

A WIRTGEN GROUP COMPANY



BENNINGHOVEN

BENNINGHOVEN SERVICE
CUSTOMER SUPPORT

SERVICE AND GENUINE SPARE PARTS DIRECTLY FROM THE MANUFACTURER

YOUR EXPERTS FOR A COMPREHENSIVE PLANT SOLUTION.

CUSTOMER SUPPORT

Regular expert service on your asphalt mixing plant and supply of genuine spare parts are the basis for keeping your plant running smoothly and economically while maintaining its value in the long term.

- > 24/7 plant availability
- > prevent delays or unplanned downtime
- > early identification of defective or worn parts
- > reliable operation
- > dependable deliveries to your customers
- > risk minimisation for supplying large construction sites
- > safe working conditions for your operating personnel
- > secure the future of your site through prevention

We support you with this as your reliable service partner.

CONTACT US DIRECTLY

For further information scan the QR-Code or go to www.wirtgen-group.com/vertrieb-und-service-weltweit



TECHNICAL SUPPORT

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BURNERS

01 Unique burners with excellent properties

BENNINGHOVEN is a world market leader in burners for asphalt mixing plants and a manufacturer of multi-fuel burners with up to 4 fuels. The complete technical know-how and wealth of experience from over 70 years of burner competence support the development of unique burners with excellent properties.

We also offer comprehensive service by recognised burner experts.

Our services:

- > burner review
- > burner maintenance*
- > monitoring of the mandatory official recurrent emissions measurements (TÜV testing)
- > combination of burner review, maintenance, supporting measurements
- > settings/adjustments
- > repairs

* German TA Luft regulation: The burner settings and the functioning of the filter equipment must be checked regularly and serviced at least once a year.



DRYER DRUM AND RAP DRUM



02 Perfectly positioned

Dryer drums for virgin mineral and recycling material are essential components of asphalt production. They are subject to user-related wear and should be kept at the status quo with targeted service work.

The targeted removal of visible running marks and wear on rollers and rings ensures optimum running of the dryer shell. An even rolling movement with optimum transmission of forces minimises the strain on bearings and guide elements, increasing their service life. At the same time, this reduces the current consumption to a minimum.

The drum service ensures maximum reliability, energy efficiency and economic efficiency.

Our services:

- > advance evaluation of the condition of the drive rollers
- > on site: check of the condition of the frame, rollers, rings and spring plates
- > dressing of the drive rollers
- > grinding of the trunnion rings
- > levelling and adjusting of the drive rollers (our recommendation: repeat this process every year under production conditions)

MIXER

03 For mixing at the highest level

The mixer is the heart of an asphalt mixing plant. In the mixer, the virgin mineral is mixed intensively with the binder and the filler to produce a homogeneous mass. Due to the high strain in terms of wear, weight and transmission of forces, only materials of the highest quality are used to manufacture the mixer.

Our services:

- > complete overhaul or partial work
- > drives (replacing motors, gearboxes)
- > agitator (shafts, seals, replacing paddles, etc.)
- > liner wear plates (replacing all wear plates: trough, end walls, rotary slides)



04 Your direct advantages from our BENNINGHOVEN core know-how

As part of in-house production monitoring, owners of asphalt mixing plants are obligated to calibrate the scales annually and document this.

We can carry out the calibration for you as a service based on the appropriate requirements and situation. To do this, we use innovative BENNINGHOVEN measuring equipment that ensures fast and efficient completion.

The measuring system is based on the principle of measuring tractive forces. It consists of an edge stop set and an electronic calibration system. Loading the scales with separate, calibrated weights is not necessary. This makes handling very easy, fast and ergonomic.

The calibration system can be used to check and adjust the aggregate, filler, bitumen and RAP scales.

Our services:

- > scales calibration using tractive force measurement, including a report
- > aggregate scales
- > filler scales
- > bitumen scales
- > RAP scales

05 For a clean performance

Dust collection units are essential for operating asphalt mixing plants. The dust generated during the mixing process, in particular stone particles and bitumen vapours, have to be extracted and filtered. This is relevant to the design of the plant processes, but is also subject to official regulations in terms of emissions during asphalt production. These regulations are currently being tightened up increasingly in many countries and regions.

Our services:

- > dust emissions measurement* in the stack
- > tightness test with fluorescent powder for localising leaks (if dust values are too high or for recurring official emissions measurements)
- > replacing filter bags

* German TA Luft regulation: The burner settings and the functioning of the filter equipment must be checked regularly and serviced at least once a year.



06 Good to know - optimum control of the plant

All processes and functions of a mixing plant are controlled with an electronic plant control system. The system offers the mixing foreman an interface with the best possible ease of operation and maximum reliability for plant operation.

At the same time, the plant operator has a high level of flexibility for adjusting the plant to a number of different requirements. This requires taking into account influencing factors such as mixing ingredients, recipe and quality requirements, fuels, current ambient conditions (temperature, humidity) and much more in such a way that quality assurance, reliability and economic efficiency remain ensured.

The correct running of the plant therefore offers great optimisation potential. Regularly training plant personnel can save a lot of money: Energy consumption, minimising wear, preventing damage, efficient and effective maintenance and servicing are only some of these aspects.

Our services

(contents and scope can be customised):

- > plant control training*
 - training at the Wittlich factory (in-house)
 - online training on your mixing plant (virtual)
 - training directly on your mixing plant (on site)
- > maintenance and service training*
 - components and their regular checks, maintenance and servicing
- > workshops for teams

* The training courses can be individually tailored in terms of duration and contents.

SERVICE WORK



07 Your direct advantages from our BENNINGHOVEN core know-how

As we manufacture all components, we have a high level of skills in all areas of an asphalt mixing plant. This means we can offer practical support to you as the plant owner in all matters, whether conveyor systems, screens or loading silos.

Our know-how includes:

- > conveyor systems
- > elevators
- > burners
- > screens
- > weighing systems
- > pneumatics, and much more

Our services:

- > metalwork (e.g. replacing components and spare parts)
- > welding (e.g. lining with wear plates)
- > electrical work (e.g. integration and replacing of electric parts)

INSULATION AND TRACE HEATING

08 Using energy sustainably

Our technical insulations meet the highest requirements and are durable and safe. They reduce thermal losses and noise emissions. The insulation materials are also subject to an ageing process during the life cycle of an asphalt mixing plant. Replacing the insulation can therefore make a significant contribution to saving energy.

Our services:

- > replacing insulation
- > spot repairs on the insulation
- > replacing the base heating on the bitumen tank, including the insulation
- > replacing electrical trace heating units



PLANT REVIEW

09 So everything continues to run smoothly

Based on our varied expert knowledge as a manufacturer and our longstanding experience in supporting mixing plant customers, we have developed a structured plant review together with customers, which we offer as a service.

Choose the safe option and use our wear check service. Our field engineers check, assess and record the condition of your plant. You receive independent feedback on any required actions. This protects you against unexpected surprises and helps you to plan any measures in good time. You can keep an eye on the condition of your machine and are alerted to potential failures due to wear early on.

Prevent investment backlog, plan in good time, stay up to date - a good feeling for you and your employees.

Our services:

- > visual inspection of the individual components
- > inspection of wear parts based on checklists
- > a detailed wear and maintenance record
- > advice and support for required measures
- > a quotation for the genuine spare parts



10 For a reliable performance

The BENNINGHOVEN Technical Support (hotline) at our main factory in Wittlich provides support for plant personnel and for service employees on site.

The telephone service offers help for questions regarding plant operation and troubleshooting. It can also help to eliminate faults very efficiently and effectively and sometimes to completely avoid an engineer visit at your site, which costs time and money.

The Technical Support becomes even more efficient by using remote service and remote access options. For older plants, we recommend very simple retrofit kits, if this is technically feasible.

Our services:

- > 24/7 telephone support with remote access* worldwide
- > database cleansing, database backups
- > repairing control system components
- > retrofitting remote access systems

* Prerequisites for remote access: The required technical systems must be available. Access is possible only after enabling by the customer.





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