A WIRTGEN GROUP COMPANY

BENNINGHOVEN

Facelift with depth.

THE NEW WEIGHING AND MIXING SECTION FROM BENNINGHOVEN.

ISO CONTAINER SYSTEM

PLUG & WORK

HIGHTECH SYSTEM POWER

ECO PERFORMANCE

BENNINGHOVEN

the new
Weighing and mixing section

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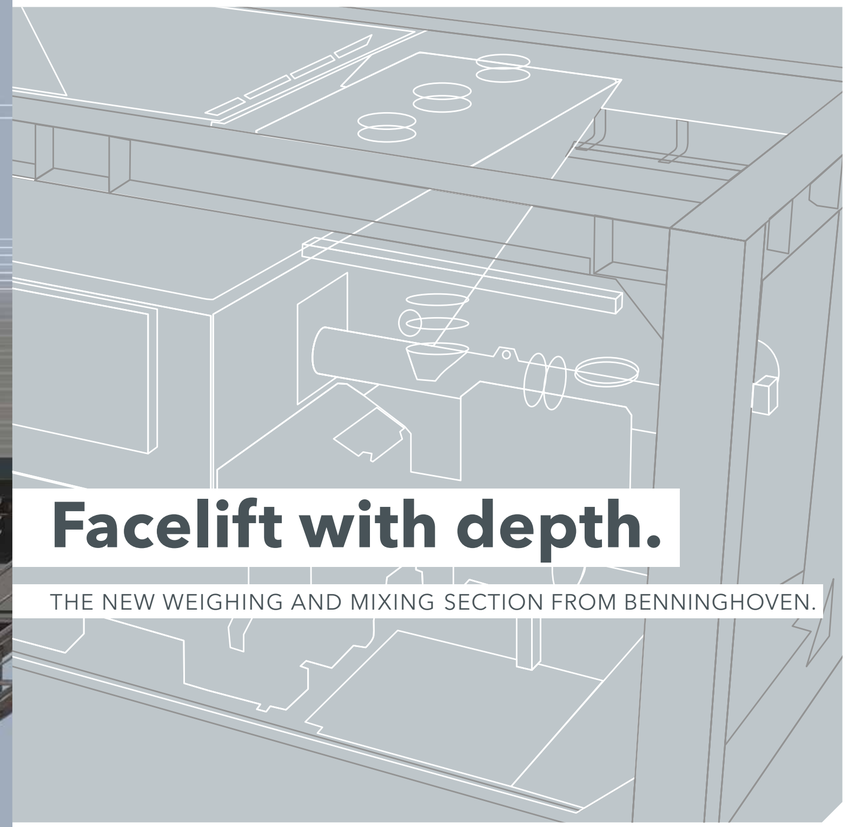


Facelift with depth.

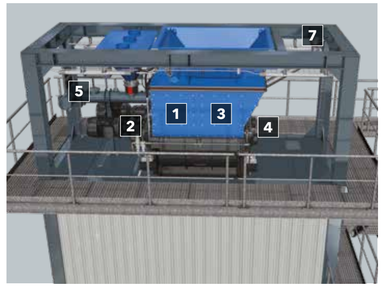
THE NEW WEIGHING AND MIXING SECTION FROM BENNINGHOVEN.

Maximum customer benefit.

Thanks to an intelligent, practical design

1. Added value from the outset – built-in interfaces for:

1. Cold and hot recycling feed system
2. Recycling extraction
3. Bag feed unit
4. Foam bitumen
5. Granulate dosing and powder feed system
6. Fibre feed system (rear side)
7. Liquid Additive System (BitumGRIP)



All subsequent retrofitting requests from the customer can easily be flanged onto the weighing and mixing section – remove blind cover, attach connection – no welding or structural changes required.

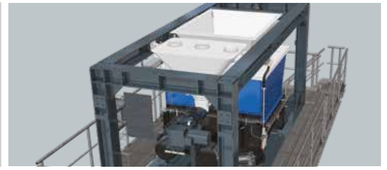
Safety without compromises.

Maximum process and functional reliability

2. Weighing of white mineral and filler not sensitive to disturbances

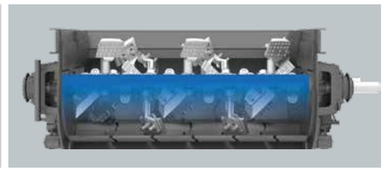
Optimum reliable weighing through vented scales and pressure-compensating geometric design, caused e.g. by steam hammer

3. Full aggregate weigh hopper use even in bypass mode



4. Optimum fill level/optimum mixing thanks to generously sized mixer geometry.

Optimum fill level (< 60%) – no overfilling. High quality materials which can handle even the most extreme conditions and ensure optimum wear protection.



5. Key transfer system for increased safety.

This unit with interlocking is a key-operated, mechanical system.

It is based on the premise that a key cannot be in two places at the same time – it can, for example, be inserted in a switch OR used for opening a lock.

Another important safety feature is that the key can only be removed in a safe state with no hazards – a switch is switched off, a lock is closed and locked.

- Safety concept with very intuitive operation
- Purely mechanical interlocking device – robust and not prone to malfunctions
- Manipulation potential is reduced to a minimum

6. Purge air cleaning on the IR temperature sensor

Reliable measurement of the asphalt temperature.

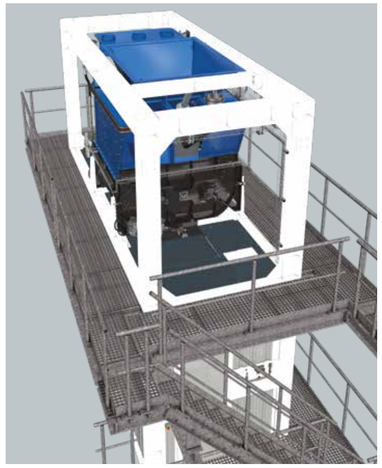
Rectangular and convenient.

Our globetrotters

This ECO 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 problems.

7. Optimised for transport

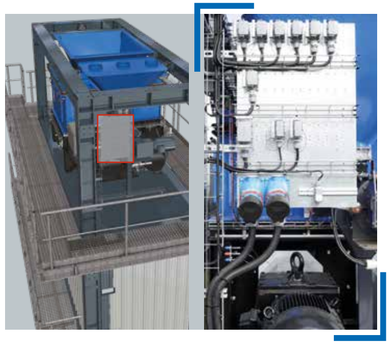
Main components in ISO container dimensions. Effective and cost-efficient transport via road, sea or rail.



8. Quick and easy to relocate

Selection option between plug-in cables and permanent connection

Plug&Work advantage – faster assembly as already pre-installed at the factory. All sections of this compact plant are already completely pre-wired and equipped with pipes at the factory, greatly facilitating handling on site. Easy attaching and removal of the components.



9. Individual colours

Colour concept A, B,C, D – from standard to individual.

Clever concept.

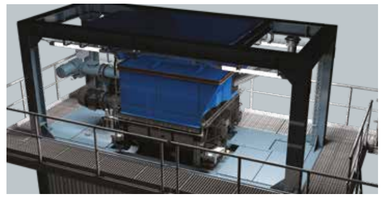
Forced ease of operation

For the new weighing and mixing section, the focus was on ease of operation, i.e. unlimited access to all units installed in the section is ensured at all times.

10. Very good accessibility to all areas

- Surrounding access/work platform width of 800 mm

11. Optimum illumination of the work and maintenance areas through LED technology



12. Large service openings on the mixer cabinet

(H x W = 600 x 1200 mm) ensures ergonomic access to the mixer, especially for service and maintenance.

- Maximum functionality and good handling
- Absolute leak tightness
- Hinge, handles and closures 100% corrosion-resistant
- Adjustable closure clamps (optimum leak tightness of the access points through adjustable door closing elements)
- Swivel range of door 180°
- Swivel range can be limited to 90° through optional stops
- High load capacity of the door as support

13. Central compressed air maintenance unit (oiler and separator/filter)

14. Intuitive lubrication plan

(colour-coded marking of lubrication points) The defined lubrication intervals are indicated to the plant operator with coloured lubrication points coding directly on the plant component.

- Simple, intuitive system
- Optimal guarantee of lubrication intervals
- Application across components – provides uniformity and visual appeal
- Colour coding common to specific industry

15. Power and compressed air connection for tools and maintenance work

16. Modular expansion of functions through bus system

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