



BETONTANKSTELLE[®]
QUASIMIX
by **PROMEKON**

**FRESH CONCRETE • PRACTICALLY SIMPLE •
PRACTICALLY IMMEDIATELY**

Quality and reliability from Thuringia!
www.quasimix-betontankstelle.de

CONCRETE STATION QUASIMIX

FILL UP WITH CONCRETE IN MINUTES

The desired quantity and type of concrete are purchased at the checkout. The customer receives a QR code receipt and positions their vehicle or trailer under the discharge conveyor. As the QUASIMIX systems have been designed for self-service and unmanned operation, the customer starts the mixing programme at the operating terminal, the mixing process takes place and then ends fully automatically.

The minimum delivery quantity per mixing process is 0.15 m³, whereby the total quantity ordered can be divided into several batches (for example, depending on the loading volume of a trailer).

From our experience, we know that anyone who has once filled up with fresh concrete will use this service again and again.



3D PLANNING

Site planning and installation variants in 360° view



QR-CODE

Always free of charge, mix quantity flexible



CLEANNING

XXL cleaning / inspection opening on the mixer



CONCRETE CHECK

In-house concrete technology and testing



CO²-REDUCTION

Improved concrete recipes, optimised mixer motor





EQUIPMENT

All components listed here and described on the following pages are included in the standard equipment:

- Mixing module (plate mixer)
- Sand and gravel bunkers
- Bunker top panels
- Binding agent silo
- Material discharge conveyor
- Controls for manual and automatic operation
- Operating terminal (separate operating unit)
- Software package QUASIMIX including receipt printer
- Water tank with electric heater
- Solenoid valve
- Float switch and submersible pump
- High-pressure cleaner with adjustable lances (rotor and flat jet nozzle)
- Pump for additives (retarders)
- Compressor for air loosening in the silo
- Painting (standard RAL 7035 or optional colour)
- Installation and commissioning (have removed delivery)
- Site planning and installation diagram
- Recipe creation (10 different types)



SAFETY

- Development and production in accordance with the current Machinery Directive
- EMERGENCY STOP chains across the entire system
- Conveyor cladding for access protection
- TÜV monitored

CONCRETE STATION QUASIMIX CONCRETE



CONCRETE TYPES

- Customised for each location (adjustment of recipes depending on the availability of aggregates)
- Recipes comply with the DIN Standards
- Special recipes for specific aggregates (e.g. recycled material)
- Special recipes for special requirements (e.g. forming and removing formwork)
- Use of up to 6 aggregates (3 double bunkers) per mixing process in addition to water and cement)

ON-DEMAND CLEANING

Manual cleaning programme at the touch of a button

- For long downtimes or high outside temperatures
- Reduces the evening cleaning effort
- Avoids build-ups that could have a negative impact on product quality



MAINTENANCE CLEANING

Daily, manual cleaning of the mixer module and the entire system

- extra large cleaning / inspection opening on the mixer
- Through the included high-pressure cleaner with various cleaning lances
- To ensure the proper operation of the system
- Increases the service life of the tools and machine

SOFTWARE / QR CODE

The entire machine control system, software and QR code generation have been specially developed for the QUASIMIX systems.

It is possible to access connected machines via remote access. This considerably speeds up and simplifies the troubleshooting and maintenance process.



QR CODE

- Always **generated** free of charge in the QUASIMIX software
- Enables flexible delivery quantities from 0.15 m³ (e.g. 0.17 m³, 1.20 m³)
- Division into several batches possible for example, one order with 4 pick-ups
- The validity of a QR code can be set customer-specifically
- Elimination of magnetic stripe cards with fixed quantities
- Creation of credit QR codes possible (optional)

OFFICE SOFTWARE

- QUASIMIX software package including receipt printer
- The system runs on a virtual interface with a licensed Windows version
- Sale via customer account or guest
- Product management including the option to customise individual recipes
- Flexibly expandable through retrofitting (see options page 10)
- Foreign languages English, Czech and Slovak preinstalled (other languages optional)



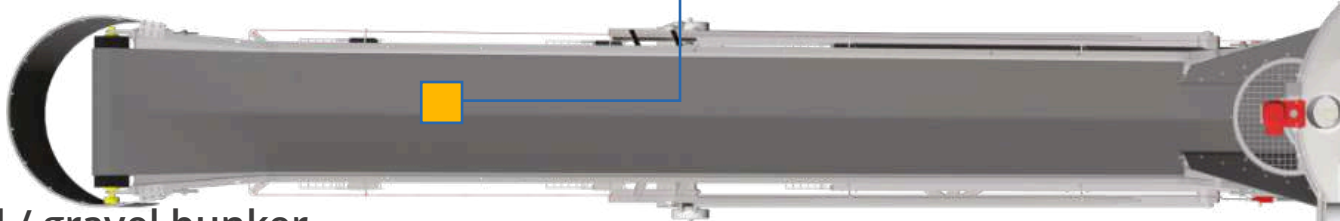
QUASIMIX MODULES

Material discharge conveyour (MDC)

	500	1000
Length	8.00 m	10.00 m
Overall height max.	4.57 m	5.47 m
Clearance height	2.30 to 3.62 m	3.30 to 4.53 m



- Belt conveyor with smooth belt (belt width 800 mm)
- Feed hopper with rubber lining
- Self-regulating scraper
- Support wheel
- Manually height-adjustable



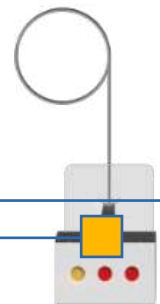
Sand / gravel bunker

	500	1000
Volumes	2 x 3.50 m ³	4 x 3.50 m ³
Separate dosing belts	2 pieces	4 pieces
Fill level indicator	2 pieces	4 pieces



- Bunker with cover panels, one side filling, fill height 2.50 m, max. shovel width 3.50 m
- Expansion to up to 6 sand/gravel bunkers possible (for max. 6 supplements)

Special heights possible on request



Operating terminal



- Visualisation and operation of the system status and error messages
- Operating unit with touch panel incl. protective screen, indicator lights, Start and EMERGENCY STOP buttons, QR code reader
- Order entry via QR code or manually

Control cabinet



Main control cabinet (system control)

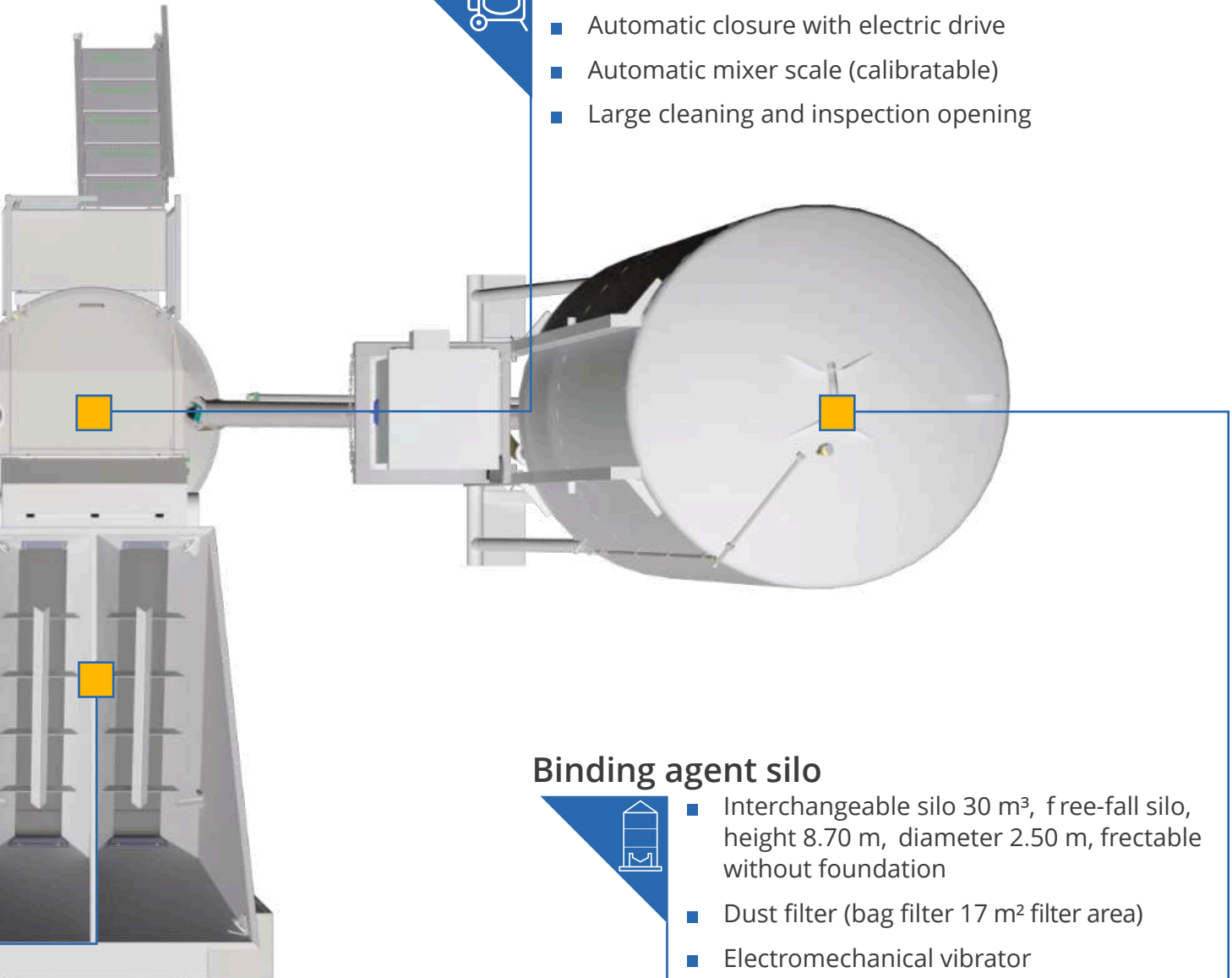
Equipment cabinet for water tank 160 litre with electric heating, high-pressure cleaner with lance, pump for additives, compressor for air loosening in the silo

Plate mixer

	500	1000
Volumes	0.50 m ³	1.00 m ³
Mixing capacity	12 – 15 m ³ /h	25 m ³ /h
Motor	15 kW / ~28 rpm	30 kW / ~28 rpm



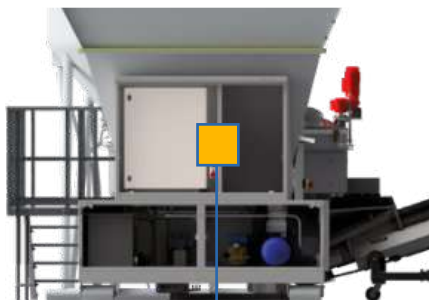
- Plate mixer in wear-resistant HARDOX sheet metal
- Automatic closure with electric drive
- Automatic mixer scale (calibratable)
- Large cleaning and inspection opening



Binding agent silo



- Interchangeable silo 30 m³, free-fall silo, height 8.70 m, diameter 2.50 m, freestanding without foundation
- Dust filter (bag filter 17 m² filter area)
- Electromechanical vibrator
- Pinch valve and maximum detector to prevent overfilling
- Minimum detector for fill level monitoring
- Air loosening in the silo hopper
- Screw conveyor 22 m³/hour



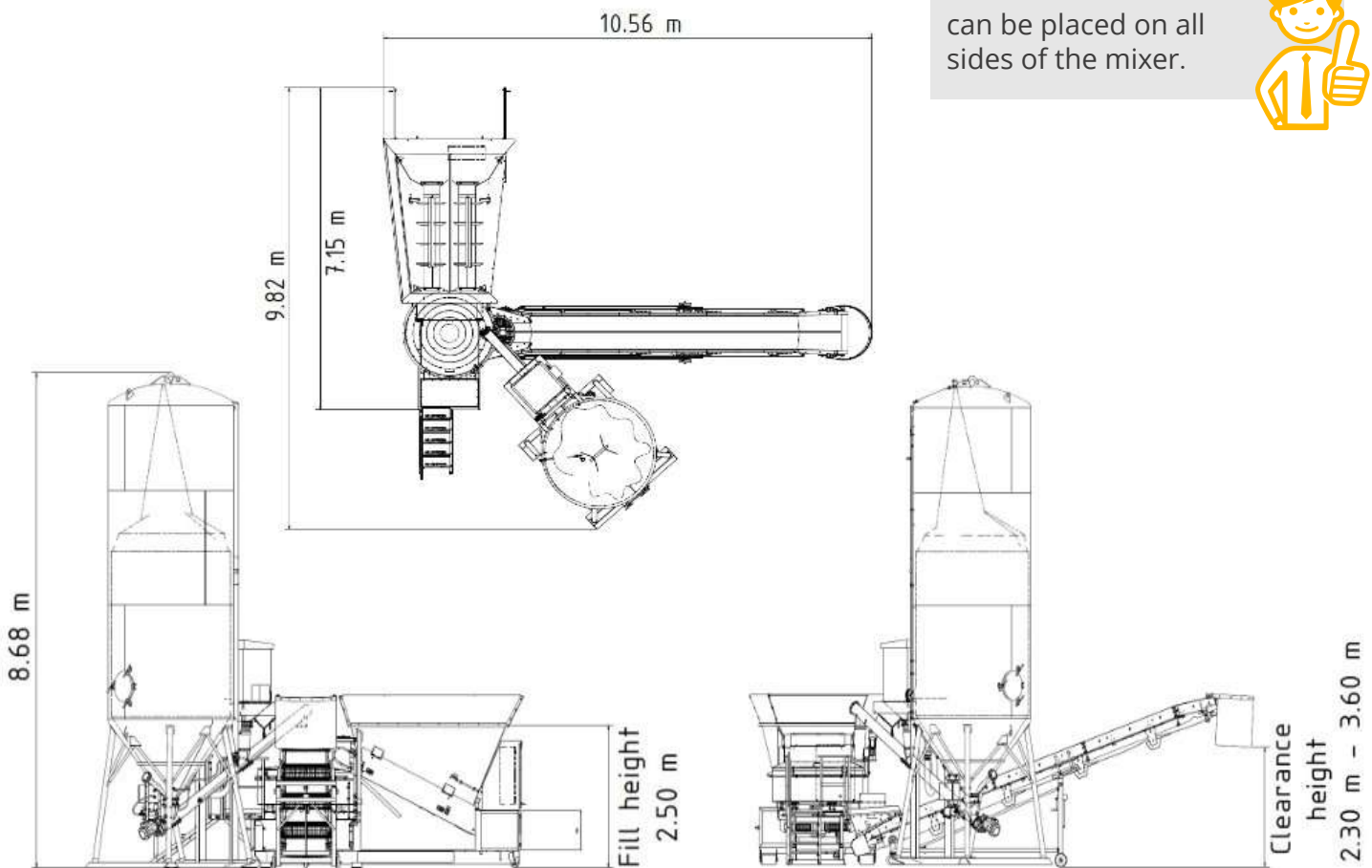
TECHNICAL DATA / INSTALLATION VARIANTS

QUASIMIX 500

TECHNICAL DATA

- Power connection: 3 phase / 400 Volt
- Electrical protection: 32 A (slow blow)
- Water connection: At least 3/4" / PE 30
- Plant weight: 11,300 kg including 1 silo
- Space requirement: 100 m²

This installation plan corresponds to a standard variant in which the silo can be placed on all sides of the mixer.



FLEXIBLE THANKS TO MODULAR DESIGN

Construction type

- Sturdy, torsion-resistant container frame
- Control cabinet enclosed in a moisture-resistant housing
- Mobile thanks to container rollers
- Separate modules enable flexible installation variants
- customised installation plans are created



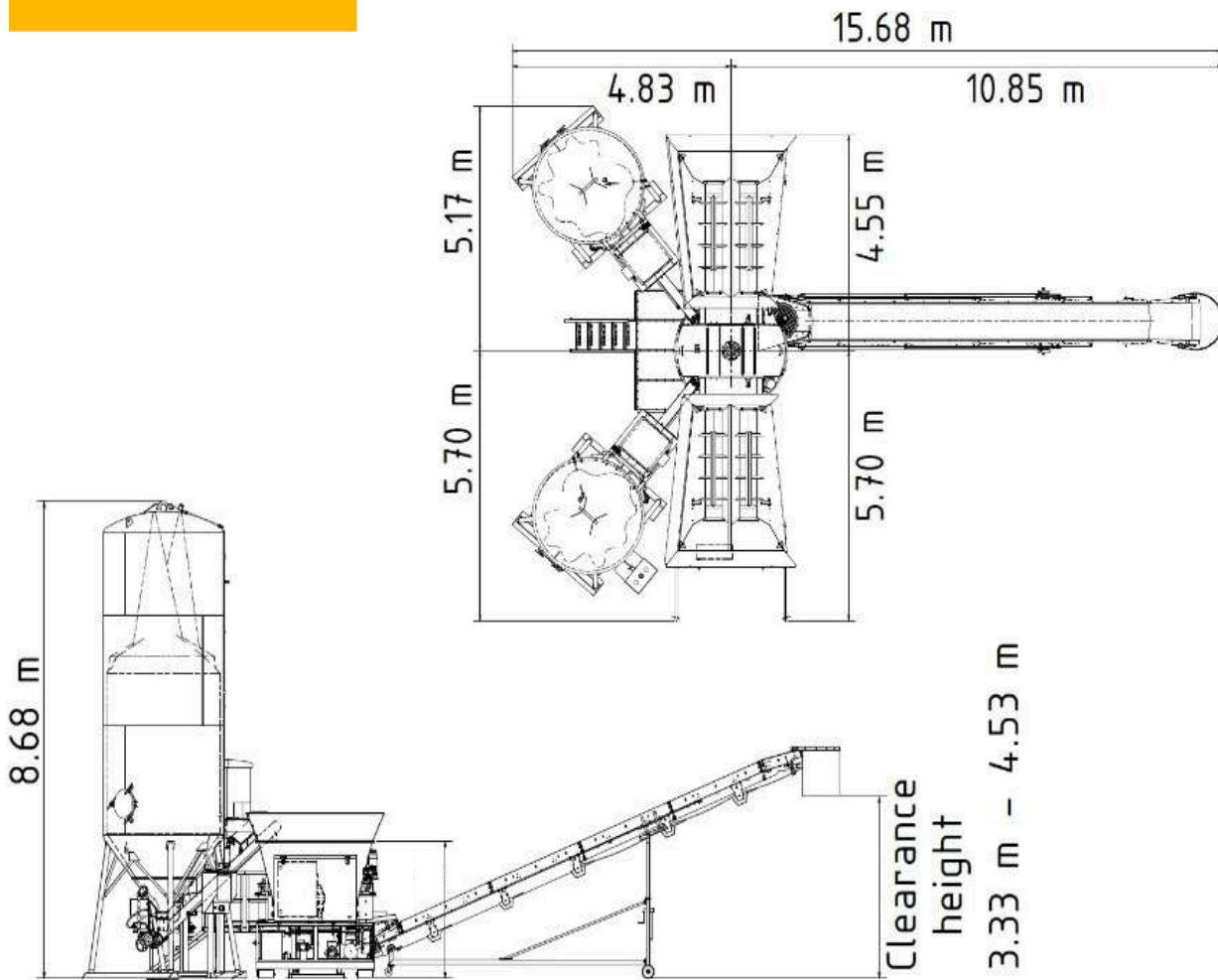
Particular conditions on site often require special solutions. We will be happy to advise you!
Every customer gets the concrete station that suits them!



QUASIMIX 1000

TECHNICAL DATA

- Power connection: 3 phase / 400 Volt
- Electrical protection: 63 A (slow blow)
- Water connection: 1 1/4" / PE 40
- Plant weight: 16,500 kg including 2 silo
- Space requirement: 170 m²



Installation

- Site inspection, clarification of technical and local requirements in advance
- Installation is usually completed in one day

Plant configuration

- Modular design enables individual variants, for example 2, 4 or 6 sand/gravel bunkers; 1 silo and 1.0 m³ mixer, 2 silos



OPTIONS

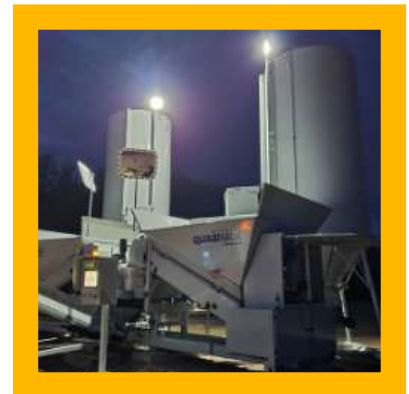
SOFTWARE ENHANCEMENTS

Examples of extensions that can be added at any time:

- Archiving of invoices and delivery notes
- Electronic filing
- Order management
- Separate article sales (for example, paving stones)
- Web shop
- Data export in csv format for external software
- Continuous mixture
- Variable mixing process

SAFETY PACKAGE

- LED spotlights for illuminating the work area
- Approach mirror for viewing the two bunker chambers for loading the bunker material



RADAR SENSOR FOR THE CEMENT SILO

- Fill level display in % of the cement silo on the operating terminal
- Exact maximum and minimum fill level values

POINT-OF-SALE TERMINAL

Your customer independently selects the type of concrete, the quantity and collection batch(es) (from 0.15 m³). Payment is made by EC or credit card. (External costs may apply for card payments.)

For regular customers, sales can be made via a transponder. The delivery note is created in the system and billed according to the invoice intervals stored in the master data.

- Advantages:
- No sales staff necessary
 - The terminal can be set up anywhere
 - Integration of further product range items possible (piece goods, gravel, etc.)



**YOUR SYSTEM PARTNER
FOR CONCRETE STATIONS!
BENEFIT FROM MORE
THAN 15 YEARS OF EXPERIENCE!**

PROMEKON

PROMEKON GmbH		Tel	+49 3631 896314
Rüdigsdorfer Weg 10		Fax	+49 3631 896315
DE-99734		Mail	info@promekon.de
Nordhausen OT Petersdorf		Web	www.promekon.de



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