Facelift with depth.

THE NEW WEIGHING AND MIXING SECTION FROM BENNINGHOVEN.
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Maximum customer benefits.

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. Pipe feed system (rear side)
   7. Liquid Additive System (BitumGRIP)

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 even in bypass mode

4. Optimum fill level/ optimal 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 OFF 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.

7. Rectangular and convenient.
   Our imagination
   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.

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

9. 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.

10. Very good accessibility to all areas
    > Surrounding access/work platform width of 830 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. Modular expansion of functions through bus system

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

Clever concept.

Focused 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.

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

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

19. Two-place locking / safety concept
    > Safety concept with very intuitive operation
    > Purely mechanical interlocking device - robust and not prone to malfunctions
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20. Safety without compromises.
    Maximum customer benefit.
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