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### Application areas:

- soil mixing and diaphragm-wall methods
- Cavity filling

### Mixing of:

- Cement slurries
- Bentonite slurries
- Insulation slurries

### Technical Data / Performance Data\*

Mixing capacity (with 33 batches/h)	49,5	m <sup>3</sup> /h W/Z =1,0 je m <sup>3</sup> : Water: 750 kg ; CEM: 750 kg
Effective volume mixer	1500	l
Mixing water minimum	500	l
Effective volume water tank	1200	l
Grain solids	max. 2	mm
Mixing components	5	1 liquid 2 solids 2 additives (Dosing unit optionally)
Dosage	gravimetric	fully electronic mixer scale
Water connection	2x Storz B	2x 3" standard coupling DIN 14307, max.6 bar;
Cleaning connection	DN 25	Geka-claw coupling
Mixer outlet (connection)	DN 125	Perrot coupling VT
Power connection	CEE-plug	1x 63A, 5-pole; 1x 32A, 5-pole
Power input	45	KW
Voltage	400; 50	V; Hz
Dimensions	3,0 x 2,4 x 2,6	m (L x W x H)
Weight	approx. 4.100	kg

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

### Description:

The CM-1500-EA batch mixer is a compact automatic mixing system specially developed for use on construction sites, compact automatic mixing plant. It is particularly suitable for mixing bentonite and cement suspensions, insulating and sealing wall compounds or other suspensions containing solids. In automatic mode, the system can automatically produce and pump suspensions according to a stored recipe, for example into a downstream agitator tank.

### Characteristics:

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

### Features:

- ✓ **Batch mixer** 1500 l effective volume (colloidal mixer) with mixer scale for colloidal processing of suspensions  
fast-running colloidal agitator; 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** 1200 l effective volume, visual level indicator; automatic filling control
- ✓ **Water dosage** fully automatic filling control for coarse and fine dosing of fresh water with pneumatically actuated valves
- ✓ **Recirculation and emptying line** with electro-pneumatic operated valves
- ✓ **Compressed air** system for supplying the necessary control air
- ✓ **Base frame** sturdy sectional steel frame with forklift pockets and a central towing eye; operator platform with ladder and railing for mixer cleaning
- ✓ **Remote Access 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
- ✓ **Electrical control** with all necessary display and operating elements
  - Main switch ON/OFF
  - Emergency stop button
  - Manual/automatic selector switch
  - Mixer ON/OFF
  - Automatic ON
  - Automatic OFF (last batch)
  - Auger 1 ON/OFF
  - Auger 2 ON/OFF
  - 2 x cement auger connection 2 x vibrator connection
  - Plug connection level control external agitator tank - water ON/OFF
  - Emptying ON/OFF
  - Phase control
  - Collective fault display
  - Batch logging on USB stick
  - Process control for automatic operation and operating data acquisition