

THE MULTI-TALENT

Transportable asphalt mixing plants



The ECO asphalt mixing plant with capacities from 100 to 320 t/h impressively demonstrates BENNINGHOVEN technologies and the high manufacturing standards.

The modular structure makes it possible to integrate a number of high-tech components which can be retrofitted quickly and easily using the "Plug & Work" principle. This enables plant owners to increase both the economic efficiency and the investment security of the plant.

The plant is characterised by a high level of mobility and therefore optimum flexibility. It is suitable for stationary operation but can also handle fast site changes without any loss of quality, delivering a crucial benefit for large temporary construction sites.



THE HIGHLIGHTS

Perfectly positioned.

Plug & work

- > Fast installation (assembly and dismantling)
- > Modular expansion possible
- > Mobile or stationary foundations - rapid relocation
- > Pre-configured interfaces

High-tech plant power

- > Wide range of mixing capacities 100 - 320 t/h
- > Hot bin section capacity 17 - 87 t
- > Mixed material storage silo capacity up to 400 t in 8 bins
- > Mixed material storage silo installed in line or parallel

Recycling*

- > Cold recycling up to 40 %
- > Hot recycling up to 70 %
- > REVOC system as an add-on for complying with emissions regulations
- > Retrofitting possible at any time

Transport concept

- > Main components in transport-optimized container dimensions
- > Simplified, cost-efficient transport worldwide

Operator benefit

- > Ergonomics concept
- > Health and safety
- > Maintenance concept

Sustainable solutions

Eco-friendly asphalt production - carbon-neutral, energy-efficient and economical

- > Reusing asphalt (recycling material)
- > Storing virgin mineral and recycling material correctly
- > Using low-temperature asphalt
- > Electrifying bitumen tanks
- > Using renewable fuels



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SUSTAINABILITY

BENNINGHOVEN SUSTAINABILITY describes innovative technologies and solutions which are consistent with the sustainability objectives of the WIRTGEN GROUP.

HIGH-TECH PLANT POWER

Pure passion.



01 Cold feed system

- > Individual hopper, each 12 m³/16 m³/20 m³
- > Precise pre-classification
- > Flexible installation (I, L or T shape)

02 Bitumen system

- > Optimal storage
- > Efficient heat insulation concept
- > Efficient heating
- > Expanded options with intelligent BENNINGHOVEN technologies

03 Dust collection system

- > Efficient filter function / dedusting
- > Maximum use of space

04 Dryer drum with burner

- > Optimal drying and heating of the mineral
- > Different versions of the drum depending on the requirements
- > Control with frequency converter possible

05 Control cabin

- > Plant control
- > Control of the mixing process
- > Recipe management

06 Foundations

- > Stationary concrete foundations
- > Mobile steel foundations

07 Filler silo

- > Storage of reclaimed filler
- > Optional reclaimed filler loading (loading hose, loading fittings, filler water mixer)
- > Optional storage of imported filler

08 Mixed material storage silo

- > Direct loading or storage
- > Flexible positioning
- > Various expansions (in line or parallel expansion)
- > No mixed material storage silo possible
- > Direct loading up to the storage capacity of 400 t (1 - 7 chambers)

09 Asphalt transfer

- > Direct transfer (up to 53 t mixed material storage silo)
- > Skip track (60 - 400 t mixed material storage silo)
- > Diverter chute (60 - 109 t mixed material storage silo)

10 Weighing and mixing section

- > Fast and precise weighing and dosing
- > Good accessibility
- > 2 t mixer
- > 3 t mixer
- > 4 t mixer

11 Hot bin section

- > 17 - 87 t
- > In 5 or 6 bins
- > Stocking of the prepared mineral according to size
- > Sand / bypass separate or combined
- > Oversize aggregate discharged to outside or into the last bin

12 Screen unit

- > 4-fold / 5-fold / 6-fold screening
- > High performance and compact design

13 Mixing tower

- > Optimum wear protection, long service life
- > Trouble-free process

14 Slewing crane

- > Lifting capacity 500 kg



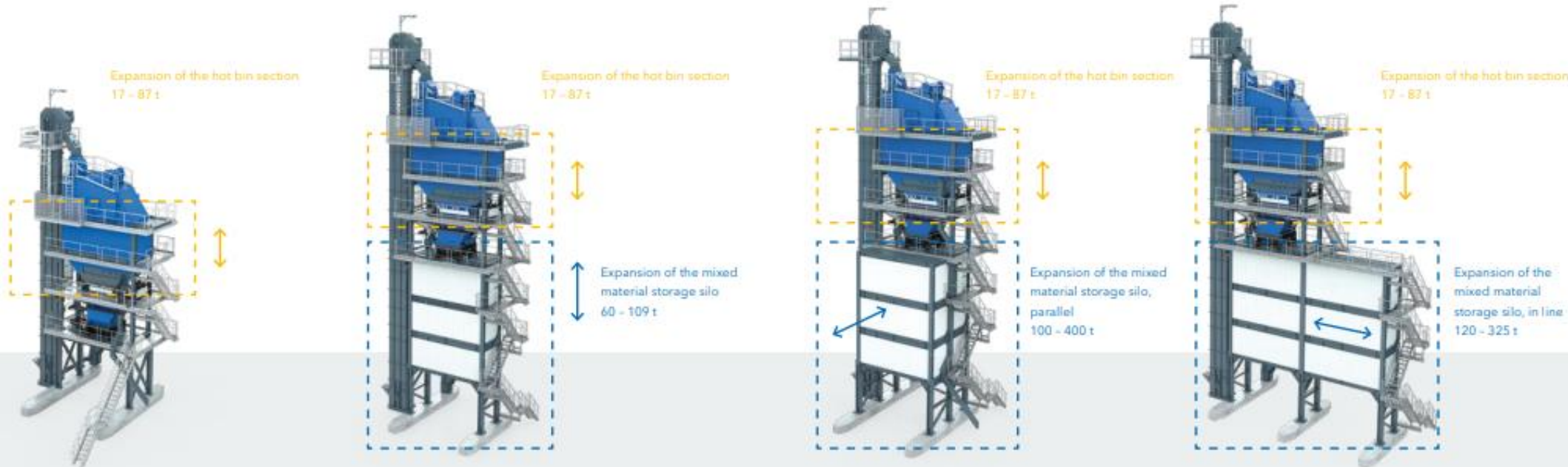
THE ECO VARIETY OF OPTIONS

Thought further.

A clever modular system - composed of modules and adaptable at any time.

The modular BENNINGHOVEN design also enables the integration of a large number of high-tech components which can be quickly and easily adapted to the specific needs of the plant owner, even at a later stage. BENNINGHOVEN ensures this with its pre-configured interfaces (plug & work) which can be activated at any time. Individual configuration of the hot bin section or the expansion options for the loading silo - installed

in line or parallel - are other examples for this. Space constraints that require a highly compact plant, a large variety of recipes that necessitate a large number of storage chambers or the requirement for only one weighing bridge - customer requirements are always individual. With the BENNINGHOVEN modular system, these can be achieved at any time, for future-proof plants that are a reliable investment.



BENNINGHOVEN > GOOD TO KNOW

Asphalt optimisation with feed systems - plug & work

Additives can be introduced into the mixture to optimise the properties of the asphalt. BENNINGHOVEN offers various feed systems for this.

- Feed options:
- > Granulate dosing system
 - > Powder / granulate dosing system
 - > Bag dosing unit
 - > Liquide additive system
 - > Additional customer requests



Flexible configuration
Hot bin section

Flexible expansion
Mixed material storage silo

Individual adaptation
depending on requirements

Time-optimised loading
of a variety of recipes