A WIRTGEN GROUP COMPANY

BENNINGHOVEN

Asphalt mixing plants

TYPE CORE

IT'S ALL IN THE MIX.

Leading asphalt mixing plant technology.

State of the Art! BENNINGHOVEN has been following this approach for over a century. Through consistent further development, growing from a trade workshop to a globally active company, BENNINGHOVEN is a pacesetter in the field of asphalt mixing plants today. Based in Wittlich, Germany, we produce state-of-the-art and flexible asphalt mixing plants and Retrofit components. With our environmentally friendly technologies for manufacturing rolled asphalts, asphalts with a high RAP proportion and reduced-temperature asphalts, the company develops solutions that are not only technically impressive but which also make a substantial contribution to environmental protection. Thanks to decades of experience in plant design and engineering, we offer customers throughout the world support for producing high-quality asphalt for durable and reliable road surfacing.

BENNINGHOVEN is a branch of Wirtgen Mineral Technologies GmbH and a member of the ever-expanding, global Wirtgen Group, which is in turn a key part of John Deere.

BENNINGHOVEN PRODUCT RANGE

- **CORE**
  Asphalt mixing plant
  "The rising star"
- **ECO**
  Asphalt mixing plant
  "The multi-talent"
- **TBA**
  Asphalt mixing plant
  "The specialist"
- **RPP**
  Recycling plant
  "The sustainable one"
- **RETROFIT SOLUTIONS**

BENNINGHOVEN

EFFICIENT TO THE CORE.

OPERATOR BENEFIT

TRANSPORT CONCEPT

PLUG & WORK

HIGH-TECH PLANT POWER

RECYCLING+

CORE
PERFORMANCE

For the modern plant operator, it's not just the performance that counts but the interplay between planning reliability, day-to-day efficiency and long-term ROI. The CORE type asphalt mixing plant combines an integrated plant design with state-of-the-art BENNINGHOVEN technologies.

CORE is a transportable asphalt mixing plant that makes a break with old ways of thinking and was developed to meet plant operator requirements from the outset. CORE opens a direct path to the world of BENNINGHOVEN asphalt mixing plants, combining reliable performance with minimal operating costs – "Made in Germany" and with tried-and-tested BENNINGHOVEN DNA.

This new and intelligent design takes an integrated approach to development, technology, logistics, assembly and customer support to create a cost-effective, readily available and future-proof plant. A clear choice of options, short process pathways and a new design concept ensure superior efficiency with a minimal footprint.

> Proven BENNINGHOVEN quality
> Usable worldwide
> Future-proof

DEVELOPED FOR YOUR SUCCESS. EFFICIENT DOWN TO THE VERY LAST DETAIL.

Operator benefit

> Low total cost of ownership (TCO)
> High process stability
> New, intelligent design concept
  – Plant layout with optimised footprint
  – Process advantages
  – Increased economic efficiency
  – Reduced energy consumption
> Comprehensive health and safety concept
> Well thought-out maintenance concept minimises downtime and ensures availability
> Ergonomics concept for high level of usability
> Long-term availability of wear/spare parts ensured
> Proven BENNINGHOVEN quality

Transport concept

> New design concept enables easy transport worldwide
> Lower transport costs: fewer packages, fewer trucks, fewer special-purpose transports
> Fewer packages thanks to clever logistics planning

High-tech plant power

> High level of asphalt quality
> High process stability
> Leading technological systems
> Smart Weighing System
> Modern BLS control system – easy and intuitive to use
> 24/7 remote support

Plug & Work

> High level of pre-assembly enables fast installation and disassembly of the plant
> Defined cable routing in pre-installed wire cable trays
> Clear installation instructions minimise installation and disassembly errors for additional safety
> Flexible foundations: transportable steel foundations or permanent concrete foundations
> Pre-configured interfaces for uncomplicated retrofits

Recycling+

> Asphalt granulate cold feed system

CORE
PERFORMANCE

THE HIGHLIGHTS

Perfectly positioned.

CORE
PERFORMANCE

01 Cold feed unit

> Individual 12 m³/16 m³ hoppers
> 5 or 6 hoppers, each with 3,500 mm loading width
> Flexible installation (I- or L-shape)
> Vibrator motor for first and second hopper
> Deflector plates on loading side
> Safety mesh screen 150 x 150 (conforms to EN 536)
> Mineral hopper bulkhead
> Optional belt scale possible in inclined conveyor
> Precise pre-classification (basis for flexibility via bypass)

02 Dryer drum

> Optimum drying and heating of the mineral
> Size: drum 9.23 with 216 t/h drying capacity
> Bolt-on lifter flights
> Bolt-on heat shield plates near the burner flame to keep wear to a minimum
> Frequency controlled
> Air insulation
> Anodised aluminium cladding
> Outfeed temperature measured by sensor loop, infra-red sensor optional
> Optional: oversize aggregate grid, ladder

03 Burner

> MULTI JET multi-fuel burner
> Mixed use of fuels
> On-the-fly fuel changes
> Remote access possible
> Fossil, regenerative, carbon-neutral and zero-carbon fuels all usable

04 Dust collection system

> Residual dust content <10 mg/m³
> Efficient filter function/dedusting
> Maximum use of space
> PAN filter cloth fitted, ARAMID optional
> Access via ladder with fall protection, optional via stairs with platform
> Fan with frequency control

05 Screen unit

> 5-fold screening at 220 t/h and with 24 m² screen surface area
> Optimised net screen surface area
> High performance and compact design
> Active mixing tower extraction system (standard)
> 250 kg slewing crane – easy to dismantle

06 Hot bin section

> 28 | 55 t in 5 or 6 bins
> Storage of the prepared mineral according to size
> Sand/bypass separate or combined
> Oversize aggregate discharged to outside
> Bypass operation with full batch size
> Continuous level indicator – standard
> Feeding via Smart Weighing System
> Mineral wool insulation, thickness 100 mm, density 80 kg/m³ for excellent thermal efficiency
> Additional wear plates made from Creusabro in the angled cone geometries of the first bin
> Wear ribs in all other aggregate bins – reclaimed material protection principle
> Temperature sensor in sand bin for reliable temperature control

07 Weighing and mixing section

> Fast and precise weighing and feeding
> Good accessibility
> 3 t mixer
> Twin-shaft pug mill mixer
> Exact measurement of outfeed temperature using infrared sensor with scavenging air function

08 Asphalt transfer

> Skip track
> Output via frequency control
> Release agent injection
> Skip track section is fully enclosed
> Access door with integrated inspection window
> All user controls arranged centrally outside next to access and therefore with optimal protection
> Innovative radar system for permanent and precise skip position measurement: robust and reliable with one-time calibration

09 Mixed material loading silo

> Direct loading or storage
> Storage capacity of 60 t
> 2x 26 t silo outlets and 1x 8 t direct loading
> Clearance height 4,200 mm
> Mineral wool insulation, thickness 100 mm (130 mm thickness in cone area), density 80 kg/m³ for excellent thermal efficiency
> Max. fill level sensor for all silos
> Safety mesh screen in filling area of all silo outlets with venting function

10 Bitumen supply system

> Optimum storage 60 m³ | 80 m³
> Efficient heating
> Thermal insulation concept (200 mm | 300 mm insulation)
> With agitator or mixing nozzle
> Dosing unit
> Vent pipe
> Filling pump incl. filter
> Tank truck discharge + sampling valve

11 Foundations

> Stationary concrete foundations
> Mobile steel foundations

12 Filler silo

> Reclaimed filler storage 40 m³ | 60 m³
> Imported filler storage + optional second imported filler silo
> Optional reclaimed filler loading
> Filler bucket conveyor

13 Control cabin

> Plant control
> Control of the mixing process
> Recipe management
> Full view of the entire loading area from the control cabin

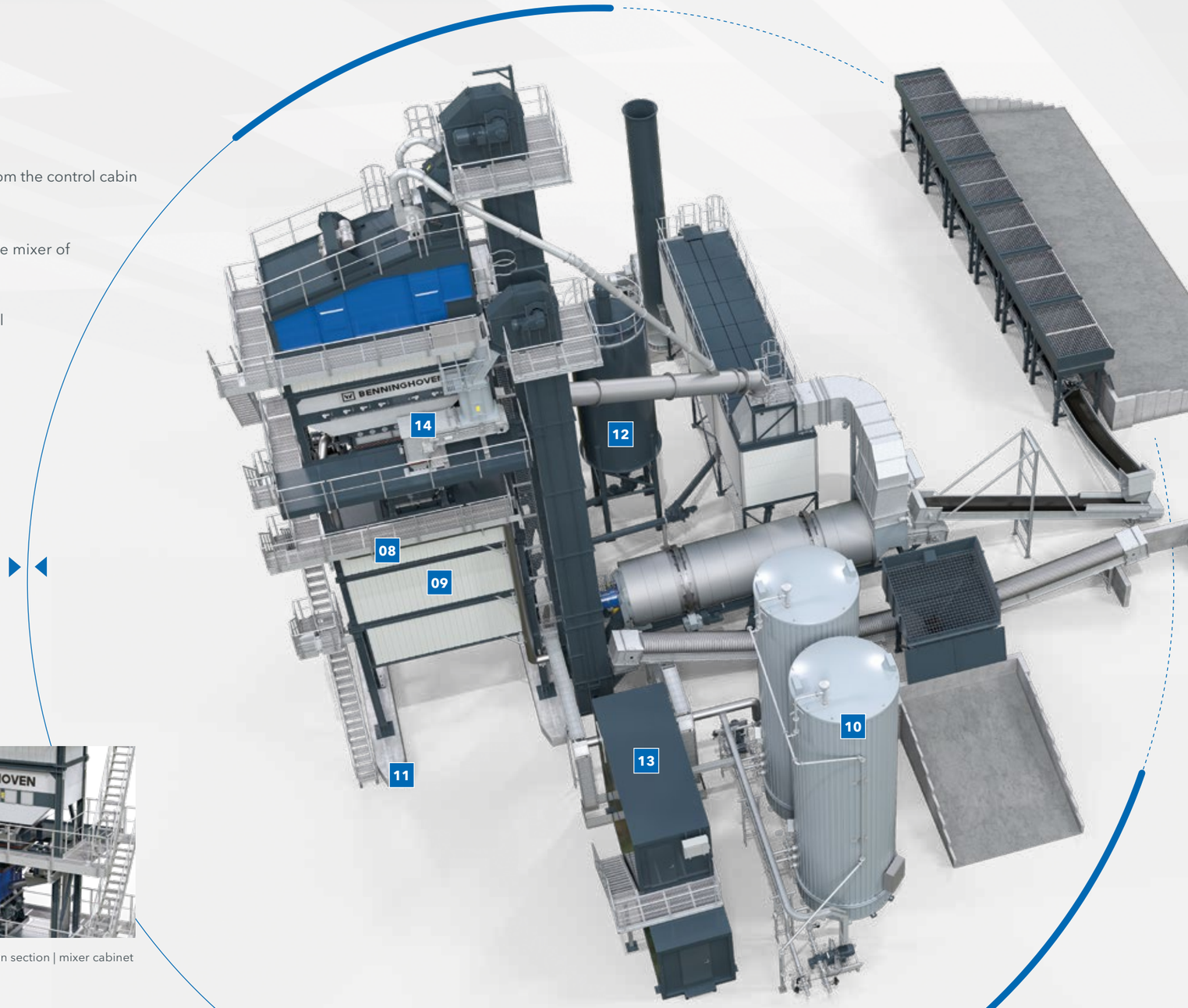
14 Cold recycling

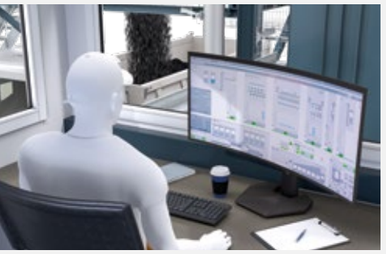
> Variable direct dosing system into the mixer of up to 40%
> 1–2 15 m³ RAP cold feed hoppers
> RAP bucket conveyor with FC control

15 Compressed air supply

> Screw compressor
> Optional in 20' container

CORE PERFORMANCE





Full view of the entire loading area

Defined cable routing | pre-installed wire cable trays

Low-maintenance access to hot bin section | mixer cabinet

LOW OPERATING COSTS

Cost-effective from the outset.

When purchasing a plant, many operators take a very close look at the initial investment costs. Nor should operating expenses be overlooked as a key element of these costs: there are many potential savings to be made here.

Anyone who invests in the right technology from the get-go can make significant long-term savings. That is what CORE is proving – with its new plant design plus targeted optimisation of components and processes. The new approach focuses on the key cost drivers of energy and fuel consumption, and optimises many different factors to achieve maximum efficiency despite reduced consumption, while increasing overall, long-term plant performance.

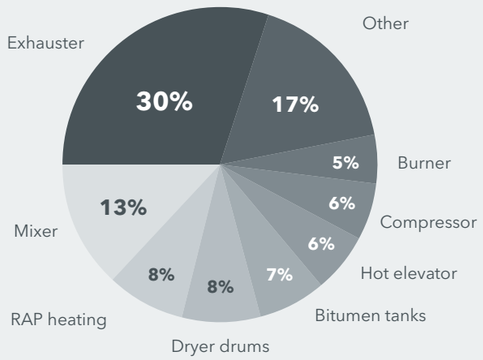
Reducing electrical energy demand

Fuel makes up around 92% of the total energy demand for an asphalt mixing plant, with the remaining 8% being electrical energy for drives, conveyor systems, etc. This ratio is also reflected in plant consumption costs: roughly 75% of running costs are accounted for by fuel consumption, with around 25% attributable to electricity. Most of the plant's electrical energy is consumed by the exhauster in the dust collection unit. Even small speed reductions translate to significant reductions in electricity demand here.

Use of frequency converters | soft starters

> Greater energy efficiency and process stability
> Performance adjusted to power take-off
> Use of leading FC suppliers ensures high quality and availability
> Integrated soft starter prevents high start-up currents, avoids wear on bearings, couplings, etc. and significantly extends motor service life.
> Consumers switched off if not in use
> Extension of plant lifetime

Energy demand for an asphalt mixing plant – overview of electrical energy



The basic principle is as much as needed – but as low as possible.

Anyone who invests in the right technology from the get-go can make significant long-term savings.

Frequency converter on the dryer drum
> More stable drying and improved product quality
> Lower energy consumption
> Dew point held efficiently – also suitable for low-temperature asphalt

Frequency converter on exhauster
> Significant energy savings, up to 40 kWh per operating hour
> Energy efficiency class IE4
> Noise reduction, significant increase in motor lifetime

Flexible fuel utilisation and consumption

The new burner generation is BENNINGHOVEN's answer to fluctuating energy prices and availabilities.
The simultaneous utilisation of four fuels maximises flexibility while making sure that operators can use the most economical fuel at any one time.

MULTI JET multi-fuel burner

> Multi-fuel burner with up to three other pre-configured fuels for later activation
> Noise emissions reduced by 5 dB(A) enables quiet plant operation and improved working conditions
> High energy savings translate to cost-cutting with electricity consumption reduced by up to 20%
> Optimal exhaust gas temperature control – as much as needed, but as low as possible.

MULTI JET CONTROL system

> Intelligent burner control for mixed use of fuels without interruptions
> On-the-fly fuel changes with no production stoppages
> Maximum flexibility with simultaneous use of four fuels in three different physical states
> Remote servicing

Insulation cuts costs

To avoid heat losses and to reduce noise emissions, BENNINGHOVEN has taken steps to ensure the comprehensive insulation of relevant plant components. This lowers energy demand, reduces operating costs and ensures low-noise plant operations.

Less wear – even under extreme loads

Asphalt mixing plants are subjected to high mechanical, thermal and abrasive loads during day-to-day operation. BENNINGHOVEN has therefore used Creusabro 4800: a high-performance, wear-resistant steel.

> Long service life thanks to specialised alloying and annealing
> 50% longer lifetime compared with conventional 400 HB steel
> High thermal stability (400–500 °C)
> Controlled material hardening under mechanical pressure/impact loads
> High resistance to cracking

Maintenance and servicing pays its way

Regular maintenance saves costs and ensures the efficient operation of the plant while cutting long-term costs. BENNINGHOVEN offers a comprehensive maintenance and servicing package that is aimed at optimising energy and resource consumption.

> Maintenance of compressed air unit – leaks cause energy losses of 2.4 kWh/day per hole (1 mm diameter, 6 operating hours)
> Inspection of sensor systems, to avoid incorrect readings due to soiling, malfunctions or wear.
> Annual dedusting service, aimed at avoiding high differential pressures (filter cloth replacement, tightness testing, dust measurements)
> Intake pressure testing to save on exhauster performance
> Inspection of fresh air flaps and seals on exhauster to avoid leakage air and reduce O_2 concentrations
> Burner servicing: measurement of emission values, air/fuel ratio and consumption

Up to four fuels
in three physical states

High-performance wear-resistant steel
Creusabro 4800

Regular maintenance
for improved cost savings

High level of flexibility
simultaneous use of up to four fuels

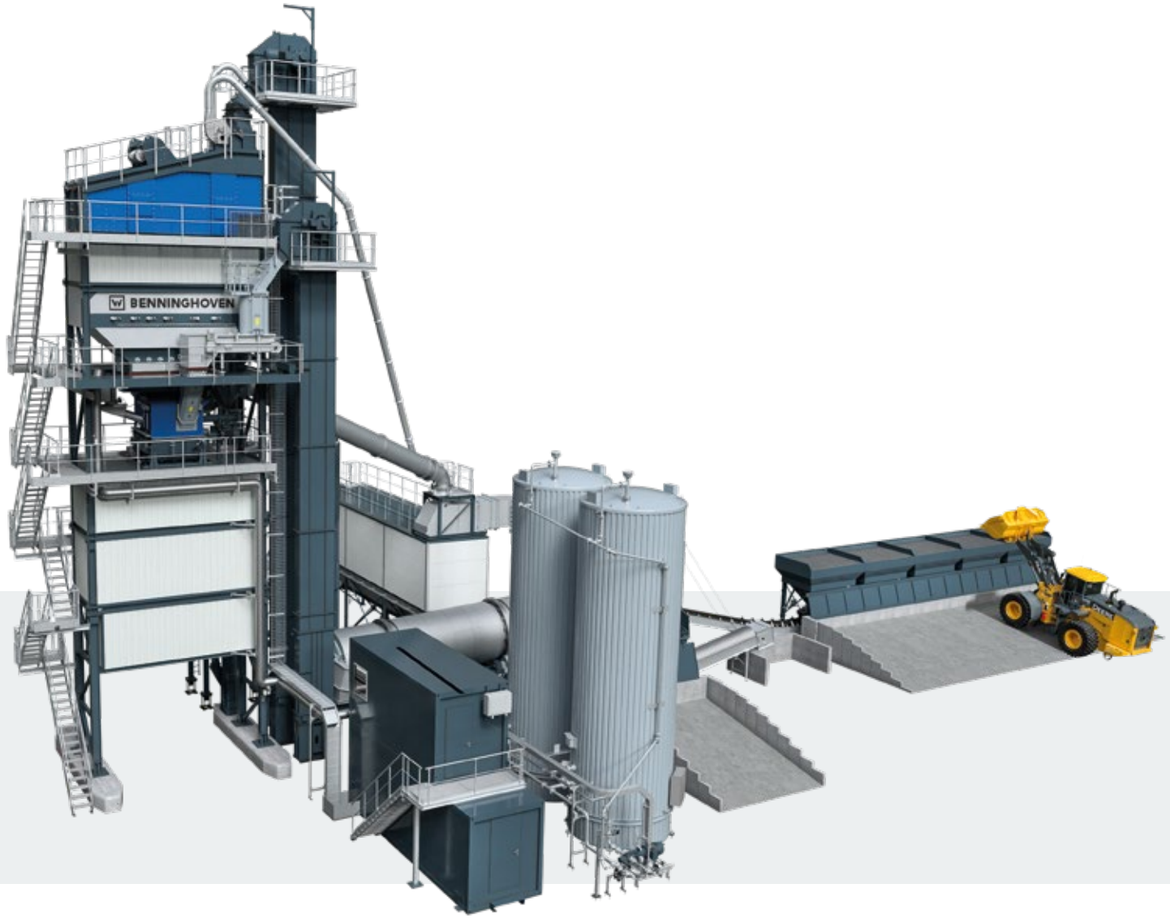
STRAIGHTFORWARD, COST-EFFECTIVE TRANSPORT

Ready for use – worldwide.

CORE's new and optimised logistics and transport concept makes the plant especially attractive for worldwide deployment while opening up new possibilities for international markets.

The optimised design of the CORE enables simple and especially cost-effective plant shipping, with significantly fewer truck transports needed. The shipping width of all mixing tower components is limited to no more than 2.5 m, while the shipping height is reduced to a maximum of 3 m.
This largely avoids the need for complex special haulage, and the corresponding extra costs for supporting vehicles and permits from transport authorities.

The well-designed logistics concept is another bonus here: intelligent pre-planning is used to significantly reduce the number of packages, as all components are pre-assembled and shipped as a compact unit. Even parts with large dimensions like the dryer drum can be transported in just a single package on a conventional low-loader. This considerably reduces the costs of logistics while also making shipping more sustainable.



max. 2.5 x 3 m (width x height)
reduced shipping dimensions for mixing tower components

Package reduction
with clever pre-planning

Lower costs
fewer trucks and special haulage

WELL-DESIGNED ASSEMBLY CONCEPT

Easily done.

PLUG & WORK

Feed systems

The CORE's impressive assembly concept offers a high level of pre-assembly that enables rapid and reliable plant assembly and disassembly. Thanks to its flexibility, it offers long-term protection for investments and is ready to meet the challenges of the future.

One key advantage is the new steel structure, which permits assembly with a crane rated at less than 90 t. This increases worldwide availability while significantly cutting costs: smaller cranes are easier to organise and much less expensive to operate.

This optimised steel structure also offers other advantages. As one example, smaller-scale foundation solutions can be completed with optimal adaptation to the respective subsurface. This reduces costs for plant operators. Beyond this, the plant also becomes attractive for mobile construction sites and projects with tight schedules, where quick implementation is a decisive factor. Pre-assembled wire cable trays also provide clearly defined cable management, not only reducing on-site assembly effort but also improving long-term operational reliability.

Detailed, easily comprehensible assembly instructions also help the assembly team during plant assembly and disassembly, minimising sources of error and making a significant contribution to on-site occupational safety.

Future-proof with pre-configured interfaces

CORE is designed for plannability and maximum protection of your investment. Thanks to CORE's modular construction and scalability, plant operators can start off with the base model and then adapt the plant later to target new market requirements or changes in their business environment. Pre-configured interfaces make expansion projects especially simple: retrofits can be completed quickly and cost-effectively without extensive retooling work. This ensures the plant remains a capable, sound investment.

Asphalt optimisation with feed systems

BENNINGHOVEN offers a variety of feed systems – Plug & Work. The plant grows step by step to meet your requirements.

> Granulate feed system
> Adhesive system
> Bag feed unit
> Foam bitumen module
> Cold recycling feed system

High level of flexibility
for changing locations

No downtime
thanks to reliable performance

Efficient and quick
Planning and execution

ERGONOMICS, MAINTENANCE, AND HEALTH & SAFETY CONCEPT

Safe to the core.

CORE's design and development has been built around exceptional functionality that precisely targets the needs of mixing supervisors, technical plant personnel and wheel loader operators. At all times, the focus is squarely on occupational safety, functional reliability, optimum accessibility and legal peace of mind for plant operators and owners.

Maintenance access openings always at least 600 x 600 mm
conforming to EN 536

Ergonomics and maintenance concept

> At BENNINGHOVEN, maintenance access openings into components are always at least 600 x 600 mm (conforms to EN 536).

> Large expansion space above the mixer allows upright working during service tasks.

> Clever layout of components – easy maintenance, secure escape routes, occupational safety, large installation space

> Option for forced ventilation by opening various maintenance access openings, plus manual activation of the dedusting system exhauster at 15% capacity for active extraction during work in enclosed spaces (e.g. mixer cabinet, dryer drum).

> Anchor points for PPE against falls from a height

> Wear parts are mostly bolted on – with good accessibility

> Most lubrication points are in a central, ergonomic position, with colour coding

> Compressed air connection for tools and maintenance work

> Centralised compressed air maintenance units prevent corrosion and wear or components seizing up – so as to protect all pneumatic parts. For fewer points of failure and less maintenance effort

> Centralised instead of local placement of control cabinets in an air-conditioned container ensures excellent system stability while protecting from external factors like dust, dirt, moisture and warmth.

> The control cabin has large windows for plenty of daylight plus good views of loading. The cabin is weatherproof, well-insulated and air-conditioned (heater + A/C unit).

> Foot access designed for conformity to DIN EN ISO 14122-1-4 and all international safety standards.

> Railing design meets all international requirements

> Stair width of 600 mm for comfortable, safe accessibility

> Ergonomic features of handrails and railing transitions ensure design is safe and comfortable

> Rapid wear part replacement – patented interchangeable wear protection plate for cold RAP chute

> Standards-compliant, generously proportioned entry point on long side of hot bin section for safe access

> Large access openings between the bins for service-friendly maintenance (hot bin section)

> Inspection openings on the sides in all bins for a simple approach to inspection/maintenance

PLUG & WORK

Health and safety concept

The CORE health and safety concept is based on an integrated approach to minimising risk, and to ensuring the safe, reliable and standards-compliant operation of the plant.
All safety-relevant components and functions are systematically designed for the protection of operating, maintenance and service personnel, and for high operational reliability.

> Conforms to Machinery Directive 2006/42/EC and Machine Regulation EU 2023/1230 (valid from 20 January 2027)

> Compliance with applicable standards, such as DIN EN 536 (Road construction machines – Mixing plants for road construction materials) and other relevant international standards, for optimum occupational safety

> CE conformity

> Emergency Stop switch

> Contact protection on the complete drivetrain of the mixer and on all pneumatic cylinders

> Enclosed material transfer areas

> Optimum illumination of the work and maintenance areas with LED technology in enclosed areas

> Safe access to all service and maintenance points (guard rails, ventilation openings, etc.)

> Cable routing is structured, defined, protected, centralised and easily accessible (wire cable trays, strain relief)

> Fall protection

> Anti-slip floors (R12)

> Escape routes ensured – headroom and sufficient width

> Automatic venting of the pneumatic units for maintenance and in the event of a malfunction

> Hot bucket conveyor, RAP elevator with maintenance drive conforming to EN 536

> Key transfer system for increased occupational safety

BENNINGHOVEN > GOOD TO KNOW

The BENNINGHOVEN key transfer system for better occupational safety

> Key-operated, mechanical system
> Based on the premise that a key cannot be in two places at the same time
> The key can only be removed in the safe state if there are no hazards present.
> Safety concept with highly intuitive operation
> Purely mechanical interlocking device – robust and not prone to malfunctions
> Cannot be tampered with or bypassed

PLUG & WORK

Cybersecurity
CORE also meets the highest standards for security in a digital context. Accordingly, cybersecurity has been implemented systematically in accordance with the EU Machinery Regulation (EU) 2023/1230 and relevant standards, so as to ensure secure and reliable operation at all times.

HIGH-TECH PLANT POWER

The can-do plant.

As the ideal plant solution at an attractive price point, CORE offers a clearly defined range of options and a high rate of output for producing asphalt at an outstanding level of quality.

Unsurprisingly, no compromises whatsoever have been made in the plant's core components – the technical systems. Tried-and-tested BENNINGHOVEN quality can be found in every detail here – for impressive performance, constant mixing quality, energy efficiency, flexibility and operational reliability.

Screen unit

> Screen surface area 24 m²
> Two high-performance unbalance motors provide an efficient and powerful drive system
> 360° maintenance and access concept
> Maintenance door design = pivot-and-turn mechanism
> 250 kg slewing crane (optional) fully pre-assembled, no on-site assembly
> The change-over flap enables rapid switching between bypass and screening operation
> Bolt-on wear plates from high wear-resistance Creusabro in the material flow area

Weighing and mixing section

> Generously proportioned mixer geometry
> Pre-configured interfaces for feeding RAP material, bags, foam bitumen, granulate, powder, fibres and adhesive
> Optimum fill level (<60%) – no overfilling
> Highest-quality materials for extreme conditions
> Wear-resistant, bolt-on cast lining for maximum service life

Dust collection system

> Low residual dust values – fine particulate emissions of less than 10 mg/m³
> Ergonomic filter bag replacement
> Simple handling (powder-coated, weight-optimised support baskets)
> Cost-effective total energy footprint – energy savings thanks to low differential pressure from optimised air routing
> Long service life for filter bags, thanks to gentle, homogeneous inflow
> Adjustable pre-separator (cut section)
> Large installed filter surface area
> Highly reliable operation
> Low thermal loss thanks to external insulation
> Easy access options for maintenance
> High level of safety thanks to all-around railing and key transfer system

Dryer drum

> Optimum drying and heating of the mineral
> Control with frequency converter
> Simple replacement with bolt-on lifter flights
> Wear protection with bolt-on heat protection plates near the burner flame
> Reduced heat losses thanks to air insulation
> Other options: infrared sensor, oversize aggregate grid, ladder

CORE PERFORMANCE

BURNER TECHNOLOGY

State of the art.

The MULTI JET burner – pioneering burner technology, ready to go

The BENNINGHOVEN MULTI JET burner combines the stability and robustness of the previous EVO JET models with pioneering technological advances like the new MULTI JET Control burner control system. A key point of focus here is the flexible mixed fuel use, which permits the simultaneous usage of up to four fuels – including 100% hydrogen – via separate nozzles. This offers a great degree of flexibility when choosing the most economic and most available energy source. Another highlight is the on-the-fly fuel changeover – with no stoppages or production downtime.

BENNINGHOVEN Burner test rig

> 4 fuels simultaneously in 3 physical states

> Mixed use of fuels

> On-the-fly fuel changes

> Automatic switching during peak loads (gas)

> Remote access possible

> Optimised airflow: reduces electrical power consumption by 20%

> Noise emissions reduced by 5 dB

> Heat transfer increased by optimised usage of combustion chamber

> Burner test rig for testing potential alternative fuels

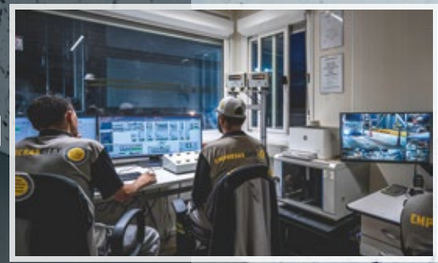
> Fossil, regenerative, carbon-neutral and zero-carbon fuels all usable

HIGH-PERFORMANCE BLS 4 CONTROL SYSTEM

High degree of usability and functionality.

The modern BLS plant control system enables the comprehensive operation and system monitoring of all components. An overview of relevant plant information is presented within a single graphical visualisation, while operation is user-friendly and intuitive. A lifecycle management process is deployed to keep software and hardware up-to-date at all times. The control system offers a wide range of parameters and settings to ensure maximum flexibility, and is easy to use for both seasoned professionals and new plant operators.

> Latest hardware and software
> Intuitive operation: directly incorporates best practice from mixing supervisors
> Life cycle
> High level of IT security
> New curved monitor
> Predesigned trend configuration
> Smart Weighing System
> Recipe Generator 4.0



CORE RAP SYSTEMS

Economical and eco-friendly.

BENNINGHOVEN
SUSTAINABILITY

The use of reclaimed asphalt pavement (RAP) helps to conserve primary resources. And that is only one of many reasons for using reclaimed material. National legislation, the reduction of emissions and greater economic efficiency are all points in favour of a closed-loop economy and environmentally friendly asphalt production.

Advantages of using RAP material

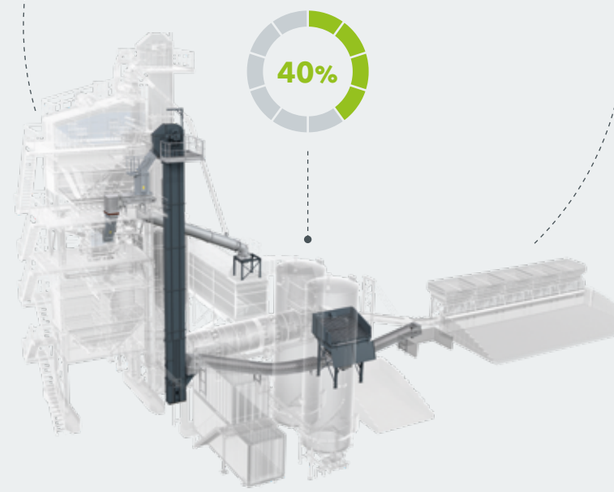
> Conservation of natural resources (minerals/bitumen)
> Highest possible degree of re-use based on the circular economy principle
> Reduction of carbon emissions across the entire process chain: use of RAP material from the plant's immediate environs, short delivery routes, reduced use of minerals (quarrying/breaking) and bitumen (refinery).
> Proactive response to bitumen availability
> Increased economic efficiency

Eco-friendly production
Conserving resources

Improved economic efficiency
thanks to easy retrofitting

Variable cold feed into the mixer

> 40% feed rate
> No separate steel support structure required
> RAP elevator – inlet catch incl. wear protection
> Maintenance access opening on inlet catch on the right in conveying direction
> RAP elevator – outlet catch incl. wear protection
> Maintenance access openings on both sides in discharge area
> RAP chute – access to the maintenance access openings
> Access via ladder to the chain bucket conveyor
> Buffer container maintenance access openings maintenance cover incl. integrated door 700 x 500 mm on cover of buffer container



MAXIMUM CUSTOMER FOCUS

The best recipe: more than 100 years of experience.

Our service does not start only when the order is signed or end with commissioning. The comprehensive customer support at BENNINGHOVEN already starts much earlier on during the preparation phase of a project.

Most importantly, this includes complete and competent support to help you find the best possible plant solution. We believe it is important to take into account technical as well as location-related requirements and to develop an appropriate logistics concept.

Technical support
> Remote access
> Application consulting
> Training
> Operator days
> Spare parts
> Prevention and inspection
> Retrofit
> Energy optimisation

Logistics concept
> Logistics routes / infrastructure at plant and mixing station
> Ship and truck loading
> Transport planning
> Links between transport and installation
> Approval process

Plant engineering
> Technical plant and operating descriptions
> Installation and layout plans
> Emissions measurement
> Safety devices
> Structural calculations
> Advice on current standards

Environmental requirements
> Topography
> Industrial area / nature reserve
> Urban planning restrictions
> Colours / enclosures

SUSTAINABLE SOLUTIONS

Green technology.

BENNINGHOVEN
SUSTAINABILITY

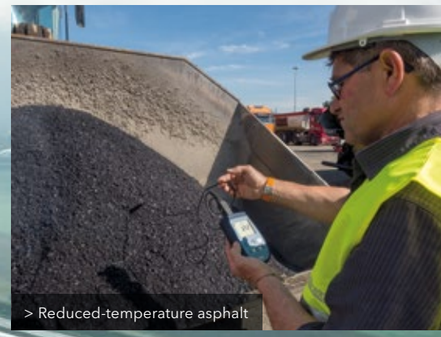
BENNINGHOVEN is also state-of-the-art in all areas where "being green" matters – from the economical use of resources to an overall environmentally friendly production process at our state-of-the-art main factory.

Working more efficiently with sustainable and economical technologies is the challenge we face both now and in the future. BENNINGHOVEN offers a variety of innovative solutions for reducing emissions and securing the future of asphalt mixing plant sites. State-of-the-art technologies ensure that stringent legal requirements are met or even exceeded.

Considering the entire road construction process from material acquisition and asphalt production to building the roads, companies can cut carbon emissions by up to 72% with these technologies (90% RAP feed rate, zero-carbon fuel; source: www.wirtgen-group.com/en-gb/company/wirtgen-group/sustainability/reducing-emissions/).

> Reusing asphalt

> Storing materials correctly



> Reduced-temperature asphalt

> Electrifying bitumen tanks

> Using renewable fuels

SERVICE AND GENUINE SPARE PARTS DIRECTLY FROM THE MANUFACTURER

Your experts for a comprehensive plant solution.

Service that you can rely on. You can count on our reliable and fast customer support during the entire life cycle of your CORE plant. Our wide range of services includes solutions for all of your challenges. After all, regular expert service plus the supply of genuine spare parts form the basis for keeping your plant running smoothly and economically while maintaining its value in the long term.

Customer support

> 24/7 plant availability
> Avoidance of delays or unplanned downtime
> Early identification of defective or worn parts
> Reliable operation
> Dependable deliveries to your customers
> Risk minimisation when supplying large construction sites
> Safe working conditions for your operating personnel
> A preventive approach to securing the future of the site – you can rely on our support as your service partner

Service

We deliver on our service promise – with fast and straightforward assistance. All our service teams have received specialised training. Repair, service and maintenance tasks can be completed quickly with special tools. If required, we can also provide support via customised service agreements. We provide a comprehensive portfolio of services for your plant: from routine servicing for your burner, elevator, mixer or drum to weigher calibration. We can also organise full site inspections, dedusting and technical support work.

> www.wirtgen-group.com/service

Spare parts

WIRTGEN GROUP original spare parts and accessories ensure a high level of reliability and availability for your CORE plant over the long term. Our experts can also advise you on application-optimised wear part solutions. Our parts are always available worldwide and the ordering process is easy. After all: our common goal as manufacturer and operator is to avoid downtime and the substantial costs associated with such interruptions.

> parts.wirtgen-group.com

Training

Fit for BENNINGHOVEN CORE: even the most user-friendly plant can only achieve its full potential if it is comprehensively understood and safely operated. Training is the key to success here. This is why BENNINGHOVEN gives its customers comprehensive support from the outset. Not only during commissioning but also with aftersales training to optimise workflows and efficiency. Additional training is also offered for the BLS plant control system and the recipe generator – either on site or in an online format. This "driver's licence" for the asphalt mixing plant ensures that all functions can be used to the full. That gives operators peace of mind while ensuring constant product quality in the daily routine.

> www.wirtgen-group.com/training

BENNINGHOVEN

BENNINGHOVEN
Branch of Wirtgen Mineral Technologies GmbH

Benninghovenstraße 1
54516 Wittlich
Germany

T: +49 6571 6978-0
M: info@benninghoven.com

www.benninghoven.com