

ASPHALT-MIXING PLANTS

AMMANN HAS THRIVED IN THE ASPHALT BUSINESS THROUGH A CONTINUED COMMITMENT TO INNOVATION, INDUSTRY LEADERSHIP AND PROVIDING BEST-IN-CLASS PRODUCTS AND SERVICES.

Ammann has had a presence in the asphalt plant industry for more than 100 years – before the advent of recycled asphalt, low-temperature mixes or automatic control systems.

What hasn't changed is how Ammann does business. To this day all plants and their core components are engineered in-house to create a perfect fit and ultimately provide quality, efficiency and long life. This approach also means a single point of contact for virtually all plant needs.

A century of industry expertise, meanwhile, ensures an understanding of our customers' needs and the development

of plants that provide real-world solutions. That includes reducing material waste and energy consumption, tasks handled by the Ammann as1 Control System – the brains of the plant.

Producing asphalt requires more than plants. There are a host of other pieces to the puzzle, and Ammann offers complementary products that fit together perfectly to deliver exceptional results.

BATCH PLANTS

Ammann batch plants develop the consistency that is crucial to mix quality whilst providing maximum flexibility in the mixing process. All plant processes and components are carefully developed to ensure that feeding, heating, drying, screening and mixing seamlessly blend together.

The proven as1 control system, which provides leading technology with a user-friendly interface, makes it easy to handle the complex interaction of each piece of equipment.

CONTINUOUS PLANTS

Ammann continuous plants offer maximum performance and consistency, often when high volumes of mix are needed. The continuous plants also incorporate Ammann advantages including mixing technology, recycling, the as1 Control System – and more.

AS1 – THE LEADING PLANT CONTROL SYSTEM FROM AMMANN

Modern asphalt-mixing plants give the plant operator plenty of opportunity on the fine-tuning of the asphalt. Juggling various mixes and recipes while handling multiple projects can be challenging. With the as1 Control System from Ammann, the plant operator has all processes always in a clear overview and can manage difficult operations easily.

AMMANN EXPERTS RELY ON THEIR INDUSTRY KNOWLEDGE AND LISTEN TO CUSTOMERS. THAT APPROACH HAS HELPED THE AMMANN RESEARCH AND DEVELOPMENT TEAM TO INTRODUCE NEW PRODUCTS WITH REAL-WORLD VALUE.

THAT INCLUDES THE PATENTED "ZERO WASTE" SYSTEM, AS WELL AS DEVELOPING SEPARATE HEATING AND MIXING SO THAT RECIPES CAN BE ADJUSTED ON THE FLY AND COSTLY STOPS AND STARTS AVOIDED. THOSE ARE ONLY A FEW EXAMPLES, AND OF COURSE THERE ARE MORE TO COME.

ASPHALT-MIXING PLANTS

BATCH PROCESS

STATIONARY



ABP UNIVERSAL
Capacity: 240–320 t/h
Mixer size: 4–5 t



ABP HRT
Capacity: 240–400 t/h
Mixer size: 4–6 t



ABA UNIBATCH
Capacity: 100–340 t/h
Mixer size: 1.7–4.3 t



ABC SOLIDBATCH
Capacity: 140–240 t/h
Mixer size: 1.7–3.3 t



ABC VALUETEC
Capacity: 80–260 t/h
Mixer size: 1.2–3.3 t



ABT QUICKBATCH
Capacity: 140–180 t/h
Mixer size: 1.7–2.2 t



ABT SPEEDYBATCH
Capacity: 240–300 t/h
Mixer size: 3.3–4 t

MOBILE



ABM EASYBATCH
Capacity: 90–140 t/h
Mixer size: 1.2–1.7 t



ABM BLACKMOVE
Capacity: 240–320 t/h
Mixer size: 4 t

COMPLEMENTARY PRODUCTS



MODITEK
(BITUMEN SYSTEM)
Capacity: up to 30 t/h



EMULTEK 4 / 15
(BITUMEN SYSTEM)
Capacity: up to 15 t/h



HEATTECK
(BITUMEN SYSTEM)
Capacity: 200 000 kcal/h to 2 000 000 kcal/h



DRUMTEK
(BITUMEN SYSTEM)
Capacity: up to 10 t/h



BITUMEN TANKS
Mobile, containerized,
stationary



CONTINUOUS PROCESS

STATIONARY



ACP CONTIMIX
Capacity: 240–340 t/h
Mixer size: 4 t



ACP CONTIHRT
Capacity: 300–500 t/h
Mixer size: 4–6 t



ACC CONTIBASE
Capacity: 140–240 t/h
Mixer size: 1.2–2.4 t



ACC COUNTERMIX
Capacity: 90–120 t/h
Drum diameter: 1650–1800 mm
Drum length: 7080×8500 mm (with RAP)



SCC COLDMIX
Capacity: 200–400 t/h
Mixer size: 4 t

MOBILE



ACM PRIME
Capacity: 100–210 t/h
Mixer size: 1.2–2.1 t



CONCRETE-MIXING PLANTS

AMMANN HAS PROVIDED RELIABLE AND ECONOMICAL SOLUTIONS FOR THE PRODUCTION OF HIGH-QUALITY CONCRETE FOR MORE THAN 60 YEARS. AT THE CORE ARE COMPULSORY MIXERS AND COMPLETE MIXING PLANTS, BOTH MOBILE AND STATIONARY. COMPLEMENTING THE PRODUCT LINE ARE PLANETARY COUNTER-CURRENT MIXERS, MODULES FOR THE PRECAST PARTS INDUSTRY AND LINEAR STORAGE BINS.

The design and quality of components and materials separate Ammann. From the plants to the storage bins and everything in between, all materials feature excellent quality to ensure long life and durability.

CONCRETE PLANTS

Every plant is designed for high productivity and each is available in stationary and semi-mobile versions.

- Other options include precast component and high-performance plants.
- All plant types also integrate modular designs that provide flexibility so they can be customised to fit each customer's needs – now or in the future.

AMMANN CBS PLANTS ARE STATIONARY AND PROVIDE ACCESS TO THE MANY OPTIONS MADE POSSIBLE BY THE WELL-CONCEIVED MODULAR DESIGN.

AMMANN CBT PLANTS ARE TRANSPORT-OPTIMISED, FEATURING FAST INSTALLATION TIMES AND HASSLE-FREE RELOCATION AS WELL AS FAVOURABLE TRANSPORT DIMENSIONS.

CONCRETE MIXERS

Ammann has been an industry leader for decades.

- All mixing systems are continually tested and improved.
- Ammann offers efficient mixing technology, productivity and long product life.

PRECAST CONCRETE-MIXING PLANTS

Ammann precast plants meet varied customer needs, including hollow core slabs, carousel plants, pre-stressed products, paving stones and stairs.

- All precast plants utilise Ammann premium mixing systems.

LINEAR STORAGE BINS

Ammann linear batchers are ideal for storing, discharging and weighing aggregate materials.

- Various model ranges are available with volumes of 9 m³ to 52 m³ per chamber.
- Linear chamber separation allows up to 12 different aggregate types to be stored and discharged.



STATIONARY



CBS ELBA
 Max. concrete output: 107–190m³/h
 Mixer volume: 2000–4500l

CBS 105–140 S/T L Elba
 CBS 105–150 S/T B Elba
 CBS 180–200 TB Elba

TRANSPORT-OPTIMISED



CBT ELBA
 Max. concrete output: 60–128m³/h
 Mixer volume: 1000–3500l

CBT 60 SL Elba
 CBT 105–150 TB Elba

MIXER



**CEM ELBA
 LABORATORY
 COMPULSORY MIXER**
 Compacted fresh concrete:
 60l
 Dry volume: 90l

CEM 60 S Elba



**CEM ELBA
 SINGLE-SHAFT
 COMPULSORY MIXER**
 Compacted fresh concrete:
 0.5–2.5 m³
 Dry volume: 0.75–3.75 m³

CEM 500–2500 S Elba



**CEM ELBA
 TWIN-SHAFT
 COMPULSORY MIXER**
 Compacted fresh concrete:
 2.0–4.5 m³
 Dry volume: 3.0–6.75 m³

CEM 2000–4500 T Elba



**CEM ELBA
 PLANETARY COUNTER-
 CURRENT MIXER**
 Compacted fresh concrete:
 250–4000l
 Dry volume: 375–6000l

CEM 375–6000 P Elba

MODULES



CMP ELBA
 Max. concrete output: 250–4000l
 Dry volume: 375–6000l

CMP L Elba
 CMP B Elba

LINEAR STORAGE BINS



CEL ELBA
 Chamber size: 9–52 m³

CEL 9 Elba | CEL 20 Elba
 CEL 35 Elba | CEL 52 Elba
 Weighing conveyor belts

PLANT TECHNOLOGY

AMMANN CORE ELEMENTS

Asphalt-mixing plant technology is built around core parts such as dryers, burners, screens, control systems and more. When those parts come together properly, they deliver the ultimate productivity gains. Yet they can only work seamlessly and provide the ultimate gains when each piece fits perfectly with the next.



AS1 CONTROL SYSTEM

The system coordinates many key plant processes, including cold feeding, drying, weighing-mixing, bitumen supply, batch loading and service and support. Its intuitive technology provides the ultimate management and operation tool – for all plant types and for operators of all experience levels. Optional as1 modules help your plant deliver even more value. Concrete plants also utilise the as1 Control System and benefit from the value it brings.

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Business Process and Integration



LOW-TEMPERATURE ASPHALT WITH AMMANN FOAM®

Low-temperature asphalt is about much more than an foam injection device. It is a process that starts with drying at a reduced temperature, then moves to specific mixing sequences and the introduction of recycling. Ammann technology can help throughout the process cuts lower emissions and energy costs by up to 25%.



CUSTOM-MADE RECYCLING SOLUTIONS



The use of reclaimed asphalt, or RAP, has become a necessity. Governments increasingly want the reclaimed asphalt from old roads re-used. Ammann provides several options to help your recycling and cost-saving efforts.

- Counterflow dryers that enable use of 100 per cent hot recycled material
- Parallel flow dryers that can use up to 60 per cent hot recycled material
- Middle-ring dryers for the use of up to 40 per cent recycled material
- Various cold addition systems for the use of 25 per cent to 40 per cent recycled material

AMDURIT

Amdurit provides three times the service life of wear-resistant steel and protects valuable parts and components. Instead of replacing the component, simply swap out the Amdurit covering. The wear-protection system results in savings on multiple fronts including extended component life, reduced labor on replacement efforts and improved plant uptime.



EWP ELBA WEAR PROTECTION

EWP protects and significantly extends the service life of components most exposed to wear and tear. The intelligent system is economically priced and consists of hard-wearing polyurethane. EWP precisely fits the plant's mixing shaft and arms, discharge hopper and feeder skips.



ASPHALT RECYCLING

RSS 120-M, A 3-IN-1 MACHINE

The Ammann RSS 120-M takes on shredding, separating and screening as if it were custom-built for each task. The machine consistently and efficiently processes recycled asphalt, from milled materials to asphalt slabs and large chunks. Patented technology utilises milling cutters with interchangeable teeth for efficient and gentle shredding. The technology is both powerful and fuel efficient, and it complements other environmentally friendly efforts built into the machine, including minimised sound and dust emission levels.



RSS 120-M

Typical processing performance with milled material	120 t/h
Typical processing performance with slabs (1000 mm)	80 t/h
Max theoretical performance	up to 180 t/h

HIGHLIGHTS

- No production of additional fines
- Versatile all-in-one equipment
- Mobile and autonomous with 30 minutes set-up time
- Simple one-man operation
- Reliable performance without interruption
- Protective processing maintains grain sizes of the input recycling material
- Easy maintenance and fast servicing

