-MIXING PLANTS

CONSISTENT FROM START TO FINISH

Ammann offers batch and continuous plants to ensure customers have the method that works best for them. Both options provide the consistency that is crucial to your mix quality. All plant processes and components are carefully developed to ensure that feeding, heating, drying, screening and mixing seamlessly blend together. Helping integrate all the moving parts is the as1 Control System, which provides leading technology with a user-friendly interface.

ABP 240–400 HRT

PREMIUM

ABA 100–340 UNIBATCH

ADVANCED

ABT 140–180 QUICKBATCH

TRANSPORT OPTIMIZED

ACM 100–140 PRIME

MOBILE


AMMANN
AMMANN

ABP 240–400 HRT

PREMIUM BATCH ASPHALT-MIXING PLANTS

FOR PRODUCTION VOLUMES WITH LARGE PROPORTIONS OF RAP

The ABP 240–400 HRT (High Recycling Technology) plant maximizes the use of recycled asphalt and is even capable of using discarded consumables such as printer cartridge toner and tires.

The compact plant is ideal for production volumes with large proportions of recycled asphalt.

An integrated parallel drum system is positioned directly above the mixer and optimizes material flow while minimizing wear inside the recycling system.

HIGHLIGHTS

- Output of 265–440 tons/h (240–400 metric tons/h)
- Highly flexible mix maker
- Flexible and economical solution with ability to use a high percentage of RAP
- Fully integrated RAP drum to optimise material flow and wear protection
- Ability to introduce additives such as foamed bitumen, pigments and even consumer recyclables
- Wide range of equipment and components enables customization
- Infrastructure including cold feeders, drying drum and filter are enclosed and resemble a commercial building
- Reduced sound and dust levels



PLANT TYPE*	240		320–400			320–400
RECYCLING SYSTEM	**RAH60 (PARALLEL FLOW)**		**RAH60 (PARALLEL FLOW)**			**RAH-CF (COUNTER FLOW)**
MAX. RECYCLING ADDITION	60 % (combined)		60 %			80 %
NUMBER OF RECYCLING FEEDERS	As desired					
CONTENT RECYCLING FEEDERS	282 ft³, 353 ft³ or 459 ft³ 8 m³, 10 m³ or 13 m³					
TYPE RECYCLING DRYING DRUM	RT 22100 (Ø = 7'2" / L = 32'9") RT 22100 (Ø = 2.2 m / L = 10 m)		RT 25110 (Ø = 8'2" / L = 36'1") or RT 25140 (Ø = 8'2" / L = 45'11") or RT 29120 (Ø = 9'6" / L = 39'4") RT 25110 (Ø = 2.5 m / L = 11 m) or RT 25140 (Ø = 2.5 m / L = 14 m) or RT 29120 (Ø = 2.9 m / L = 12 m)			RT 29120/220 (Ø = 9'6" / L = 72'2") RT 29120/220 (Ø = 2.9 m / L = 22 m)
MAX. RECYCLING CAPACITY AT 3 % MOISTURE	132 tons/h 120 metric tons/h		165 tons/h 150 metric tons/h	198 tons/h 180 metric tons/h	231 tons/h 210 metric tons/h	209 tons/h 190 metric tons/h
MAX. RECYCLING CAPACITY AT 5 % MOISTURE	103 tons/h 94 metric tons/h		138 tons/h 126 metric tons/h	167 tons/h 152 metric tons/h	195 tons/h 177 metric tons/h	165 tons/h 150 metric tons/h
BURNER POWER OUTPUT	27.3 million Btu/h 8 MW		max. 34.1 million Btu/h max. 10 MW	max. 40.9 million Btu/h max. 12 MW	max. 47.8 million Btu/h max. 14 MW	47.8 million Btu/h 14 MW
FUELS	Natural gas, fuel oil extra light, heavy oil, brown-coal dust, wood dust					
FILTER CAPACITY	39,190 SCFM 63 000 Nm³/h	43,540 SCFM 70 000 Nm³/h	43,540 SCFM or 51,630 SCFM or 47,890 SCFM 70 000 Nm³/h or 83 000 Nm³/h or 77 000 Nm³/h			
FILTER SURFACE	8,654 ft² 804 m²	9,526 ft² 885 m²	9,526 ft² or 11,259 ft² or 12,120 ft² 885 m² or 1046 m² or 1126 m²			
BUFFER SILO RECYCLING (RAH)	33 tons, 40 tons, 2 × 22 tons 30 metric tons, 37 metric tons, 2 × 20 metric tons		22 tons, 44 tons, 2 × 33 tons 20 metric tons, 40 metric tons, 2 × 30 metric tons			
RECYCLING SCALE	3 tons 1,700 lbs 3.5 metric tons		4 tons 1,900 lbs 4.5 metric tons			

NUMBER OF COLD FEEDERS	As desired					
CONTENT COLD FEEDERS	264 ft³, 353 ft³, 423 ft³ or 529 ft³ 7.5 m³, 10 m³, 12 m³ or 15 m³					
TYPE DRYING DRUM	T 2390 (Ø = 7'6" / L = 29'6") T 2390 (Ø = 2.3 m / L = 9 m)	T 25100 (Ø = 8'2" / L = 32'9") T 25100 (Ø = 2.5 m / L = 10 m)	T 2390 (Ø = 7'6" / L = 29'6") or T 25100 (Ø = 8'2" / L = 32'9") or T 27110 (Ø = 8'10" / L = 36'1") T 2390 (Ø = 2.3 m / L = 9 m) or T 25100 (Ø = 2.5 m / L = 10 m) or T 27110 (Ø = 2.7 m / L = 11 m)			
MAX. DRYING CAPACITY AT 3 % MOISTURE	276 tons/h 251 metric tons/h	369 tons/h 335 metric tons/h	276 tons/h 251 metric tons/h		369 tons/h 335 metric tons/h	400 tons/h 363 metric tons/h
MAX. DRYING CAPACITY AT 5 % MOISTURE	219 tons/h 199 metric tons/h	291 tons/h 264 metric tons/h	219 tons/h 199 metric tons/h		291 tons/h 264 metric tons/h	316 tons/h 287 metric tons/h
BURNER POWER OUTPUT	max. 61.4 million Btu/h max. 18 MW	max. 81.9 million Btu/h max. 24 MW	max. 61.4 million Btu/h max. 18 MW		max. 81.9 million Btu/h max. 24 MW	max. 88.7 million Btu/h max. 26 MW
FUELS	Natural gas, fuel oil extra light, heavy oil, brown-coal dust, wood dust					
TYPE SCREEN	VA-2050	VA-2050-S	APS-2060-S or APS-2060 NGS			
SCREENING	5- or 6-fraction					
SCREEN SURFACE	43.3 yd² (5-fraction) or 51.9 yd² (6-fraction) 36.2 m² (5-fraction) or 43.4 m² (6-fraction)		51.4 yd² (5-fraction) or 62.2 yd² (6-fraction) 43 m² (5-fraction) or 52 m² (6-fraction)			
HOT AGGREGATE SILO	71 tons or 99 tons or 126 tons, 1-row 65 metric tons or 90 metric tons or 115 metric tons, 1-row		132 tons or 220 tons, 1-row or 2-row / 330 tons 2-row 120 metric tons or 200 metric tons, 1-row or 2-row / 300 metric tons 2-row			
AGGREGATE SCALE	10,251 lbs 4650 kg		12,125 lbs 5500 kg			
FILLER SCALE	881 lbs 400 kg		1,984 lbs 900 kg			
BITUMEN SCALE	800 lbs 363 kg		1,146 lbs 520 kg			
MIXER SIZE / CONTENT	4 tons 818 lbs 4 metric tons		5 tons 1,023 lbs, option: 4 tons 818 lbs, 6 tons 1,227 lbs 5 metric tons, option: 4 metric tons, 6 metric tons			
MAXIMUM MIXING CAPACITY	352 tons/h 320 metric tons/h		352 tons/h (4 tons 818 lbs), 440 tons/h (5 tons 1,023 lbs), 529 tons/h (6 tons 1,227 lbs) 320 metric tons/h (4 metric tons), 400 metric tons/h (5 metric tons), 480 metric tons/h (6 metric tons)			
COLD RECYCLING ADDITION AT 3 % MOISTURE	Up to 25 % RAC addition directly into the mixer					
COLD RECYCLING SCALE	Weigh belt					
COLD RECYCLING SILO	5 tons 1,023 lbs 5 metric tons/h		2 tons 409 lbs (at 22 tons RAH buffer silo) or 5 tons 1,023 lbs (at 44 tons RAH buffer silo) 2 metric tons (at 20 metric tons RAH buffer silo) or 5 metric tons (at 40 metric tons RAH buffer silo)			
HOT MIX STORAGE SILO / COMPARTMENTS	220 tons in 4 c. Available expansions: 330 tons in 6 c. 200 metric tons in 4 c. Available expansions: 300 metric tons in 6 c.		440 tons in 4 c. Available expansions: 661 tons in 6 c., 881 tons in 8 c. or 1,102 tons in 10 c. 400 metric tons in 4 c. Available expansions: 600 metric tons in 6 c., 800 metric tons in 8 c. or 1000 metric tons in 10 c.			
BINDING AGENT SUPPLY	E-Bit, vertical configurations, 15,850 U.S. gal, 21,135 U.S. gal, 26,420 U.S. gal, also divided tanks available. E-Bit, vertical configurations, 60 m³, 80 m³, 100 m³, also divided tanks available.					
FILLER SUPPLY	According to customer's wishes: filler towers Ø = 10'6" or Ø = 12'5" in different desired configurations. According to customer's wishes: filler towers Ø = 3200 or Ø = 3800 in different desired configurations.					

*Hot mix production capacity based on following conditions: 10 % bitumen and filler addition, input moisture of aggregates 5 %, aggregate temperature increase 347 °F (175 K) and 0/2 fraction share max. 40 % | Mixing cycles 80 per hour.

ABA 100–340 UNIBATCH

ADVANCED BATCH ASPHALT-MIXING PLANTS

OPTIMIZED WITH CUTTING-EDGE TECHNOLOGY

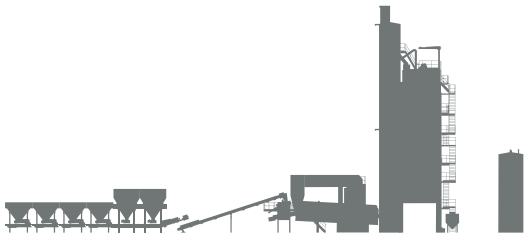
Versatility makes ABA 100–340 UniBatch one of the most popular Ammann plants. The plant is among the lower-cost alternatives and is easy to operate and maintain. It also is known for its reliability.

ABA 100–340 UniBatch offers more flexibility than some other plants. It is easily customizable and often involves on-site Ammann engineering to ensure the potential of the plant is fully realized. Its layout is flexible and the plant is adaptable as a start-up or is easily integrated into existing sites.

HIGHLIGHTS

- Wide output range from 111–376 tons/h (100–340 metric tons/h)
- Maximum customization options combined with top performance and economic efficiency
- Designed for worldwide use, with mixing tower modules providing ease of transport
- Robust, tried-and-tested technology
- Optional feed for additives such as dye pigment, fibers and Ammann Foam
- Can be fitted and extended with numerous options
- Engineered for easy integration of future options and technologies

STANDARD

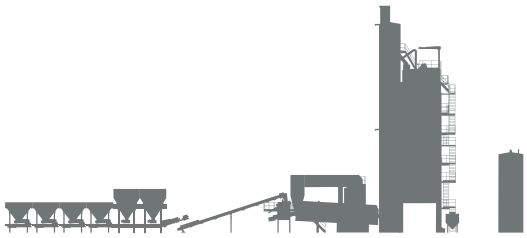


PLANT TYPE*	140	180	210	240	260	300	340
CONTINUAL PLANT CAPACITY AT 3 % MOISTURE	155 tons/h 140 metric tons/h	199 tons/h 180 metric tons/h	232 tons/h 210 metric tons/h	265 tons/h 240 metric tons/h	288 tons/h 260 metric tons/h	332 tons/h 300 metric tons/h	376 tons/h 340 metric tons/h
CONTINUAL PLANT CAPACITY AT 5 % MOISTURE	134 tons/h 121 metric tons/h	186 tons/h 168 metric tons/h	186 tons/h 168 metric tons/h	207 tons/h 187 metric tons/h	240 tons/h 217 metric tons/h	267 tons/h 241 metric tons/h	288 tons/h 260 metric tons/h
NUMBER OF COLD FEEDERS	As desired						
CONTENT COLD FEEDERS	265 ft^3, 350 ft^3, 424 ft^3 or 530 ft^3 7.5 m^3, 10 m^3, 12 m^3 or 15 m^3						
TYPE DRYING DRUM	T 1870 (Ø = 5'11" / L = 22'11") T 1870 (Ø = 1.8 m / L = 7 m)	T 2080 (Ø = 6'6" / L = 26'3") T 2080 (Ø = 2.0 m / L = 8 m)		T 2390 (Ø = 7'6" / L = 29'6") T 2390 (Ø = 2.3 m / L = 9 m)		T 25100 (Ø = 8'2" / L = 36'1") T 25100 (Ø = 2.5 m / L = 10 m)	
BURNER POWER OUTPUT	34.1 million Btu/h 10 MW	47.8 million Btu/h 14 MW		54.6 million Btu/h 16 MW	61.4 million Btu/h 18 MW	68.2 million Btu/h 20.0 MW	81.9 million Btu/h 24 MW
FUELS	Natural gas, LPG, light oil, heavy oil, brown-coal dust (BCD), wood dust* (*only with T 27110)						
FILTER CAPACITY AFA G5	17,420 SCFM 28 000 Nm^3/h	23,010 SCFM 37 000 Nm^3/h	27,370 SCFM 44 000 Nm^3/h	31,100 SCFM 50 000 Nm^3/h	35,450 SCFM 57 000 Nm^3/h	39,190 SCFM 63 000 Nm^3/h	43,540 SCFM 70 000 Nm^3/h
FILTER SURFACE AFA G5	3,735 ft^2 347 m^2	5,199 ft^2 483 m^2	6,060 ft^2 563 m^2	6,932 ft^2 644 m^2	7,793 ft^2 724 m^2	8,654 ft^2 804 m^2	9,526 ft^2 885 m^2
TYPE SCREEN	VA 1536	VA 1536 S	VA 1840	VA 1840 S	VA 1840 S	VA 2050	VA 2050 S
SCREENING	4- or 5-fraction		5- or 6-fraction				
SCREEN SURFACE	161–215 ft^2 15–20 m^2		291–355 ft^2 27–33 m^2			388–463 ft^2 36–43 m^2	
HOT AGGREGATE SILO 1-ROW	Basic module: 32 tons Additional module 26.5 tons (total max. 58.6 tons) Basic module: 29 metric tons Additional module 24 metric tons (total max. 53 metric tons)		Basic module: 39.8 tons Additional module 27.6 + 27.6 tons (total max. 95.1 tons) Basic module: 36 metric tons Additional module 25 + 25 metric tons (total max. 86 metric tons)			Basic module: 44.2 tons Additional module 27.6 + 27.6 + 27.6 tons (total max. 1105.2 tons) Basic module: 40 metric tons Additional module 25 + 25 + 25 metric tons (total max. 115 metric tons)	
AGGREGATE SCALE	5,510 lbs 2500 kg		9,160 lbs 4155 kg			10,250 lbs 4650 kg	
FILLER SCALE	660 lbs 300 kg		1,010 lbs 456 kg			1,120 lbs 510 kg	
BITUMEN SCALE	440 lbs 200 kg		580 lbs 264 kg			800 lbs 363 kg	
MIXER SIZE / MAX. CONTENT**	1.88 tons 1.7 metric tons	2.43 tons 2.2 metric tons	3.65 tons 3.3 metric tons			4.76 tons 4.3 metric tons	
MAX. MIXER CAPACITY	160 tons/h 145 metric tons/h	207 tons/h 187 metric tons/h	310 tons/h 280 metric tons/h			404 tons/h 365 metric tons/h	
BINDING AGENT SUPPLY	E-Bit, horizontal or vertical configurations, 15,850 US gal, 2,1133 US gal, 26,417 US gal, also divided tanks available. Option: hot oil heated tanks E-Bit, horizontal or vertical configurations, 60 m^3, 80 m^3, 100 m^3, also divided tanks available. Option: hot oil heated tanks						
FILLER SUPPLY	According to customer's wishes: reclaimed and imported filler silos or filler towers in different desired configurations						
HOT MIX STORAGE SILO / COMPARTMENTS	Standard: 44.2 or 33.2 tons (2 c.) Option: outlet doors can be either in line or at 90° Option under tower: +77.42 tons (2 c.) with 1.95 in isolation up to 3 in line silos with flat skip; or simplified version 49.8 or 33.2 tons (1 c.) with 1.95 in isolation as optional. Option lateral with skip: 68.6 tons (1 c.); or 69.7 tons (2 c.) + extension 54.2 tons (2 c.) Standard: 40 or 30 metric tons (2 c.) Option: outlet doors can be either in line or at 90° Option under tower: +70 metric tons (2 c.) with 50 mm isolation up to 3 in line silos with flat skip; or simplified version 45 metric tons or 30 metric tons (1 c.) with 50 mm isolation as optional. Option lateral with skip: 62 metric tons (1 c.); or 63 metric tons (2 c.) + extension 49 metric tons (2 c.)						
RECYCLING ADDITION UP TO 30 %	Recommendation: RAC directly into the mixer Alternative: RAC into hot elevator or via ring into the RAH50 drum						
RECYCLING ADDITION UP TO 40 %	Up to 40 % with recycling drum RAH50, up to 55 % with 40 % via ring + 15 % RAC into the mixer, or up to 60 % via parallel drum system						

*Hot mix production capacity based on following conditions: 10 % bitumen and filler addition, input moisture of aggregates 3 %, aggregate temperature increase 347 °F (175 K) and 0/2 fraction share max. 40 % | Mixing cycles 85 per hour.

** The improved addition of filler and bitumen into the mixer increases mix efficiency of 85 batches per hour.

PERFORMANCE



PLANT TYPE*	100P	140P	180P	210P	240P	260P	300P	320P
CONTINUAL PLANT CAPACITY AT 3 % MOISTURE	111 tons/h 100 metric tons/h	134 tons/h 140 metric tons/h	199 tons/h 180 metric tons/h	254 tons/h 230 metric tons/h	288 tons/h 260 metric tons/h	288 tons/h 260 metric tons/h	332 tons/h 300 metric tons/h	387 tons/h 350 metric tons/h
CONTINUAL PLANT CAPACITY AT 5 % MOISTURE	134 tons/h 121 metric tons/h	186 tons/h 168 metric tons/h	207 tons/h 187 metric tons/h	240 tons/h 217 metric tons/h	267 tons/h 241 metric tons/h	332 tons/h 300 metric tons/h	332 tons/h 300 metric tons/h	355 tons/h 321 metric tons/h
NUMBER OF COLD FEEDERS	As desired							
CONTENT COLD FEEDERS	265 ft^3, 350 ft^3, 424 ft^3 or 530 ft^3 7.5 m^3, 10 m^3, 12 m^3 or 15 m^3							
TYPE DRYING DRUM	T 1870 (Ø = 5'11" / L = 22'11") T 1870 (Ø = 1.8 m / L = 7 m)	T 2080 (Ø = 6'6" / L = 26'3") T 2080 (Ø = 2.0 m / L = 8 m)	T 2390 (Ø = 7'6" / L = 29'6") T 2390 (Ø = 2.3 m / L = 9 m)		T 25100 (Ø = 8'2" / L = 36'1") T 25100 (Ø = 2.5 m / L = 10 m)		T 27110 (Ø = 8'10" / L = 36'1") T 27110 (Ø = 2.7 m / L = 11 m)	
BURNER POWER OUTPUT	34.1 million Btu/h 10 MW	47.8 million Btu/h 14 MW	54.6 million Btu/ 16 MW	61.4 million Btu/h 18 MW	68.2 million Btu/h 20 MW	81.9 million Btu/h 24 MW	81.9 million Btu/h 24 MW	88.7 million Btu/h 26 MW
FUELS	Natural gas, LPG, light oil, heavy oil, brown-coal dust (BCD), wood dust* (*only with T 27110)							
FILTER CAPACITY AFA-G5	17,420 SCFM 28 000 Nm^3/h	23,010 SCFM 37 000 Nm^3/h	31,100 SCFM 50 000 Nm^3/h	35,450 SCFM 57 000 Nm^3/h	39,190 SCFM 63 000 Nm^3/h	43,540 SCFM 70 000 Nm^3/h	51,630 SCFM 83 000 Nm^3/h	55,980 SCFM 90 000 Nm^3/h
FILTER SURFACE AFA-G5	3,735 ft^2 347 m^2	5,199 ft^2 483 m^2	6,932 ft^2 644 m^2	7,793 ft^2 724 m^2	8,654 ft^2 804 m^2	9,526 ft^2 885 m^2	11,259 ft^2 1046 m^2	12,120 ft^2 1126 m^2
TYPE SCREEN	VA 1230	VA 1536	VA 1536 S	VA 1840	VA 1840 S	VA 1840 S	VA 2050	VA 2050 S
SCREENING	4-fraction	4- or 5-fraction		5- or 6-fraction				
SCREEN SURFACE	140 ft^2 13 m^2	161–215 ft^2 15–20 m^2		291–355 ft^2 27–33 m^2			388–463 ft^2 36–43 m^2	
HOT AGGREGATE SILO 1-ROW	Basic module: 32 tons Additional module 26.5 tons (total max. 58.6 tons) Basic module: 29 metric tons Additional module 24 metric tons (total max. 53 metric tons)			Basic module: 39.8 tons Additional module 27.6 + 27.6 tons (total max. 95.1 tons) Basic module: 36 metric tons Additional module 25 + 25 metric tons (total max. 86 metric tons)			Basic module: 44.2 tons Additional module 27.6 + 27.6 + 27.6 tons (total max. 1,105.2 tons) Basic module: 40 metric tons Additional module 25 + 25 + 25 metric tons (total max. 115 metric tons)	
AGGREGATE SCALE	5,510 lbs 2500 kg			9,160 lbs 4155 kg			10,250 lbs 4650 kg	
FILLER SCALE	660 lbs 300 kg			1,010 lbs 456 kg			1,120 lbs 510 kg	
BITUMEN SCALE	440 lbs 200 kg			580 lbs 264 kg			800 lbs 363 kg	
MIXER SIZE / MAX. CONTENT**	1.33 tons 1.2 metric tons	1.88 tons 1.7 metric tons	2.43 tons 2.2 metric tons	3.65 tons 3.3 metric tons			4.76 tons 4.3 metric tons	
MAX. MIXER CAPACITY	113 tons/h 102 metric tons/h	160 tons/h 145 metric tons/h	207 tons/h 187 metric tons/h	310 tons/h 280 metric tons/h			404 tons/h 365 metric tons/h	
BINDING AGENT SUPPLY	E-Bit, horizontal or vertical configurations, 15,850 US gal, 2,1133 US gal, 26,417 US gal, also divided tanks available. Option: hot oil heated tanks E-Bit, horizontal or vertical configurations, 60 m^3, 80 m^3, 100 m^3, also divided tanks available. Option: hot oil heated tanks							
FILLER SUPPLY	According to customer's wishes: reclaimed and imported filler silos or filler towers in different desired configurations							
HOT MIX STORAGE SILO / COMPARTMENTS	Standard: 44.2 or 33.2 tons (2 c.) Option: outlet doors can be either in line or at 90° Option under tower: +77.42 tons (2 c.) with 1.95 in isolation up to 3 in line silos with flat skip; or simplified version 49.8 or 33.2 tons (1 c.) with 1.95 in isolation as optional. Option lateral with skip: 68.6 tons (1 c.); or 69.7 tons (2 c.) + extension 54.2 tons (2 c.) Standard: 40 or 30 metric tons (2 c.) Option: outlet doors can be either in line or at 90° Option under tower: +70 metric tons (2 c.) with 50 mm isolation up to 3 in line silos with flat skip; or simplified version 45 metric tons or 30 metric tons (1 c.) with 50 mm isolation as optional. Option lateral with skip: 62 metric tons (1 c.); or 63 metric tons (2 c.) + extension 49 metric tons (2 c.)							
RECYCLING ADDITION UP TO 30 %	Recommendation: RAC directly into the mixer Alternative: RAC into hot elevator or via ring into the RAH50 drum							
RECYCLING ADDITION UP TO 40 %	Up to 40 % with recycling drum RAH50, up to 55 % with 40 % via ring + 15 % RAC into the mixer, or up to 60 % via parallel drum system							

*Hot mix production capacity based on following conditions: 10 % bitumen and filler addition, input moisture of aggregates 3 %, aggregate temperature increase 347 °F (175 K) and 0/2 fraction share max. 40 % | Mixing cycles 85 per hour.

** The improved addition of filler and bitumen into the mixer increases mix efficiency of 85 batches per hour.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ABT 140–180 QUICKBATCH

TRANSPORT OPTIMIZED BATCH ASPHALT-MIXING PLANTS

INTERNATIONAL TRANSPORTATION EFFICIENCIES

The ABT 140–180 QuickBatch plant is engineered for easy, cost-effective transportation and installation while still offering benefits typically associated with stationary facilities.

ABT 140–180 QuickBatch's international transporting efficiencies are built around the "container principle" logistics concept. Containers cost less to transport, and the methods for shipping them are more easily available – factors that can generate substantial cost savings, especially if a plant is repeatedly relocated.

Key core components, including dryer/filter units and mixing tower modules, utilize housings that also serve as certified transport containers. The components are built as 20' or 40' units, the most common container sizes. When it's time to move, the components are simply loaded onto the transport vehicle. The entire plant is contained in 10 units.

Precision separates ABT 140–180 QuickBatch from most container plants. ABT 140–180 QuickBatch strictly adheres to international standards, helping plant owners avoid complications and ensuring all sea, land and train size requirements are met.

HIGHLIGHTS

- Output 134–199 tons/h (140–180 metric tons/h)
- Low transport costs due to the "container principle"
- Containers precisely match international standards to avoid transport complications
- Minimal packing/unpacking when relocating
- Reduced site development costs because the plant does not require a concrete foundation
- Lower installation costs because highly functional individual modules are linked via intelligent interfaces
- Provides every full-scale stationary mixing plant advantage in terms of output, performance and space requirements

PLANT TYPE*	140	180
CONTINUAL PLANT CAPACITY AT 3 % MOISTURE	134 tons/h 140 metric tons/h	199 tons/h 180 metric tons/h
CONTINUAL PLANT CAPACITY AT 5 % MOISTURE	123 tons/h 111 metric tons/h	154 tons/h 140 metric tons/h
NUMBER OF COLD FEEDERS	No. 4 in standart version (additonal feeders on request)	
COLD FEEDERS CAPACITY	265 ft^3 each 7.5 m^3 each	
DRYING DRUM TYPE	T 1870 (Ø = 5'11" / L = 22'11") T 1870 (Ø = 1.8 m / L = 7 m)	T 2080 (Ø = 6'7" / L = 26'3") T 2080 (Ø = 2 m / L = 8 m)
BURNER POWER OUTPUT	34.1 million Btu/h 10 MW	47.8 million Btu/h 14 MW
FUELS	Natural gas, LPG, light oil, heavy oil	
FILTER CAPACITY AFA	18,040 SCFM 29 000 Nm^3/h	27,370 SCFM 44 000 Nm^3/h
FILTER SURFACE AFA	4,090 ft^2 380 m^2	5,167 ft^2 480 m^2
SCREEN TYPE	VA 1536	VA 1536 S
SCREENING	4- or 5-fractions	
SCREEN SURFACE	17.9 yd^2–23.9 yd^2 15–20 m^2	
HOT AGGREGATE SILO 1-ROW	Basic module: 28.8 tons Additional module: 48.7 tons (total max. 77.4 tons) Basic module: 26 metric tons Additional module: 44 metric tons (total max. 70 metric tons)	
AGGREGATES SCALE	5,510 lbs 2500 kg	
FILLER SCALE	660 lbs 300 kg	
BITUMEN SCALE	440 lbs 200 kg	
MIXER SIZE / CONTENT	1.9 tons 1.7 metric tons	2.4 tons 2.2 metric tons
BINDING AGENT SUPPLY	Eco-Bit box tanks, horizontal configuration	
FILLER SUPPLY	Reclaimed and imported filler silos	
HOT MIX STORAGE SILO / COMPARTMENTS	Standard direct loading from mixer. Option 35.4 tons; 640 ft^3 Standard direct loading from mixer. Option 32 metric tons; 18 m^3	
RECYCLING ADDITION UP TO 30 %	RAC directy into the mixer	

*Hot mix production capacity based on following conditions: 10 % bitumen and filler addition, input moisture of aggregates 3 %, aggregate temperature increase 347 °F (175 K) and 0/2 fraction share max. 40 % | Capacity figures subject to ± 10 % variation.

ACM 100–140 PRIME

MOBILE CONTINUOUS ASPHALT-MIXING PLANTS

FLEXIBLE, PURE AND SIMPLE

The ACM 100 and 140 Prime are the highly mobile versions of the successful Ammann continuous asphalt mixing plants.

The plants maintain key features and benefits of other Ammann plants, including the innovative as1 Control System and tried and tested core components. A special feature of the plants is a controllable outlet gate that enables the filling height and therefore the mixing time to be set depending on recipe and output.

HIGHLIGHTS

- Output 110–154 tons/h (100–140 metric tons/h)
- Highly mobile, compact plants
- Excellent mixing performance and quality
- Clearly separated heating and mixing processes
- Additives such as fibers and Ammann Foam can be introduced far from the heat source
- Mixing time can be adjusted based on recipe and capacity

PLANT TYPE*	100	140
CONTINUAL PLANT CAPACITY AT 3 % MOISTURE	110 tons/h 100 metric tons/h	154 tons/h 140 metric tons/h
CONTINUAL PLANT CAPACITY AT 5 % MOISTURE	88 tons/h 80 metric tons/h	132 tons/h 120 metric tons/h
NUMBER OF COLD FEEDERS	Standard: 3 | + option	
CONTENT COLD FEEDERS	3 × 246,4 ft^3 | option: 3 × 352 ft^3 3 × 7 m^3 | option: 3 × 10 m^3	
TYPE DRYING DRUM	T 1650 (Ø = 5'3" / L = 16'5") T 1650 (Ø = 1.6 m / L = 5 m)	T 1860 (Ø = 5'11" / L = 19'8.2") T 1860 (Ø = 1.8 m / L = 6 m)
BURNER POWER OUTPUT	23.9 million Btu/h 7 MW	31.7 million Btu/h 9.3 MW
FUELS	Fuel oil extra light, heavy oil | option: gas	
FILTER CAPACITY	12,948 SCFM 22 000 Nm^3/h	17,657 SCFM 30 000 Nm^3/h
FILTER SURFACE	2,852 ft^2 265 m^2	3,552 ft^2 330 m^2
AGGREGATE SCALE	Belt scale in each dosing conveyor belt	
BITUMEN SCALE	Volumetric | option: massflow system	
TYPE MIXER	Amix twin-shaft paddle mixer with mix dwell time for filling level	
MIXER SIZE / CONTENT	1 ton 0.9 metric tons	1.68 tons 1.5 metric tons
NUMBER OF AGITATOR PLANES	10	
CONTROL SYSTEM	as1Push	
COLD RECYCLING ADDITION UP TO 20 %	–	Directly into the mixer
TRANSPORT DIMENSIONS WITHOUT TRUCK	Overall length 71'3" (21.7 m) Length (from kingpin) 61'1" (18.6 m) Width 10'6" (3.2 m) | Height 14'5" (4.4 m) Number of axles 2 Maximum load per axle 19,840 lbs (9 metric tons) Maximum vertical load 37,478 lbs (17 metric tons) Overall weight ca. 74,957 lbs (34 metric tons)	Overall length 74'6" (22.7 m) Length (from kingpin) 64'4" (19.6 m) Width 10'6" (3.2 m) | Height 14'5" (4.4 m) Number of axles 3 Maximum load per axle 19,840 lbs (9 metric tons) Maximum vertical load 37,478 lbs (17 metric tons) Overall weight ca. 94,798 lbs (43 metric tons)
OPTIONS	Additional one ore two cold feeders Protection grid for cold feeder Tri-fuel burner for addititional combustibles (natural gas etc.) Mobile, semimobile or stationary bitumen and fuel tanks Heater for heavy fuel oil and bitumen Preseperator Imported filler addition (volumetric / gravimetric) Reclaimed filler addition (volumetric / gravimetric) Bitumen counter for gravimetric dosing of bitumen Bitumen foam generator Fibre addition (volumetric / gravimetric) Hot mix storage silo lateral More options upon request	Additional one ore two cold feeders Protection grid for cold feeder Tri-fuel burner for addititional combustibles (natural gas etc.) Mobile, semimobile or stationary bitumen and fuel tanks Heater for heavy fuel oil and bitumen Recycling addition: directly into the mixer Preseperator Imported filler addition (volumetric / gravimetric) Reclaimed filler addition (volumetric / gravimetric) Bitumen counter for gravimetric dosing of bitumen Bitumen foam generator Fibre addition (volumetric / gravimetric) Hot mix storage silo lateral More options upon request

* Hot mix production capacity based on following conditions: 10 % bitumen and filler addition, input moisture of aggregates 3 %, aggregate temperature increase 347 °F (175 K) and 0/2 fraction share max. 40 %.

AMMANN CORE COMPONENTS

EVERYTHING FROM ONE SOURCE

Ammann premium asphalt-mixing plants utilize complex process engineering that requires perfect interaction between all individual components. So essential is this integration that Ammann develops and manufactures all core components, including drums, burners, filters, screens, controls and mixers at its headquarters in Switzerland. Doing so is the only way to guarantee that our plants will meet the demanding requirements and standards of the modern market environment. Ammann is currently the only manufacturer of asphalt-mixing plants to offer this single-source approach, establishing us as a professional partner to handle every aspect of your asphalt-mixing plant. We provide answers when you need them and keep an open mind in order to fully understand your needs.

BURNERS AND DRYERS

Ammann burners and dryers are highly reliable, productive and feature cutting-edge technology. Robust, compact and energy-efficient designs minimize maintenance requirements and reduce fuel consumption. The burners and dryers are adaptable to multiple Ammann plant types and built for easy operation. A wide range of options is available.

SCREENS

Ammann screens are highly reliable and properly sort materials. Optimal material load maximizes available screen area usage. A dust-free screen house is among the expertly engineered features. The screens are easy to operate and require minimal maintenance. A wide range of options is available.

FILTERS

Flow is optimized through a highly technical analysis. The filters perform well from top to bottom and minimize service time. Ammatex filter bags offer high temperature resistance and eliminate the need for a fresh air damper. PTFE coating and seams create exceptional resistance and longer life. Improved thermal insulation contributes to the plant's efficiency.

MIXERS

Mixers are highly reliable with short mixing times. Maintenance is minimal and all components work seamlessly and efficiently because of Ammann's quality engineering. The operator-friendly mixers are an integral part of Ammann plants.

AS1 CONTROL SYSTEM

POWERFUL, RELIABLE AND PROVEN WORLDWIDE

The powerful and future-oriented as1 system concept combines proven Ammann software with specially matched industrial hardware. The as1 computing environment has been designed and tested for use in tough environments. Its networking capability also has been optimized. Customers profit from the flexible workstation configuration, networking and administration.

THE FIELD BUS SYSTEM
GUARANTEED FOR RELIABLE SIGNAL TRANSFER

The proven field bus system is robust and reliable under tough operation. Faults can be detected efficiently and rectified by means of the diagnostic tools, even via remote support.

THE POWER CABINET'S COMPONENTS
DESIGNED FOR TOUGH, ROUND-THE-CLOCK OPERATION

The power cabinet's components have to withstand extreme stress 24 hours a day, which is why Ammann only uses tried-and-tested, globally available quality components from renowned manufacturers.

HIGHLIGHTS

- Comprehensive system functionality
- Quick and easy to learn
- Safe to operate
- Proven, reliable field bus and load-sharing
- Professional hotline and support organisations ready for service worldwide

HOTLINE AND SUPPORT
PLANT AVAILABILITY ASSURED

Electromechanical faults can be quickly resolved by the customer's own personnel with the help of the electrical circuit diagrams and the as1 diagnostic tools. Ammann's knowledgeable customer service team staffs the hotline, which can be called for fault diagnosis or maintenance at any time. Modern telecommunications media increase the availability of the plant and reduce the need for costly on-site servicing.

AFTER SALES

COVERING ALL NEEDS

Contracted maintenance services and technician training provided by Ammann help protect your investment, while operator training ensures your team is able to utilize all the features and benefits built into your plant. When your needs change, Ammann offers retrofit options that can provide you with a good-as-new plant at a low cost.

PUT AMMANN EXPERTISE TO WORK

Ammann offers service packages that ensure all maintenance is current, making your plant efficient and also protecting it from premature wear that can result from poor service practices. A variety of technical service packages are available. Or, if you prefer, an Ammann representative can visit your plant and together you can develop a plan that perfectly fits your needs.

VALUE AND AVAILABILITY

Ammann parts provide the best value over the life of your plant. The parts are built to last and have a longer life than low-cost products on the market. Ammann parts also are a perfect fit for your plant, enabling other components to run more efficiently and last longer. Availability is another key Ammann focus. The Ammann logistics team recently overhauled stocking centers and processes to ensure the most essential parts are always nearby.

READY WHEN YOU ARE

Ammann experts are ready to assist you in emergency situations 24 hours a day, seven days a week. The help line team is highly trained and experienced. Representatives can talk you through the challenges – in many different languages – with a remote connection to your system that will minimise the troubleshooting time.

TRAINING

FULFILL YOUR PLANT'S POTENTIAL WITH TRAINING

Your plant features components engineered for productivity and technology that can deliver benefits unheard of just a few years ago. Yet those components and that technology are only as good as the operator using them. How can you help operators make the most of the tools at their disposal? The answer is training.

WORLDWIDE TRAINING CENTERS

Ammann has more than 10 regional training center locations around the world. Key teaching themes connect them all.

- A good balance. The centers combine a traditional classroom setting with hands-on experience, including the availability of plant components for maintenance lessons.
- Experiment without consequences. The as1 control system simulator provides operators with realistic scenarios without running the risk of wasting material or causing plant downtime. Operators can experiment and learn from their mistakes – without costly consequences to your operations.
- Learn from peers. Operators from other facilities attend the training. Participants say the conversations with their peers – and learning how they overcome challenges – is another key benefit.
- Learn in your language. Lessons are taught in many languages, ensuring your team understands key terms and lessons and makes the most of your investment.

In addition, Ammann experts can customize a curriculum for your needs and work with operators and managers at your facility. The advantages include hands-on experience with your equipment and the ability to involve more of your staff than would likely be sent to a regional training center. Choose from the Ammann training modules.


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For additional product information
and services please visit:
www.ammann-group.com