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Application areas:

- Anchor injection, Ground stabilization, Rock injection
- Drill injection
- Jet grouting, Pipe roof grouting
- Floor level injection
- Geothermal applications
- Cavity filling
- Micro tunnelling

Mixing of:

- Cement slurries
- Anchor grout
- Bentonite slurries
- Filling material for peripheral sealing
- Insulation slurries
- Fly-ash slurries

Technical Data / Performance Data*

Mixing capacity (with 16 batches/h)	16	m ³ /h
Effective volume mixer	1000	l
Mixing water minimum	350	l
Effective volume water tank	800	l
Grain solids	max. 2	mm
Mixing components	5	1 liquid 2 solids 2 additives (Dosagesystems optionally)
Metering	gravimetric	full-electronic mixer scale
Water connection	Storz B	2" standard coupling DIN 14307, max. 6 bar;
Cleaning connection	DN 20	Geka claw coupling
Mixer outlet (connection)	DN 100	Perrot coupling male part alternatively 4" IG
Power connection	CEE-plug	1 x 63 A, 5-pole 1 x 32 A, 5-pole
Power consumption	approx. 42	kW
Voltage	400	V; 50 Hz
Dimensions	2,45 x 2,35 x 2,55	m (L x W x H)
Weight	approx. 2300	kg

)*The specified performance data are non-binding values that differ significantly depending on dosing, mixing and discharge times.

Description:

The Batch Mixer CM-1000-EA is a compact automatic mixing plant specially developed for construction site operation. It is particularly suitable for mixing bentonite and cement suspensions, diaphragm wall compounds or other solids-containing suspensions. In automatic mode, the system can automatically produce suspensions according to a stored recipe and drain it, for example, in a downstream agitator tank. The processing of bagged goods is possible.

Characteristics:

- Processing of silo and bagged goods
- Easy operating, maintenance and cleaning
- Minimum installation and commissioning effort
- Optimal mixing quality (colloidal mixer)

Features:

- ✓ **Mixer** 1000 l effective volume (colloidal mixer) with mixer scale for colloidal processing of slurries
fast-running colloidal mixer; additional slow-running agitator inside the mixer storage tank; cleaning cover with safety end-switch; mixer mounted on 3 robust weight cells; recirculation and emptying line with electro-pneumatic operated valves; complete discharge of the mixer
- ✓ **Water tank** 800 l effective volume, visual level indicator; automatic filling control
- ✓ **Water metering** full-automatic; electro-pneumatic operated valves
- ✓ **Recirculation and emptying line** with electro-pneumatic operated valves
- ✓ **Compressed air system:** supplying the unit with the necessary compressed air
- ✓ **Base frame** steel frame with forklift pockets and central lifting eye; platform with folding step for mixer cleaning and bag application
- ✓ **W-LAN module** without sim-card (on site)
 - location independent input of all functions via tablet or laptop / PC (not included) such as: recipe input, parameter input and borehole numbers input (if GERLOGG is connected)
 - data readout batch logging
 - data readout grouting data's (if GERLOGG is connected)
 - monitoring of all current operating conditions
 - possibility of remote maintenance or software updates by GERTEC without an on-site technician
- ✓ **Batch logging on USB stick**
- ✓ **Rotating beacon (fault light)**
- ✓ **Electrical control** with all necessary indicators and operating elements

Accessories (not included in delivery):

- Remote control (cable or radio)
- Tubular screw conveyor(s)
- Silos
- Data logger
- Dosagesystems for additives
- LED launder with tripod
- High pressure cleaner
- Connecting hose to agitator tank
- Spare and wear parts package

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Technical specifications are
subject to change

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