

TRENCH ROLLERS

ARR 1575-2
ARR 1585-2



WINNING IN THE TRENCHES
WHERE MANOEUVRABILITY MATTERS

AMMANN

ARR PORTFOLIO

These machines overcome the most challenging materials.

Trench work is difficult, but Ammann ARR Trench Rollers are ready for the challenge. Multiple machine features help make operators efficient and improve productivity. The vibratory systems, as well as two different machine types, ensure the rollers overcome the varied materials they often encounter.

SKID-STEER CONCEPT & ARTICULATED JOINT WITH OSCILLATION



Applications

- Pipeline construction
- Electric and cable installation
- Commercial, residential, and industrial development
- Structure backfill work
- Confined work spaces
- Subbase of roads

ARR PORTFOLIO

TYPE	WEIGHT	DRUM WIDTH	ENGINE
ARR 1575-2	1480 – 1605 kg (3263 – 3538 lb)	600 mm (23.6 in)	StV T4f
ARR 1585-2	1260 – 1370 kg (2778 – 3020 lb)	650 mm (25.6 in)	StV T4f

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.

ARR - PRODUCT HOTSPOTS

Intelligent control functions

The control system distinguishes between two **operation zones** – the “working zone” and “safety zone.” The machine immediately stops if it enters a “safety zone,” meaning it is too close to the operator.

The integrated **eROPS** system guides the operator and helps prevent roll-over when working transversely in steep areas.

Infrared remote control

The infrared remote control boosts **safe control** by automatically stopping the machine if the control signal is lost. Simple, automatic pairing of the machine and remote prevents human error when operating multiple units.

Comfortable operation thanks to intuitive control layout and advanced information display for safety and operation functions.

Reduced maintenance

Tool-free daily inspection makes pre-shift machine checks fast and easy.

Easily accessible service points enable **safe** and efficient **maintenance**.



Exceptional manoeuvrability

Constant ground contact ensures the drums consistently deliver the proper compaction force to the material.

High steering accuracy allows operators to maneuver and work easily around obstacles.

The **two-stage vibratory system** can easily adjust compaction forces to the application and jobsite conditions.

ECODrop

Lowers the **carbon footprint** by reducing fuel consumption and minimising maintenance and service requirements.

Extended service intervals, durable wear parts, and easy access to all maintenance points are key factors contributing to the **low cost of ownership**.

Low downtime

The **heavy-duty design** of the machine frame and components reduces maintenance requirements.

The use of **durable components** significantly reduces the time needed for service and maintenance, thereby lowering the cost of ownership.



Superior terrain performance

Four drive motors and their unique control enable 360° on-the-spot turning, essential in tight spaces.

Powerful hydraulics and advanced pad design maximise grip and climbing ability.

Powerful compaction

Varied working widths allow the machine to fit in tight spaces or work more productively in open areas.

The **single-stage vibratory system** and its high-compaction punch boost productivity across a variety of jobsites.

Advanced technologies

The compaction process benefits from **smart digitalisation** tools that increase productivity by eliminating unnecessary passes of the machine.

The machine is ready for **connectivity** that promotes precise control over roller status and machine utilization.



PRODUCTIVITY

Two working widths

The drum construction enables two working widths, improving productivity in wider trenches. Similarly, the working width can be narrower in tighter trenches. This flexible solution is appreciated by rental fleets, allowing them to meet varied needs with a single machine.

ARR 1575-2

Two-stage vibratory system

Adjustable eccentric weights enable two different vibration settings - high and low amplitude. This allows performance to be varied based on layer thickness and compacted material. The vibratory unit utilises directed vibration for high compaction output on thinner layers. These features ensure quality and help the crew reach density targets in the fewest passes possible.

Oscillation joint

The steering joint's unique design is essential to the connection of the front and rear frame. The joint's Special oscillation bearing ensures independent front and rear frame movement. It results in uniform weight distribution between both axles, which then provides permanent and consistent ground contact on uneven terrains.

Precise steering

A central joint with two steering cylinders evenly distributes compaction forces, preventing system overload and improving manoeuvrability thanks to symmetrical steering behaviour.

ARR 1585-2

Single-stage vibratory

The centrally mounted vibratory system delivers industry-leading compaction performance. The exciter enables dual direction of rotation for compaction and climbing improvement.

360° on-the-spot turning

The skid-steer concept with independent drum steer control brings unique maneuverability. The machine offers 360° 'on-the-spot' turning for productivity in tight spaces – and enhanced operator comfort as well.

Climbing ability

The high climbing ability of the machine is achieved through well-balanced weight distribution, a low center of gravity, a powerful hydraulic system, and specially designed pads for enhanced grip.





2 drum options

Narrow or extended?

- 1575-2: 600 mm (23.6 in) to 860 mm (33.9 in)
- 1585-2: 640 mm (25.2 in) to 850 mm (33.5 in)



ARR 1575-2

4° oscillation

The oscillation joint ensures constant contact between the drums and the ground.

ARR 1585-2

360° on-the-spot turning



ARR 1585-2

Up to 35° climbing

The machine can climb steep grades thanks to powerful hydraulic and pads that are designed to grip.



ERGONOMICS

Safe control

The innovative infrared remote control won't engage unless the remote control has direct visibility of the machine. This ensures safe control by immediately stopping if the signal is lost. The remote control and machine are automatically paired on a unique frequency. This advanced feature eliminates the risk of incorrect signals reaching the roller, which is essential when operating on jobsites with multiple machines.

Comfortable operation

The remote control enhances operator comfort throughout the working shift. All elements, such as joysticks, switches, and indicators, are intuitively organized and easy to reach. A highly visible LED panel provides the operator with essential information, such as battery charge, the safe operating zone, and remote machine diagnostics. The remote control can be charged directly from the machine. The remote control battery can be removed for external charging.

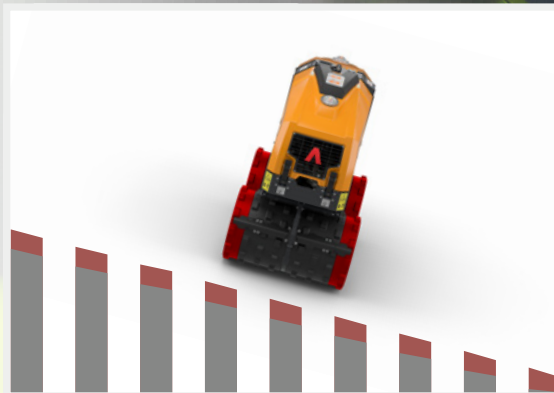
Operation zones

The control system defines two operating zones: a working zone and a safety zone. When the machine enters the safety zone (too close to the operator) or moves outside the working zone (too far away), it automatically stops to maintain safe operation.

The operator is able to temporarily deactivate the 2-metre safety zone (via remote control) and work closer to the machine if needed in tight spaces.

eROPS

The electronic Roll-Over Prevention System (eROPS) helps prevent machine tipping and comes standard on every unit. It continuously monitors the machine's lateral angle during operation and if safe limits are exceeded, automatically deactivates the vibration system or reduces travel speed to minimize the risk of rollover. Operators are alerted through both visual and audible alarms.



Zero accidents

IR technology combined with 3DLF. With infrared control, the machine automatically stops if there is any obstacle or a loss of direct visibility between the roller and the operator.



2 - 20m operation

Standard operation distance. Clearly defined zones around the machine, precisely controlled via sensors, significantly improve machine safety during usage. The machine won't operate if it is less than 2 meters or more than 20 meters from the operator.

5 minutes training explains all

It only takes a few minutes for new operators to learn the necessities of the roller.



100% machine under control

Operator guidance in high inclinations. No limits in machine operation, even in dangerous jobsites.



SERVICEABILITY

Heavy-duty design

The robust design and fully welded frame make the machine extremely tough and 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.

Durable components

All parts and components are designed for durability and balanced to maximise life-time and performance. The key components are securely mounted and vibration-isolated to prevent damage on the toughest jobsites.

Tool-free daily inspection

Uniquely designed, wide-opening hoods provide exceptional access to the engine compartment and daily inspection points, enabling a quick overview of operational fluid levels. No tools are required to access daily maintenance points, helping ensure that all steps are completed quickly and effortlessly.

Safe maintenance

Ground access to all maintenance points improves safety and saves time. Periodic maintenance and service needs are minimised – and more efficient and thanks to accessible draining points and easy-to-reach filters.





20 hours saved during annual maintenance service

Easy service access keeps the machine out of the shop and on the jobsite.

25% cost reduction

Minimal time and attention are needed for components to perform at a high level.

2 minutes to "be ready"

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



100% safety

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



SUSTAINABILITY

Carbon footprint

Power train management optimizes output based on actual load demand, directly reducing fuel consumption. Machine design and technical solutions reduce parts wear and enable longer intervals between maintenance. The machines can utilise alternative green fuels.

Low costs of ownership

Innovative technologies reduce the amount and variants of fluids used and extend service intervals. The articulation joint is fully maintenance-free to prevent harm from neglectful operators and owners.

Smart digitalization

Optional ACE measurement system (Ammann Compaction Expert) continuously measures compaction progress. The system informs the operator about the progress in real time via highly visible LED stripes on the rear hood. This guides unskilled operators and helps them avoid unnecessary passes.

Connectivity

Every machine is ready for remote access that provides detailed machine status information. The data can be used to manage individual machines or for complete fleet management.





Up to 90% CO₂ reduction

The latest engine technologies and fuel options dramatically reduce emissions.

Up to 50% reduction of operation fluids

The volume and types of fluids needed are reduced, resulting in a decrease in operation fluids.



100% cycle control

Digital tools improve all parts of the process.



Unlimited planning

Life-cycle tracking is digitalized, ensuring accurate monitoring.

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.

ACE

A simple yet robust design is essential to the basic compaction meter, which is optimal for daily usage. It is ideal for those seeking additional information without evaluation or data in relative values.

- Measures relative compaction value, meaning the compaction increase between two passes
- Provides effortless quality control with no need for additional system settings
- Indicates frequency and double-jump mode



SERVICELINK

Delivering the data that matters

Ammann ServiceLink is a digital data management tool that provides customers with the information they want the most: machine location, battery status and hours. Data transfer is automatic thanks to new hardware, and access to the information is only a click away.

ServiceLink Light

Smart and intuitive solution for managing machine position and scheduling regular service. Designed for non-CAN based machines, this tool helps streamline maintenance planning and keeps equipment running smoothly with easy-to-access data management.

- Provides live machine location
- Updates working hours in real time
- Tracks battery voltage and TCU
- Can be accessed via online portal or mobile app



WHEN POWER IS PRIMARY

Trench rollers perform well in cohesive soil types that can be difficult to compact. The Ammann ARR 1575-2 and ARR 1585-2 are able to overcome the high moisture content in clays through their extreme compaction energy and the tamping effect of their padfoot drums. The machines perform effectively and quickly on less challenging soils, too.



■ ■ AMMANN TRENCH ROLLERS
EXCEL IN A VARIETY
OF APPLICATIONS,
INCLUDING DIFFICULT
COHESIVE SOILS. ■ ■



OPTIONS

The tools you need to succeed



Drums, including extensions

The dual-width configuration allows operators to quickly adapt to changing site conditions. The base operating width fits easily into tight trenches and restricted areas. For larger or less constrained jobsites, optional drum extension and scraper kits expand the working width, increasing surface coverage and compaction output.

- ARR 1575-2 - Drums 600mm (23.6 in) incl. extensions to 860mm (33.9 in)
- ARR 1585-2 - Drums 640mm (25.2 in) incl. extensions to 850mm (33.5 in)

Customer color scheme

The machine can be customized to match the customer's color scheme, enhancing brand visibility and ensuring seamless integration with the existing fleet. For functional and safety consistency, the ROPS, hard canopy, water tank, operator's platform, and inner drum remain gray.



Ammann Compaction Expert (ACE)



The compaction measurement system delivers real-time feedback on compaction progress. It signals when maximal density is reached, prevents over compaction, and boosts productivity while reducing fuel use, labor costs, and machine wear.

Maintenance kit

Optional maintenance kits keep machines running smoothly, minimize downtime, extend service life, and simplify maintenance management for clients.

Available kits for: 50 hours, 200 hours, 500 hours and 1000 hours



Biodegradable hydraulic oil

The machine can be equipped with biodegradable hydraulic oil, which breaks down quickly to reduce the environmental impact. It can replace standard hydraulic oil, provided all hydraulic filters are replaced during the upgrade.



External battery charger

External 100V-240V charger for transmitter battery ensures reliable operation by preventing unexpected power loss. The complete kit includes the charger, site-specific power adapter, and all required plug reductions. The battery fully charges in just 2 hours, delivering up to 16 hours of continuous operation.



Remote control battery

The spare battery provides a convenient solution for extended operating time, allowing quick battery swaps to keep work moving. It can be recharged directly from the machine via cable or with an external charger for maximum flexibility.

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.



TRAINING

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.

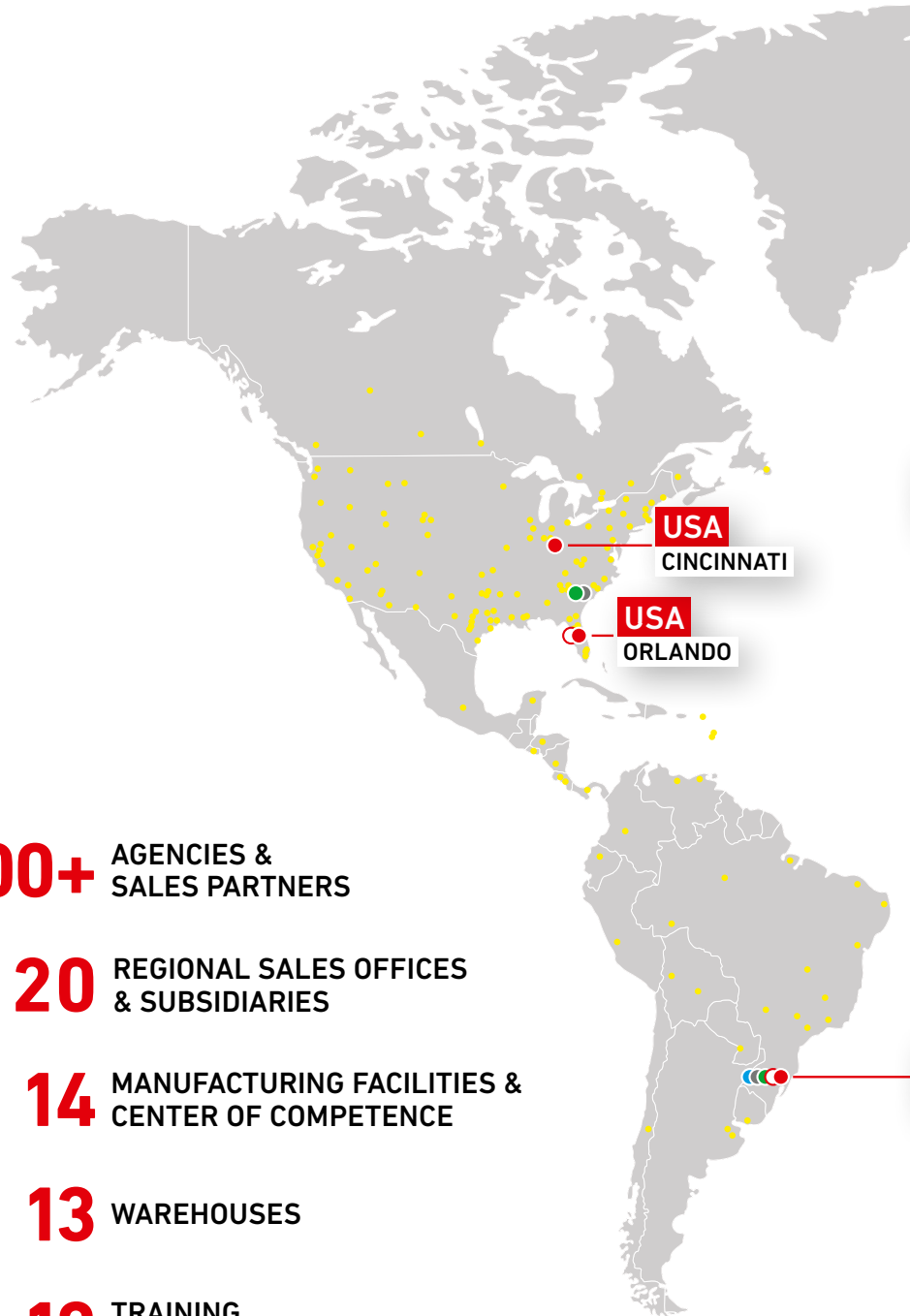
200+ AGENCIES & SALES PARTNERS

20 REGIONAL SALES OFFICES & SUBSIDIARIES

14 MANUFACTURING FACILITIES & CENTER OF COMPETENCE

13 WAREHOUSES

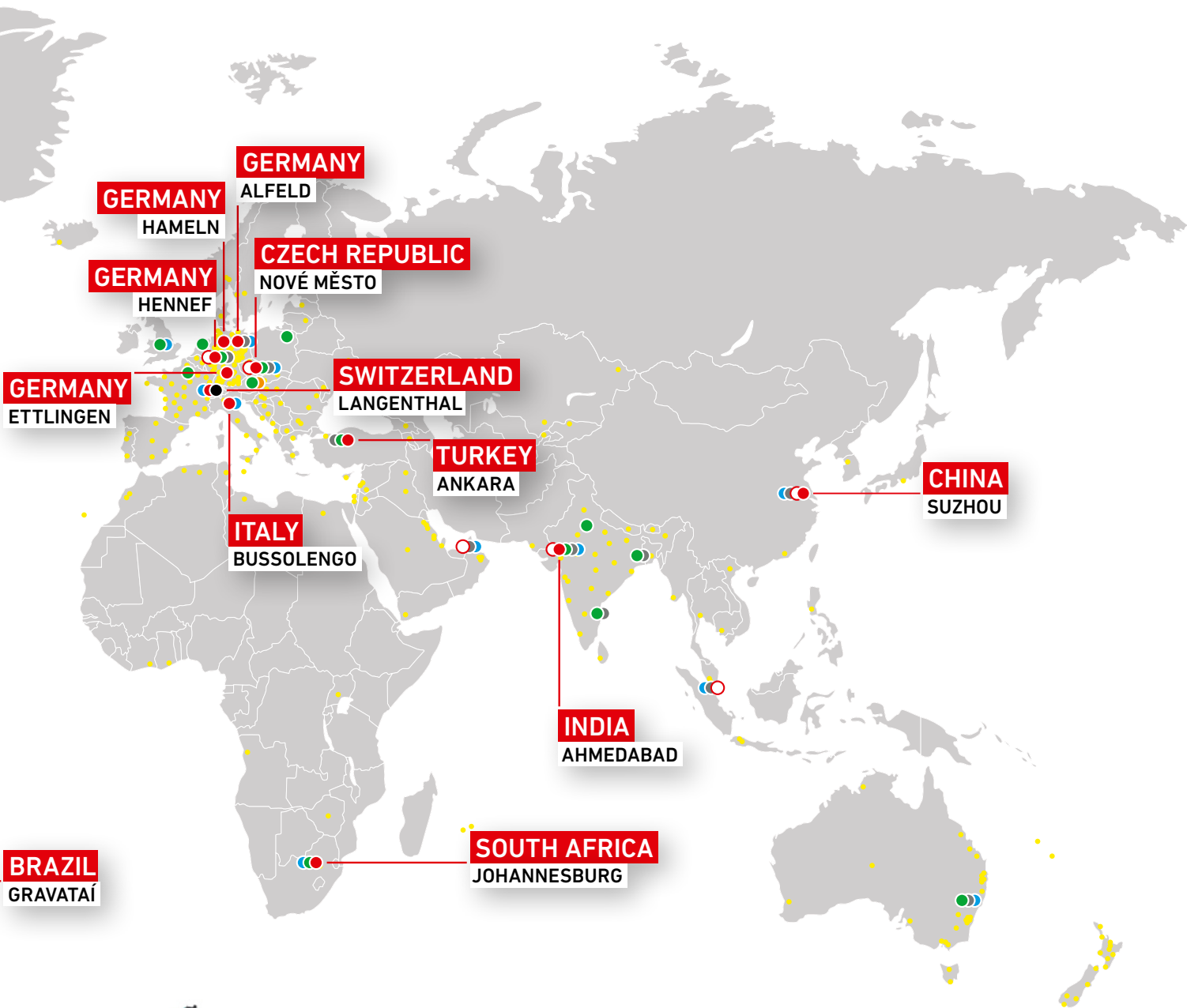
12 TRAINING CENTERS



PLANTS

ASPHALT-MIXING PLANTS

CONCRETE-MIXING PLANTS



GLOBAL DISTRIBUTION & SERVICE NETWORK

- | | |
|-----------------------------|---|
| ● HEADQUARTERS | ● MANUFACTURING FACILITIES & CENTER OF COMPETENCE |
| ○ REGIONAL SALES OFFICES | ● GLOBAL RETROFIT CENTER |
| ● SUBSIDIARIES | ● WAREHOUSES |
| ● AGENCIES & SALES PARTNERS | ● TRAINING CENTERS |



MACHINES

LIGHT COMPACTION
SOIL & ASPHALT COMPACTION
ASPHALT PAVERS

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