

ARTICULATED TANDEM ROLLERS

ARX



STRONG AND SMART
BUILT FOR MANOEUVRABILITY AND POWER

AMMANN

ARX PORTFOLIO

Roll with the changes

Compactors excel in varied applications

This unique tool is ideal for compacting varied materials and layers in the fastest working times.

Multiple frequency ranges generate varied compaction forces that are prominently highlighted in the operator station's multifunctional display.

Machine customisation

A broad range of customisation options makes your compactor the right match for any jobsite or task. We can equip your roller to boost productivity, operator comfort and safety. You can reduce costs and machine downtime to increase profitability.

ARX PORTFOLIO

TYPE	WEIGHT	DRUM WIDTH	ENGINE
ARX 90-2	9405 kg (20 734 lb)	1680 mm (66 in)	StV T4f
ARX 90-2	9275 kg (20 448 lb)	1680 mm (66 in)	StIII A T3
ARX 90-2C	9135 kg (20 139 lb)	1680 mm (66 in)	StV T4f
ARX 90-2C	9005 kg (19 853 lb)	1680 mm (66 in)	StIII A T3
ARX 110-2	10 530 kg (23 215 lb)	1680 mm (66 in)	StV T4f
ARX 110-2	10 405 kg (22 939 lb)	1680 mm (66 in)	StIII A T3
ARX 110-2C	10 355 kg (22 829 lb)	1680 mm (66 in)	StV T4f
ARX 110-2C	10 225 kg (22 542 lb)	1680 mm (66 in)	StIII A T3
ARX 140	13 360 kg (29 454 lb)	2130 mm (83.8 in)	StV T4f
ARX 140	13 360 kg (29 454 lb)	2130 mm (83.8 in)	NR IV
ARX 140	13 640 kg (30 071 lb)	2130 mm (83.8 in)	StIII A T3
ARX 160	14 190 kg (31 284 lb)	2130 mm (83.8 in)	StV T4f
ARX 160	14 190 kg (31 284 lb)	2130 mm (83.8 in)	NR IV
ARX 160	14 470 kg (31 901 lb)	2130 mm (83.8 in)	StIII A T3

ARX 90-2 & ARX 110-2

- Transport construction
- Municipal and town roads
- Housing developments
- Industrial zones
- City centers
- Medium compaction sites

ARX 140 & ARX 160

- High volume asphalt applications
- Surface finishing machine
- Highways, Industrial zones
- Airport runways
- Large compaction sites



SOLID POWER DNA+

All models are uniquely designed following Ammann's Solid Power DNA+ guidelines.



PRODUCTIVITY

Ammann pavers and compactors are engineered for top performance, helping operators work quickly and efficiently while maintaining quality. Their precision reduces labor, fuel and rework costs – boosting profitability.



ERGONOMICS

Designed with the operator in mind, these machines offer maximum visibility and intuitive controls. The smart machine design promotes both efficiency and safety on the jobsite.



SERVICEABILITY

Ammann prioritizes easy maintenance. Durable components, accessible service points and long service intervals simplify upkeep, maximize uptime and lower costs.



SUSTAINABILITY

High productivity, operator support and easy maintenance help reduce environmental impact. Ammann machines also feature smart technologies and alternative power options, making jobsites cleaner, smarter and more efficient.

ARX HOTSPOTS

Platform and cab

The **safe design** enables a focus on productivity that reduces the time and effort spent on a task.

The **spacious environment** gives the machine operator comfort to operate the machine.

ECODrop

Reduces fuel consumption and lowers the **carbon footprint**.

Long-lasting wear parts and easy service access **lower ownership costs**.

Variable compaction output

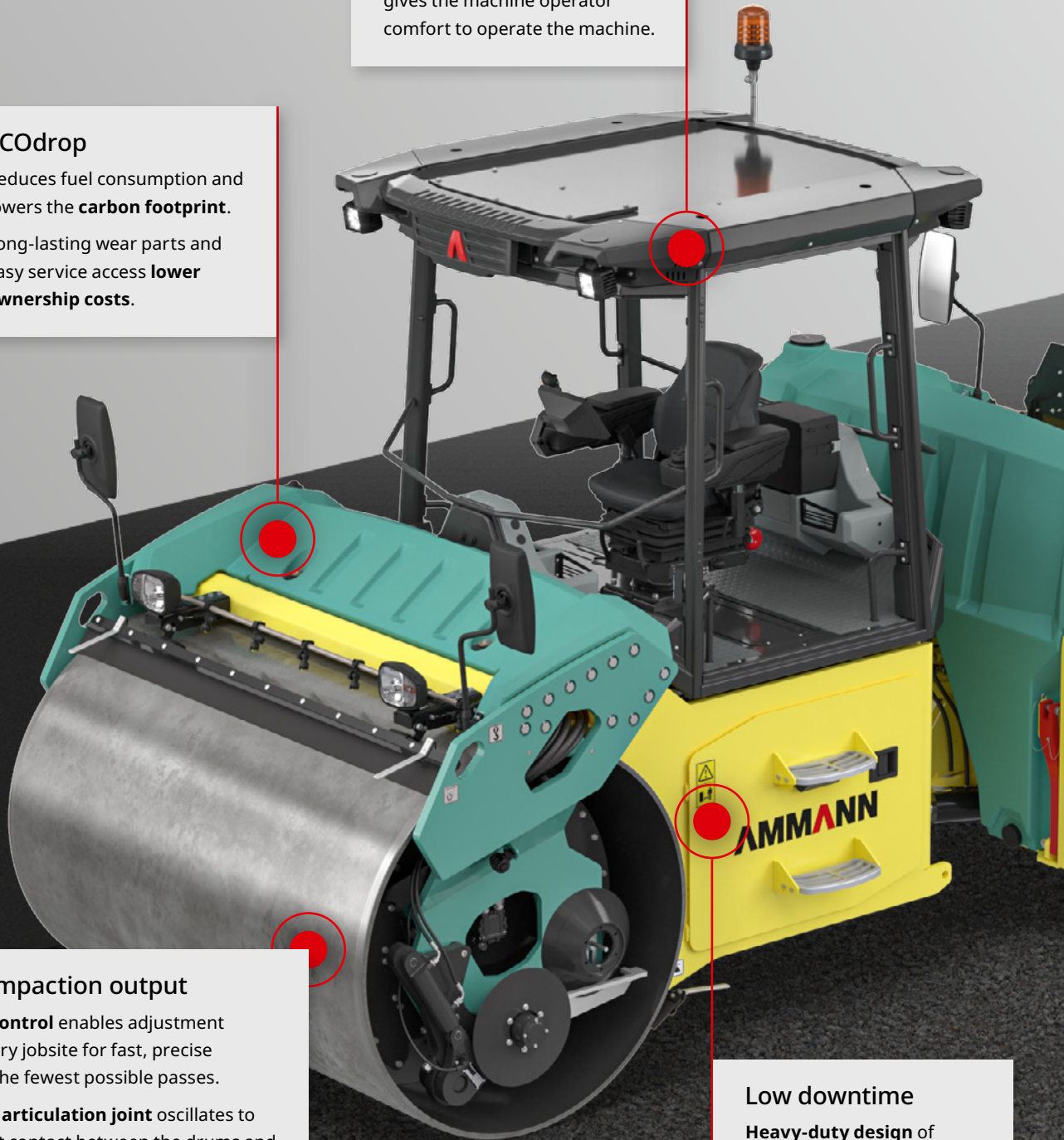
Performance control enables adjustment to each and every jobsite for fast, precise compaction in the fewest possible passes.

The **adjustable articulation joint** oscillates to ensure constant contact between the drums and the surface. A wide range of working widths and optional crab steering offer further productivity.

Low downtime

Heavy-duty design of the machine frame and components reduces maintenance needs.

Ownership costs are reduced by the **service friendliness** of the machine.



Digitalization

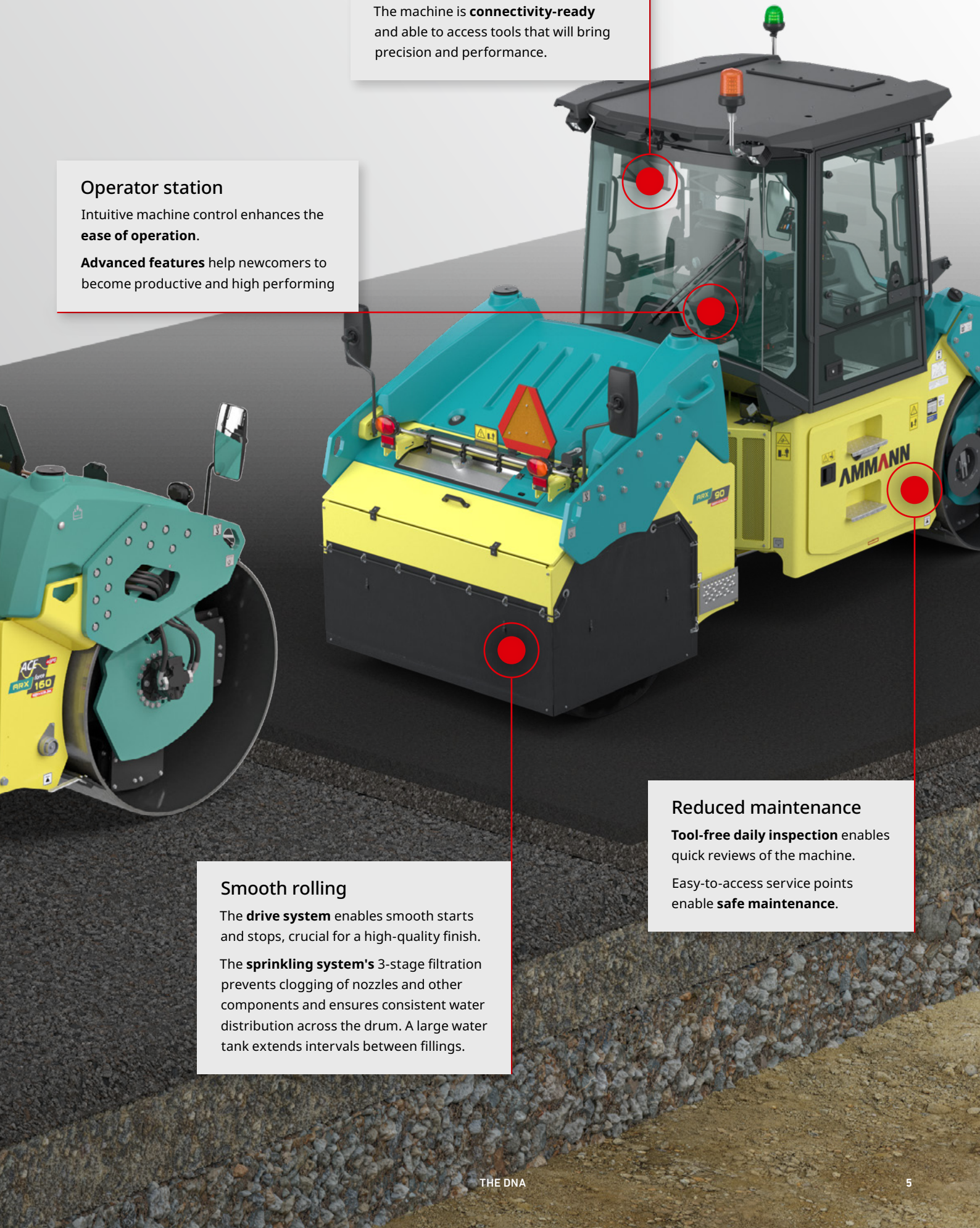
Smart digitalization tools help manage the machine's life cycle and utilisation.

The machine is **connectivity-ready** and able to access tools that will bring precision and performance.

Operator station

Intuitive machine control enhances the **ease of operation**.

Advanced features help newcomers to become productive and high performing



Smooth rolling

The **drive system** enables smooth starts and stops, crucial for a high-quality finish.

The **sprinkling system's** 3-stage filtration prevents clogging of nozzles and other components and ensures consistent water distribution across the drum. A large water tank extends intervals between fillings.

Reduced maintenance

Tool-free daily inspection enables quick reviews of the machine.

Easy-to-access service points enable **safe maintenance**.



PRODUCTIVITY

Performance control

Multiple frequency settings allow for precise compaction control and higher-quality compacted layers by adjusting output.

Adjustable articulation joint

Robust articulated joint with integrated steering, oscillation and optional off-set mode are well-thought-out solutions. The steering mode offers exceptional machine maneuverability on jobsites, while oscillation keeps machines in constant ground contact. The operator can utilise offset mode to reach areas close to curbs or to increase working width.

Drive system

The drive system utilises integrated acceleration and deceleration settings for optimal compaction results (smooth start/stop system). The mode is based on the gear selected.

Sprinkling system

Filling intervals are extended by a combination of the high-capacity water tank and variable spraying settings that optimize water use.

To maximise productivity, sprinkling system is equipped with a 3-stage filtration process that ensures the spraying nozzles are constantly cleaned – even if the water is contaminated.

In addition, the system is equipped with a backup water pump to ensure uptime on the jobsite (optional).





Ready for each jobsite

A machine with variable compaction outputs offers flexibility, covering multiple weight categories in one.

Available in several main versions

(Double drum, Combi, Oscillation or High frequency).

Continuous ground contact

Oscillation maintains constant contact between the drums and the ground. The optional crab mode extends the working width:

- **ARX 90-2 & 110-2:** from 1,680 mm to 1,850 mm
- **ARX 140 & 160:** from 2,130 mm to 2,300 mm

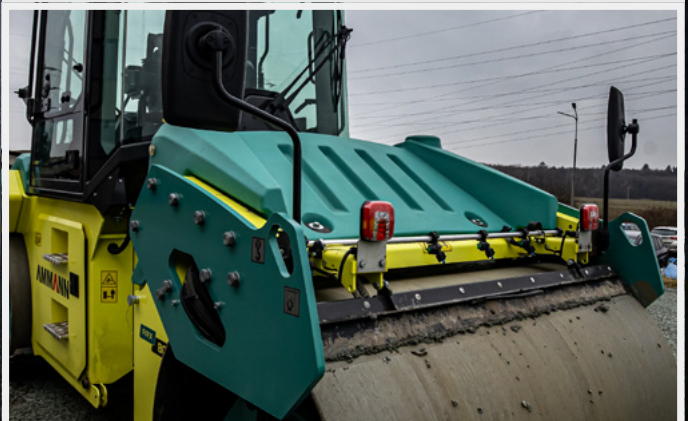


No waves

Smooth operation delivers an exceptional surface finish.

Full-shift sprinkling

Designed for a full workday of operation, featuring two sprinkling pumps and a visible water level indicator.





ERGONOMICS

Safe design

The cab, equipped with ROPS/FOPS, provides unobstructed views and all-around visibility of the machine and jobsite, enhancing safety. Objects are visible to the operator beyond a 1-by-1-meter area in both directions. The cab's symmetrical design allows for easy operation in both directions (forward and reverse).

Spacious environment

The workplace is easily accessible and insulated from noise/ vibration for worker comfort.

The spacious platform rotates 270° and features a slideable, adjustable seat and armrests for operators of various sizes.

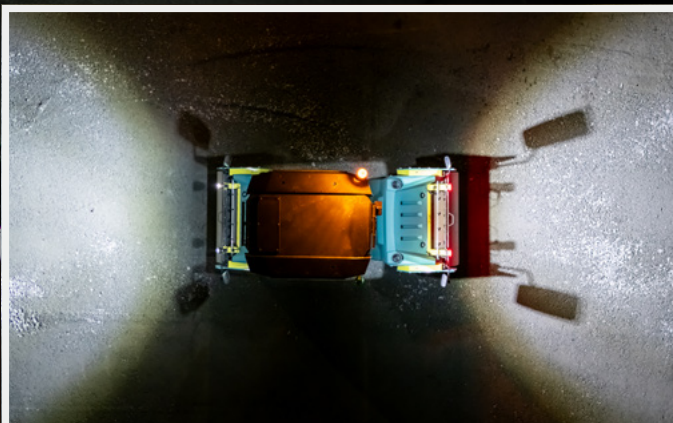
Ease of operation

A unified machine control layout (display, switches, joystick) ensures effortless and efficient operation, while fingertip steering (FTS) offers comfort and precision.

Advanced features

An electronic drive lever with integrated safety and operating functions simplifies control. The operator has easy access to the multi-function touchscreen display for monitoring. Embedded self-diagnostics offer additional information.





360° allaround view

The compactor provides unobstructed visibility of the drums, machine edges and surrounding area.

9% lower noise level

The machine's design and insulation reduce noise levels.

5 minutes training explains all

New operators can quickly learn how to run the machine.



100% machine under control

At-a-glance operation provides a complete overview of the machine's status and settings.



SERVICEABILITY

Heavy-duty design

The robust design makes the machine extremely durable – essential given its work in difficult environments. All components are optimally located for seamless operation, extending machine life-span and maximizing uptime. This significantly reduces ownership costs by eliminating the need for replacement parts and saving time spent on machine service or maintenance.

Service friendliness

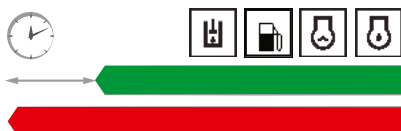
External draining points and quick-coupling fillings shorten service time. The self-diagnostic system monitors functionality and features a dedicated screen. The operating manual, and service interval tracking, can be accessed through the display.

Tool-free daily inspection

Daily machine inspection points are easily accessible without the need for tools. Ground-level access to all maintenance points significantly reduces preparation time before the shift.

Safe maintenance

The wide-opening side doors provide easy access to the engine compartment, further reducing service time.





30% cost reduction

Machine components continue to perform at a high level with minimal maintenance, reducing the cost of labor and replacement parts.



50 hours saved during annual service

Easy service access minimises machine downtime.

4 minutes to "be ready"

Simple, safe access reduces the pre-shift preparation time.



100% safety

No climbing or reaching is needed to for pre-shift checks.



SUSTAINABILITY

Carbon footprint

The latest engine technology combined with synthetic fuels lowers emissions and reduces fuel consumption. Advanced machine technologies such as machine rpm load control, variable cooling and automatic engine idling further reduce fuel burn.

Low costs of ownership

Innovative technologies reduce the amount and variety of fluids used, and the articulation joint is maintenance-free.

Smart digitalization

Optional systems are available to provide operators with guidance and accurate jobsite documentation, enabling more effective machine use. This data helps optimise jobsite progress, improve efficiency and reduce environmental impact.

Connectivity

The machines are telematics-ready, allowing remote access to detailed status information at any time. This maximises machine utilisation and improves fleet management by collecting, sharing, and analyzing relevant data, which is transmitted directly from the field in real time.





91% CO₂ reduction

The latest engine technologies and fuel options dramatically reduce emissions.

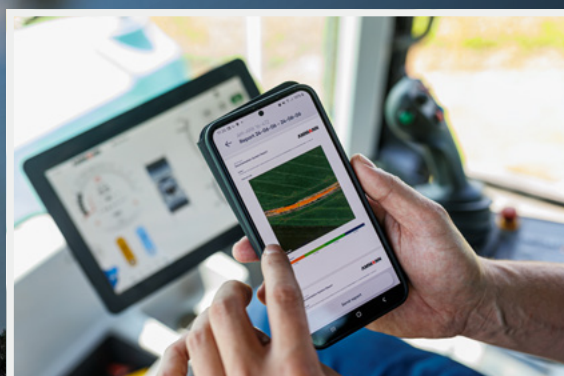
70% reduction of operation fluids

The volume of fluids is reduced, as are the types of fluids needed.



100% cycle control

Digital tools improve all parts of the process.



Unlimited planning

Fleet managers have accurate machine information to extend life and maximise utilisation.

ACE

Ammann Compaction Expert — Intelligent Ground Compaction

Precise, transparent and verifiable compaction processes increasingly are required on jobsites. Ammann took the first steps toward providing these solutions in 1998 with the advent of Ammann Compaction Expert (ACE), an automated compaction measurement and control system. ACE has been continually improved since its introduction and remains the industry leader. It is the only system that automatically adjusts amplitude and frequency based on ground characteristics.

System — ACE^{force}

The advanced ACE^{force} system is fully integrated into the main machine display, reducing the number of screens the operator needs to monitor. With simplified controls and an intuitive interface, it offers easy-to-read compaction guidance via a colored progress bar on the multifunctional display. The system also detects the double jump effect and immediately alerts the operator with clear messages and audible warnings to prevent machine damage.

- Continuously measures compaction and evaluates real material stiffness in absolute values (MN/m)
- Makes operation easy for all skills levels with intuitive controls and multifunctional display
- Enables simple adjustment of targets and settings
- Communicates optimal machine speed to operators
- Indicates drum jumping and therefore minimizes the risk of over-compaction or material destruction
- Shows compaction progress through operator guiding function
- Optional Ammann Documentation System (ADS) for documentation and further data analysis
- Optional GPS Systems with 24/7 remote view
- Compatible with all major manufacturers' GPS products to provide mapping and operator guidance



ADS

Ammann documentation system

The Ammann Documentation System (ADS) combines GPS data with compaction results from ACE^{force}. The result is detailed document for precise locations. Data can be recorded directly on the machine or via the ADS app on a mobile device.

- Records machine passes and compaction progress with GPS positioning
- Provides efficiencies that conserve time and fuel, reduce costs of re-work, extend machine life, and lessen CO₂
- Records data via machine control display (no need for external Android/iOS device)
- Enables downloading of statistics from machine by Android or iOS device and transferable via PDF or CSV reports (machine connection via low-energy Bluetooth)

ADS RTK (Real-Time Kinematic)

The advanced Ammann Documentation System (ADS) with Real-Time Kinematics (RTK) records compaction results from ACE^{force} system, using precise GPS tracking to ensure accurate jobsite localization. While the system's core functionality remains the same, GPS accuracy is enhanced via a radio-modem base station for even greater precision. All logged data is stored directly on the machine or through the ADS app on a mobile device, providing accurate insights that optimize compaction performance.

- XY accuracy up to 1 cm (mandatory for CCC Documentation regulation CEN/TS 17006)
- Multiple machines connected to a single RTK/GNSS
- RTK range of min. 3.000 meters (9,842 ft.)



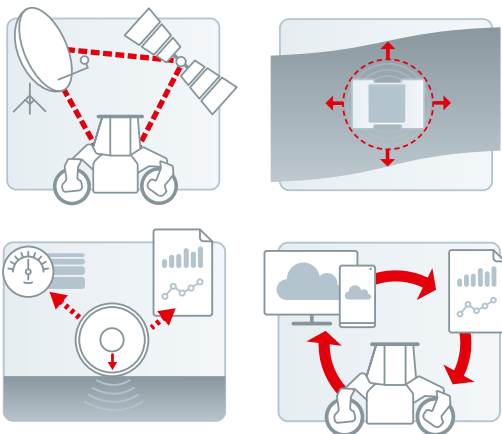
Q MACHINES

Adding navigation to ACE greatly improves processes – and profitability.

Ammann Compactors equipped with ACE^{force} system are compatible with third-party solutions for GPS-based compaction monitoring systems, such as Q-Compaction (from supplier Q-Point).

Provides an efficient analysis and documentation system for Continuous Compaction Control (CCC)

- Satellite navigation system accurately assigns the measured compaction values to the position coordinates and the time
- Graphic display of measurement data relays the on-site compaction work and enables a fast and reliable performance analysis
- Combines ACE measurement and control with a navigation system
- Enables live machine-to-machine communication on the jobsite
- Operated and controlled with touch screen
- Integrates quality control measures in the compaction process
- Other compaction parameters can be measured and documented including kB value stiffness (ground bearing capacity), trend of kB values, temperature, vibration status, roller speed, effective amplitude and frequency, pass count, exact geographical position, date and time of passes



SERVICELINK

Delivering the data that matters

Ammann ServiceLink is a digital data management tool that provides customers with the information they want the most.

ServiceLink Pro

This full CAN-based data tool provides a comprehensive machine overview. Crews can maximize projects through efficient utilization, proactive maintenance, and smart service planning. Both productivity and equipment longevity benefit.

- Provides live machine location
- Updates working hours in real time
- Tracks battery voltage and TCU
- Can be accessed via online portal or mobile app
- Shows fuel level
- Monitors exhaust fluid level (DEF)
- Displays both fault and diagnostic codes
- Tracks fuel consumption, ash and soot load (EAT) and operating fluids status
- Provides vibratory status
- Enables geo leasing and reporting
- SW Versions and many more...



OSCILLATION

OSCILLATION



QUICKER COMPACTION AND COST SAVINGS

Massaging

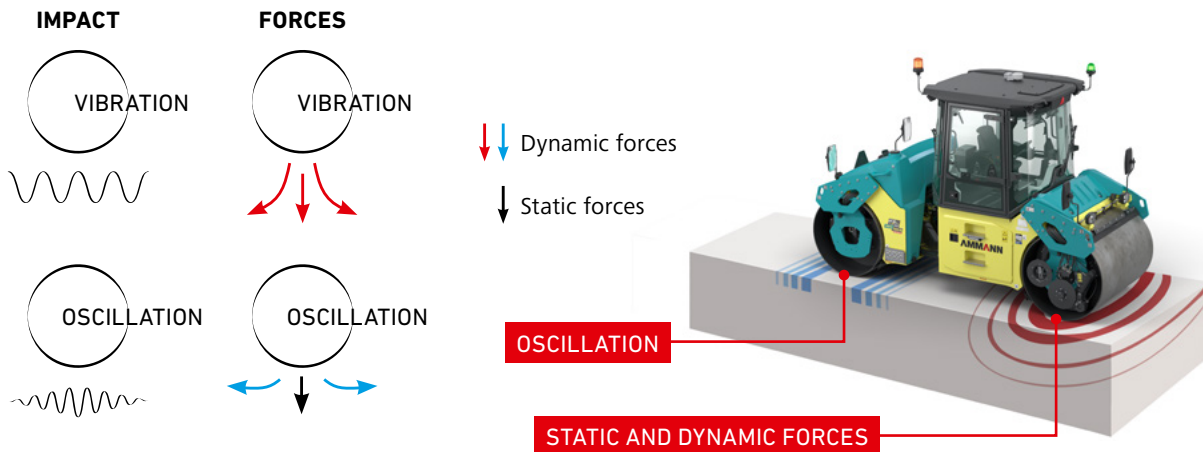
Compaction is the process of moving materials more closely together. Traditional vibration tries to accomplish this through a harder pounding in a mostly vertical direction. Oscillation delivers less force but uses both vertical and horizontal energy. Compaction occurs more quickly when forces are applied from different directions.

Oscillation essentially massages the aggregates into place.

Constant contact

The oscillating drum has two eccentric shafts that are located as far as possible from the main axis. Both shafts rotate in the same direction and generate a rotational vibration, called oscillation. The motion enables the drums to maintain constant ground contact throughout compaction. This is a significant departure from vibratory compaction, during which the drums lose contact with the ground after each impact.

The more often the drum is in contact with the surface, the more compaction is occurring beneath it.



HOW WOULD YOUR BUSINESS BENEFIT FROM OSCILLATION?

Sensitive settings

Because oscillation does more massaging than it does pounding, it is often the method of choice on sensitive jobsites such as bridges, or when working over sewers or utility lines.

High temperatures

Oscillating rollers can work on hot mats. This widens the compaction window for crews and helps them quickly get to work on thin lifts, such as those placed on bridges.

Cool temperatures

The “softer” approach of oscillation prevents damage to cooler mats.

Joint work

Rollers with oscillation are great fits for sealing cold joints. The drum simultaneously can work on the hot and cold mats, so it delivers the best of both worlds. The massaging approach prevents damage to the cold mat but applies enough energy to compact the hot materials – and seal the joint, too.

Production

Oscillation doesn’t pound like a vibratory roller, but it ultimately delivers more force into the mat because it uses both vertical and horizontal energy. That increased force means quicker compaction and fewer passes. The constant contact with the surface helps too.

Operator friendly

Rollers with oscillation automatically adjust to compaction needs, removing some of the burden from operators. The longer compaction window also gives operators a margin of error as they keep pace with the paver and other rollers.

Smoothness

Vibrating drums can leave “chatter” behind; oscillating rollers do not.

Cost savings

Reducing the number of passes saves on labor, machine wear and fuel. It also helps keep jobs on track – and customers happy.

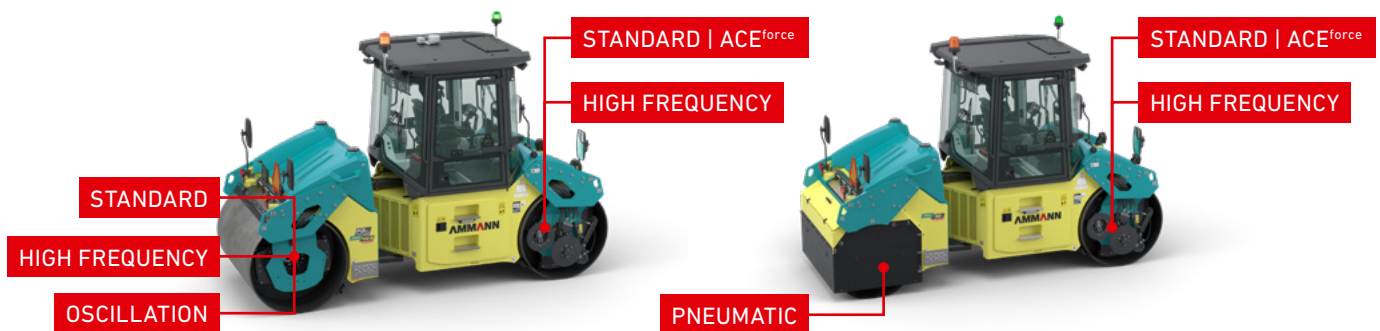
VERSATILE VIBRATORY SYSTEM

EASY ADJUSTMENT OF AMPLITUDE AND FREQUENCY

Ammann articulated tandem rollers offer varied settings that provide versatility in many applications while the strong vibratory system delivers essential compaction power.

Vibratory system

- 2 independent vibratory pumps for each drum
- Heavy-duty, 2-stage vibrator for high compaction performance and quality
- Amplitude easily adjusted by selecting the rotational direction of the vibratory shaft
- Multiple vibration frequencies
- ACE^{force} as an option
- Oil bath to lubricate and cool moving parts
- High frequency version (option)
- Oscillation drum (option)



Drum combination						
Front drum	Standard ACE ^{force}	Standard ACE ^{force}	High frequency	High frequency	Standard ACE ^{force}	High frequency
Rear drum	Standard	Oscillation	Oscillation	High frequency	Pneumatic	Pneumatic

High-frequency drum

The technologically advanced 2-stage vibratory system with enhanced/boosted frequencies which are 20% higher on average than the standard version. In combination with multiple ranges of frequencies varied compaction forces are generated that can be easily adjusted via the multifunctional display in the operator station. Therefore the high-frequency drums are a unique tool that is exceptional for compacting various layers and materials in shorter working times.

“The high-frequency drum utilises frequencies that are 20% higher than its standard counterpart.”

OPTIONS

The tools you need to succeed

Combi Version

Combination rollers are versatile machines that feature both a steel drum and pneumatic tyres, enabling vibratory compaction as well as a kneading effect. With a 270° rotating seat, the operator can position the pneumatic axle at either the front or the rear of the machine. This flexibility makes them an excellent solution for a wide range of materials and applications.



Cooling Box

The machine can be equipped with an optional cooling box—ideal for extended shifts or operations in remote areas with limited access to food supplies. Conveniently installed behind the operator's seat, the cooling box provides easy access to chilled food and beverages, helping operators stay refreshed, focused, and productive throughout the shift.

Water Tank Filling From Ground

Tight urban jobsites and high-traffic areas can make water sourcing a challenge. With optional couplings that connect directly to municipal fire-department hoses, the machine keeps your tanks filled quickly and reliably—so your operation keeps moving without delays.



Ammann Documentation System ADS / ADS RTK

In combination with the ACEforce system, comprehensive compaction documentation is achieved by automatically recording every roller pass. Key performance data - including material stiffness (kB value), temperature, roller speed, effective amplitude, and vibration frequency - are captured in real time. Date, time, and precise position data (with accuracy of up to 50 cm) are continuously logged, ensuring full transparency and reliable quality control throughout the compaction process. For even higher documentation accuracy, the system can be equipped with an RTK (Real-Time Kinematic) station, improving positioning precision to up to 1 cm. All data can be exported as customized PDF reports or CSV files, enabling efficient documentation, compliance, and detailed office analysis.



Maintenance Kit

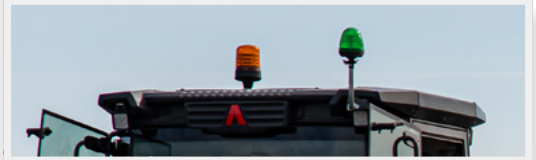
Optional maintenance kits keep machines running smoothly, minimize downtime, extend service life, and simplify maintenance management for clients. Available kits for: 500hours, 1000 hours and 2000 hours.

Off-set Mode

To enhance machine flexibility, each machine can be equipped with an offset mode. This increases productivity by providing a wider compaction width and enabling operation closer to curbs or other obstacles.

Green LED Warning Beacon

A green LED beacon activates when the operator fastens the seat belt, improving jobsite safety and allowing better oversight by safety personnel.



Chip Spreader Preparation / Linear

The machine features a versatile mounting system compatible with linear, disc, and selected third-party spreaders. Quick and easy connections to the main bracket allow fast installation or replacement of attachments, ensuring flexible and efficient operation. During top-layer compaction, this tool spreads small stones and other materials to increase surface abrasiveness, improving road durability and vehicle traction. The result is safer roads with shorter braking distances. Fully integrated into the main machine display, the system is easy to operate and ensures precise application with consistently high-quality results. Only ARX 90-2 / ARX 110-2

Biodegradable Hydraulic Oil

The machine can be equipped with biodegradable hydraulic oil that decomposes quickly, reducing environmental impact. It can replace standard hydraulic oil, provided all hydraulic filters are replaced during the conversion.

Rear View Camera

Increase jobsite safety with an optional rear-view camera that gives operators a clear view behind the machine. Enhanced visibility improves awareness in busy environments, allowing quicker reactions and helping reduce the risk of accidents and injuries.



Edge Cutters

This additional tool is designed for essential jobsite tasks, improving efficiency, productivity, and the quality of the finished surface. The kit includes two types of discs pressing and cutting offering greater versatility and productivity on the jobsite. Several versions are available:

- Edge Cutter 45° (Diagonal)
- Edge Cutter 45° (Front Right)
- Edge Cutter 45° (Front Right / Front Left)



Infrared Thermometer

Continuous temperature readings (°C/°F) are displayed directly on the machine's screen, allowing operators to monitor actual asphalt temperature in real time.



Road Lights Inc. Turn Signals

Two additional LED road lights with integrated turn signals are mounted in the (front/rear) machine frame. They improve performance in low-light conditions and significantly enhance jobsite safety. The LED turn signals provide high visibility and increased safety on the jobsite.

SPARE PARTS

EASY, EFFICIENT REPLACEMENT

Ammann does everything possible to ensure you have the necessary parts where and when you need them.

Special kits ensure all necessary project parts are in a single box to keep you organised and efficient. QR codes link to videos that walk you through the replacement process.

BENEFITS OF AMMANN ORIGINAL SPARE PARTS

- are engineered with Swiss precision and thoroughly tested to fit your machines perfectly;
- provide quality that guarantees long life;
- come with a 12-month warranty;
- reduce downtime through availability and streamlined logistics.

TECHNICAL SERVICES

ALWAYS CLOSE

No matter where you are, Ammann-trained technicians and parts are near.

BENEFITS

- Ammann dealers provide knowledgeable technicians who can help, whether it's an emergency or time for preventive measures;
- A hotline enables quick access to our team of experienced specialists;
- Videos walk you through service and maintenance processes;
- Special parts kits include QR codes that link to video demos.



GET THE MOST OUT OF YOUR MACHINE

Success on the jobsite starts with the right machine. It continues with training that helps you leverage all the value built into the product.



BENEFITS

- Ammann application experts offer training that is tailored to your needs and is built around best practices;
- The sessions can occur at an Ammann facility, your business, on a jobsite or at the local Ammann Dealer;
- Remote and eLearning opportunities are also available.

PROGRAMS

AMMANNCARE

Choose from 5 levels of service.

The Ammann Care program offers a range of essential components to ensure optimal equipment performance and dealer support. These include mandatory Ammann Service Kits, optional Ammann ServiceLink, comprehensive spare parts coverage, engine warranty, and reimbursement for travel, mileage, and labor costs related to part replacements. Additionally, the program provides support for machines during a grace period of up to 12 months.

YOUR BENEFITS

- Additional coverage opportunities to generate revenue;
- Connects Dealers with customers throughout the machine lifecycle;
- Simplifies service and maintenance implementation;
- Provides new ways to support customers;
- Customizable to meet specific Dealer needs and standards.

BRONZE

SILVER

GOLD

PLATINUM

DIAMOND

AMMANN'S GLOBAL PRESENCE

An Innovative, Sustainable Business

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. We are committed to sustainability – in both the products we make and the ways we make them.

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. Plants and machines that consistently prove their merits under demanding conditions are the best way to give our customers the critical, competitive edge they need.

Our reliable, punctual service network provides the essential spare parts that keep our customers working – and supports the plants and machines throughout their lifetimes.

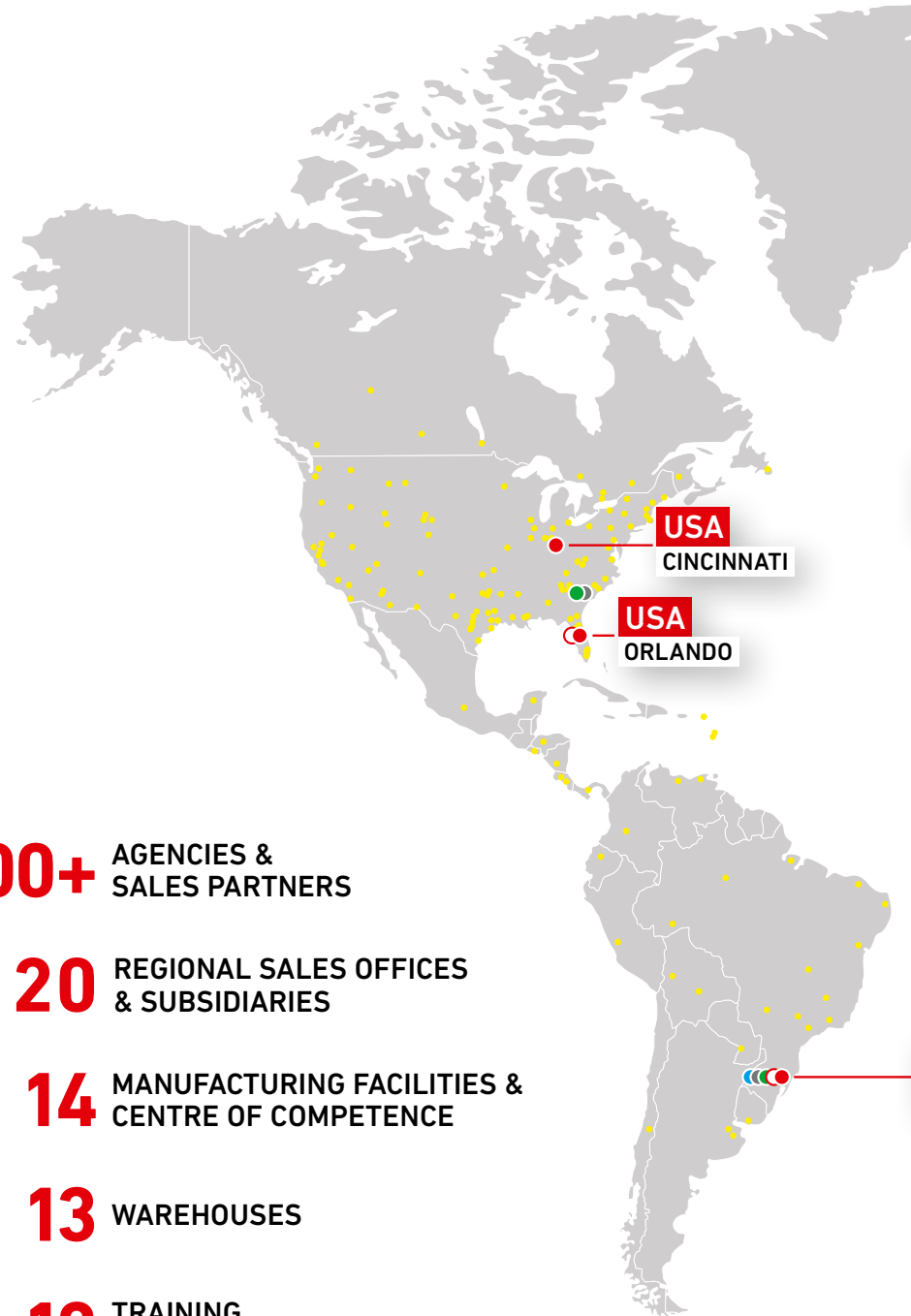
200+ AGENCIES & SALES PARTNERS

20 REGIONAL SALES OFFICES & SUBSIDIARIES

14 MANUFACTURING FACILITIES & CENTRE OF COMPETENCE

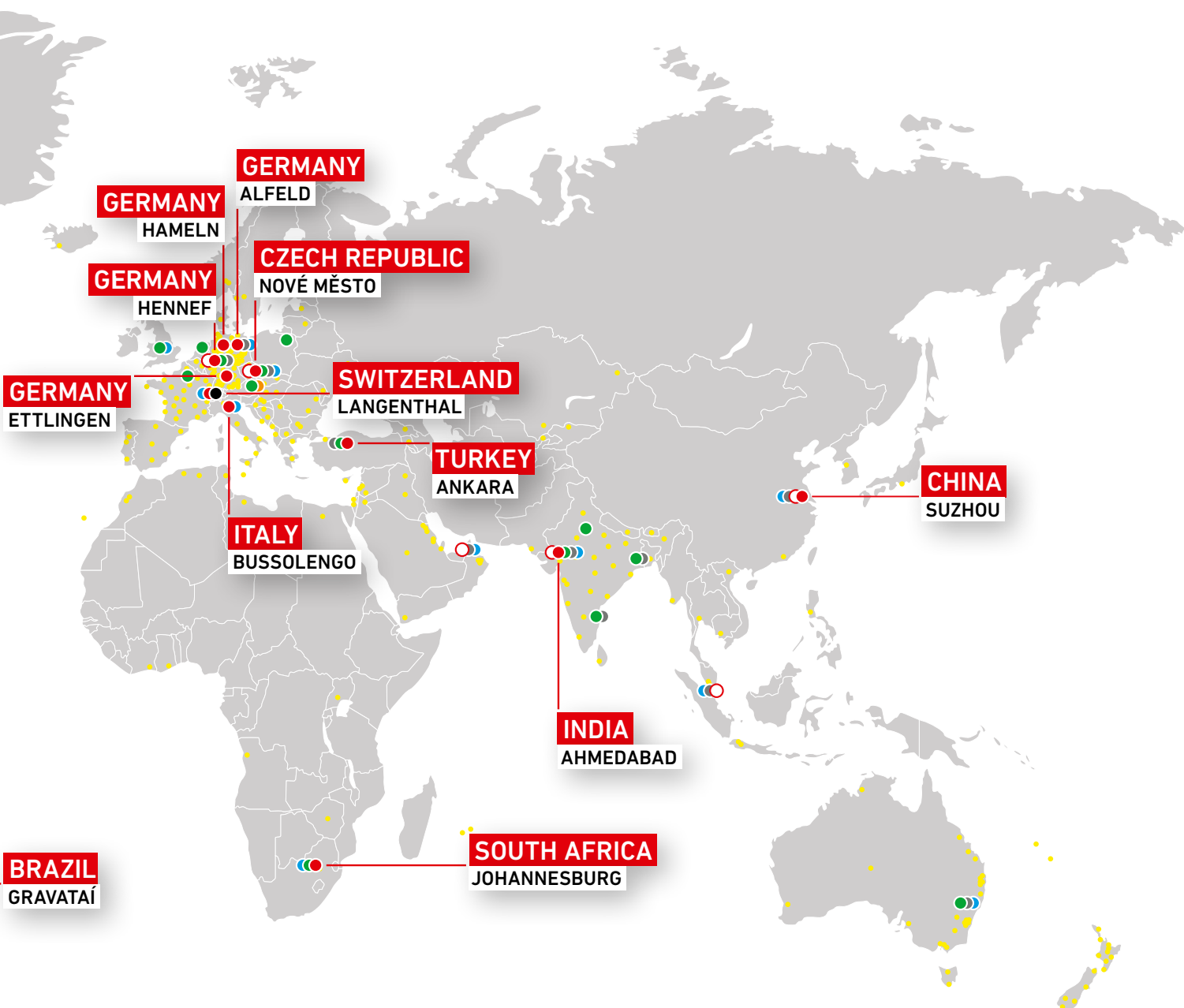
13 WAREHOUSES

12 TRAINING CENTRES



PLANTS

ASPHALT-MIXING PLANTS
CONCRETE-MIXING PLANTS



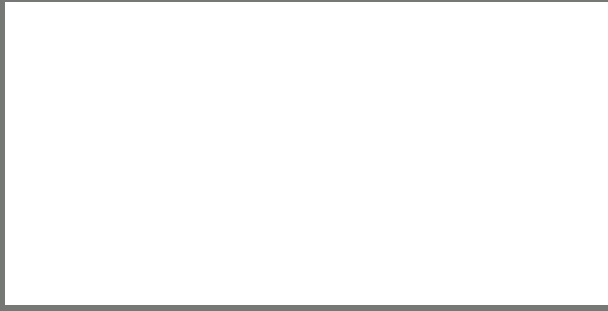
GLOBAL DISTRIBUTION & SERVICE NETWORK

- HEADQUARTERS
- REGIONAL SALES OFFICES
- SUBSIDIARIES
- AGENCIES & SALES PARTNERS
- MANUFACTURING FACILITIES & CENTRE OF COMPETENCE
- GLOBAL RETROFIT CENTRE
- WAREHOUSES
- TRAINING CENTRES



MACHINES

LIGHT COMPACTION
SOIL & ASPHALT COMPACTION
ASPHALT PAVERS



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

