



郑州高德机械设备有限公司 Gaode Equipment Co., Ltd.

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GF5 for manual CLC blocks production line

CLC is cellular light weight concrete, has been used in over 40 countries over the past year for build houses, apartments, schools, hospitals, industrial buildings etc.

Benefits of CLC blocks

1. **Lightweight:** Dry bulk density 300 kg/m³ - 1500 kg/m³, 1/8-1/2 as light as common concrete.
2. **High Compression Strength:** compressive strength ranging from 0.6 MPa to 25 MPa, 4 times as traditional aerated concrete.
3. **Thermal Insulation:** good heat preservation and good thermal insulation.
4. **Impermeability:** Low water-intake rate and high impermeability.
5. **saving cost:** Easy and fast production. No primary energy and reduced transportation costs



Main machines for making CLC blocks include: GM1000 foam concrete mixer, GH50 foam concrete pump, Foam generator.

GM1000 foam concrete mixer





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The foam concrete mixer mainly includes **mixer, feeder hopper, Foam generator, water pump, control panel, tank.**

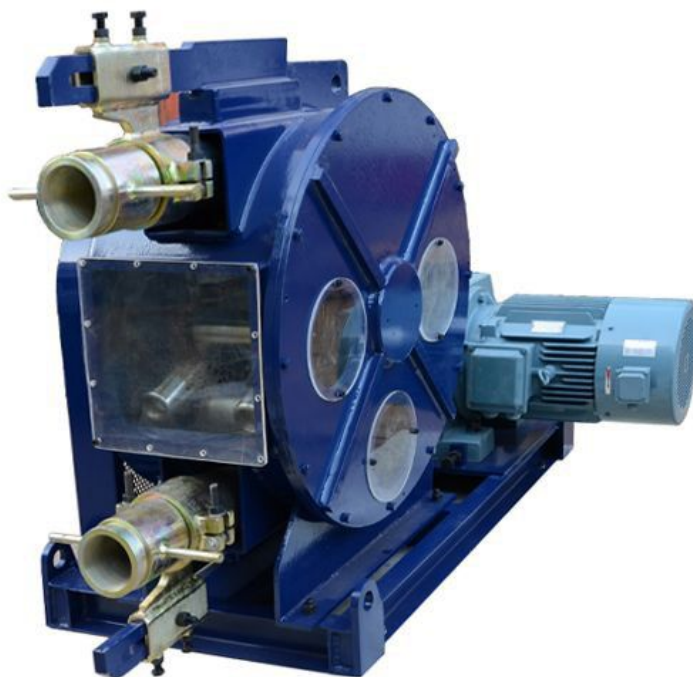
Features:

1. It could mixing variable materials, such as cement, fly ash, sand pulp, sand stone, perlite, and slag etc.
2. Specially mixing blades, mixing the material toughly, storage in its bottom is less than 10mm, no material left on the four walls internal the mixing drum.
3. Variable speed mixing and internal structure alteration make its installation easy and mixing frequency high, it saves energy.

Main technical data sheet:

Model	GM1000
Max.Output	5 m3/h
Material input volume	1000L
Mixing speed	6-8min/batch
Mixer motor power	1.5kw
Max. Particle Size of Aggregates	8 mm

GH50 foam concrete pump





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Features:

1. No valves
2. Self-priming
3. Only tube to replace
4. Spiral bevel gear SEW series (Cycloidal pinwheel reducer gear box for option)
5. Mainly consists pump house, rotor, idel rotor, squeeze tube, and driving unit
6. Easy maintance, low cost, short down time

Main technical data sheet:

Model	GH50
Max.Output	5 m3/h
Max.Conveying Pressure	2 MPa
Max.Horizontal Transporting Range	30 m
Max. Vertical Transporting Height	100 m
Max. Particle Size of Aggregates	10-15 mm
Motor power	7.5kw
Squeeze hose brand	Trelleborg

Note: If you need big output, please feel free to tell us.

Foam generator and foaming agent



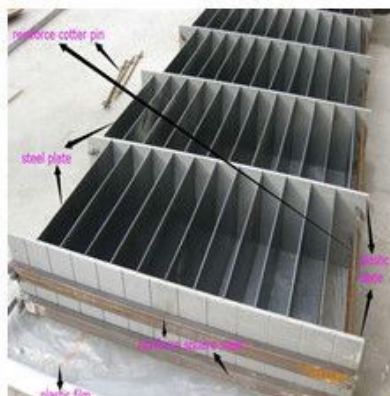


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Manual moulds



The mould size:

600x200x200mm
600x200x150mm
600x200x100mm
600x200x75mm
500x400x100mm
500x250x200mm
500x250x100mm

**Also could be
customized
according to your
demands**



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If want to improve efficiency, you could use wire cutting machine.



It is specially used to cut various foam concrete blocks. Easy operation, high efficiency. The block size between 100-200-300-400-500-600-700-800-900-1000-1100-1200mm could be adjusted willfully.

Name	GW 30B Wire Cutting Machine
Electric Motor (Kw)	2.2 kw*1 set, 0-56r/min adjusted 750w*2 set, 0-560r/min adjusted
Effective hoisting height	700mm
Cutting plantform size (L*W*H)	1240*1240*225mm
Net cutting size (L*W*H)	1200*1200*600mm
Cutting cycle	60-180seconds
Overall dimension (L*W*H)	2160*2060*2280mm
Total weight	1100kg



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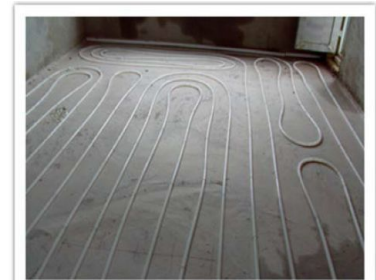
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The brick made by our GF5 concrete foam block making machine :



Note: The Foam concrete's other application

1. External wall thermal insulation
2. Thermal insulation roofing
3. Thermal flooring
4. Upstanding beam foundation ditches filling
5. Sound insulation and fire protection walls
6. Playground and track construction
7. Sound insulation layer, tunnel lining filling
8. Cellar, basement and arch filling
9. Sewers and Drains filling
10. Horizontal floor heightening
11. Water tank and fuel tank building
12. Platform filling and mending
13. Garden and rockeries
14. Foam concrete block
15. Foamed concrete precasting ,hollow wallboard casting



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