

Gaode Foam Concrete Machine

We fully strive for shared NORMS and VALUES:

- Safety and Stringent quality control
- Maneuverability and Operator comfort
- Reliability
- Technical sophistication & after-sales full support

GD Foam Concrete Technology Introduction:

GD Foamed concrete is a dual-continuous structural polymer ,whose organic cementing material is mixed with GD foaming agent ,cement ,sand ,coal ash, and stone powder ,thus making it has got many advantages as environmental protection ,energy saving ,no pollution ,water proof ,fire resistance ,thermal insulation ,sound insulation ,anti-seismic capability ,and durability .It is an architectural energy-saving material widely used in cast-in-place of walls ,roof thermal insulation ,sub-floors thermal insulation layer, filling of upstandingbeam foundation ditches ,etc .

Its superperformance has recently been recognized by some European and American countries as the U.S , the UK , Holland , Canada and by some Asian countries as Japan and Korea ,thus expanding its applied field of constructural projects uncesingly . The development and application of foamed concrete has make it possible to quicken the pace , to promote quality , and to cut down the cost as well ,coming up to as high as 65% of the requirement of the National Constructural Energy Saving .

GD-30 Foam Concrete Machine :





1. Working Principle

GD-30 cement foam machine put cement and water into a slurry mixing and then mix them in a certain proportion, press them into transmission pipelines through hydraulic cylinder; According to a certain proportion foam mixed with water and then mixed with compressed air by the high-pressure pump; In the pipeline it form the high-density foam and meticulous, at last form the foam cement with the slurry in the pipeline.

2. Performance Characteristics

On the basis of taking advance of the principle of the structure from advanced facility abroad and seek the user's advice widely. According to China's actual situation, rely on our rich experience in design and manufacturing the hydraulic equipment, we take the innovation and have a distinct personality characteristics as well as completely independent intellectual property rights.

The use of double cylinder hydraulic pump water bodies Push mud, exports of high pressure, can meet the needs of high-rise ratio of the various ingredients used in automatic control, The density foam cement adjust easily selected using the homemade quality matching components, reliable guaranteed after-sales service can use the high-quality home-foaming agent, lower construction cost with running.

Round and Universal Wheels, Mobile and place convenient and flexible

Specification:

Model	GD-30
Max.Output	30 m ³ /h
Max.Conveying Pressure	8 MPa
Max.Horizontal Transporting Range	600 m
Max. Vertical Transporting Height	200 m
Max. Particle Size of Aggregates	8 mm
Cylinder Bore	80 mm
Delivery Cylinder Bore	140 mm
Max.Pressure of Hydraulic System	24 MPa
Oil Pressure Box Volume	200 L

**GD-2000 Concrete Mixing Machine :**

1. The foam blending fast, blowing foam uniformly.
2. Without suspended matter, without the declining, it's good for steady pouring.
3. Little loss ratio of foam maintain the foam proportion in the foam concrete to make the products with stability density.
4. No dead angle design, mixing the material toughly, storage in its bottom is less than 10mm, no material left on the four walls internal the mixing drum.
5. It can mix variable materials, such as cement, fly ash, sand pulp, sand stone, perlite, and slag etc.
6. Variable speed mixing and internal structure alteration make its installation easy and mixing frequency high, it saves energy.

Specification:

Model	GD-2000
Production Capacity	15-20 m ³ /h
Output Volume	1500 L
Material Input Volume	2000 L
Main Shaft Revolution	32 r/min
Hopper Lifting speed	22 m/min
Mixing Motor	11 kW
Winding Motor	5.5 kW
Water Pump Motor	1.1 kW
Vibrating Motor	0.55 kW
Foaming System	5.5 kW
Max. Moving Speed	15 km/h
Total Weight	3200 kg
Overall Dimension	2600x2250x3000 mm



GD-30B Wire Cutting Machine

Main performance:

- 1- The lifting motor adopt the standard automatically brake motor.
- 2- Lifting speed could be adjusted through the frequency converter.
- 3- The block size between 100-200-300-400-500-600-700-800-900-1000-1100-1200mm could be adjusted willfully.
- 4- All motors are equipped with speed reducers.

GD-30B New Wire Cutting Machine is improved on the basis of the GD-30A wire cutting machine, It is specially used to cut various foam concrete blocks. Easy operation, high efficiency.

New wire cutting machine special performances:

1. Six shafts equipped with bearings, reduce the friction, and increase the rope wire lifetime.
2. Both horizontal and vertical cutting are cutting both way, keep the blocks more stable, and get good shape blocks.
3. Lifting speed could be also adjusted under the chain drive and lifting motor, more stable.



4. Two cutting motors equipped on the cutting frame, save space, and make the structure more impact.
5. Steel doors instead of the guard grids, more easy for daily maintenance.
6. Add cover on the top of the cutting machine, make the cutter elegant appearance.
7. Improved the control panel too, it is available for 380V/50HZ~460V/50HZ.

Specification:

Name	GD-30B Wire Cutting Machine
Electric Motor (Kw)	2.2kw*1set, 0~560r/min adjusted 750w*2sets, 0~560r/min adjusted
Effective hoisting height	700mm
Cutting platform 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

COMMERCIAL TERMS:

- 1- GUARANTEE: 1YEAR
- 2- DELIVERY TIME: WITHIN ONE WEEK ONCE RECEIPT THE DEPOSIT
- 3- TERMS OF PAYMENT: T/T
- 4- SPARE PARTS: STEEL WIREROPE 500M

Production Capacity		
0.8643M ³	600*200*75mm	96 pcs/mouGD
0.8643M ³	600*200*100mm	72 pcs/mouGD
0.8643M ³	600*200*150mm	48 pcs/mouGD
0.8643M ³	600*200*200mm	36 pcs/mouGD
0.8643M ³	600*200*300mm	24 pcs/mouGD

A complete Wire Cutting machine

No.	Name	Qty.	Unit	Remarks
1.	Wire cutting machine	1	set	
2.	Hook	20	pcs	
3.	Spring	20	pcs	
4.	Steel wirerope	500	m	
5.	rail	2	pcs	6m/pc



**GD-15 Foam Concrete Machine :****Specification :**

Model	GD-15
Max.Output	8-15m ³ /h
Max.Conveying Pressure	8 MPa
Max.Horizontal Transporting Range	800 m
Max. Vertical Transporting Height	80 m
Max. Particle Size of Aggregates	8 mm
Cylinder Bore	80 mm
Delivery Cylinder Bore	140 mm
Max.Pressure of Hydraulic System	24 MPa
Oil Pressure Box Volume	200 L

A complete set of GD-15

No.	Description	Quantity	Unit	Remarks
1	Main Machine	1	set	
2	Mixer	1	set	
3	Feeder	1	set	
4	compressor	1	set	



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FOAM CONCRETE MACHINE E-CATALOG

5	foam generator	1	set	
6	Conveying Hose, ID50mm, Length 60m	1	piece	
7	Water pump	1	set	
8	Water pump hose	1	piece	





Foam Generator :



Foam Concrete Casting Pump :





Foam Cement Insulation Plate Production Line :



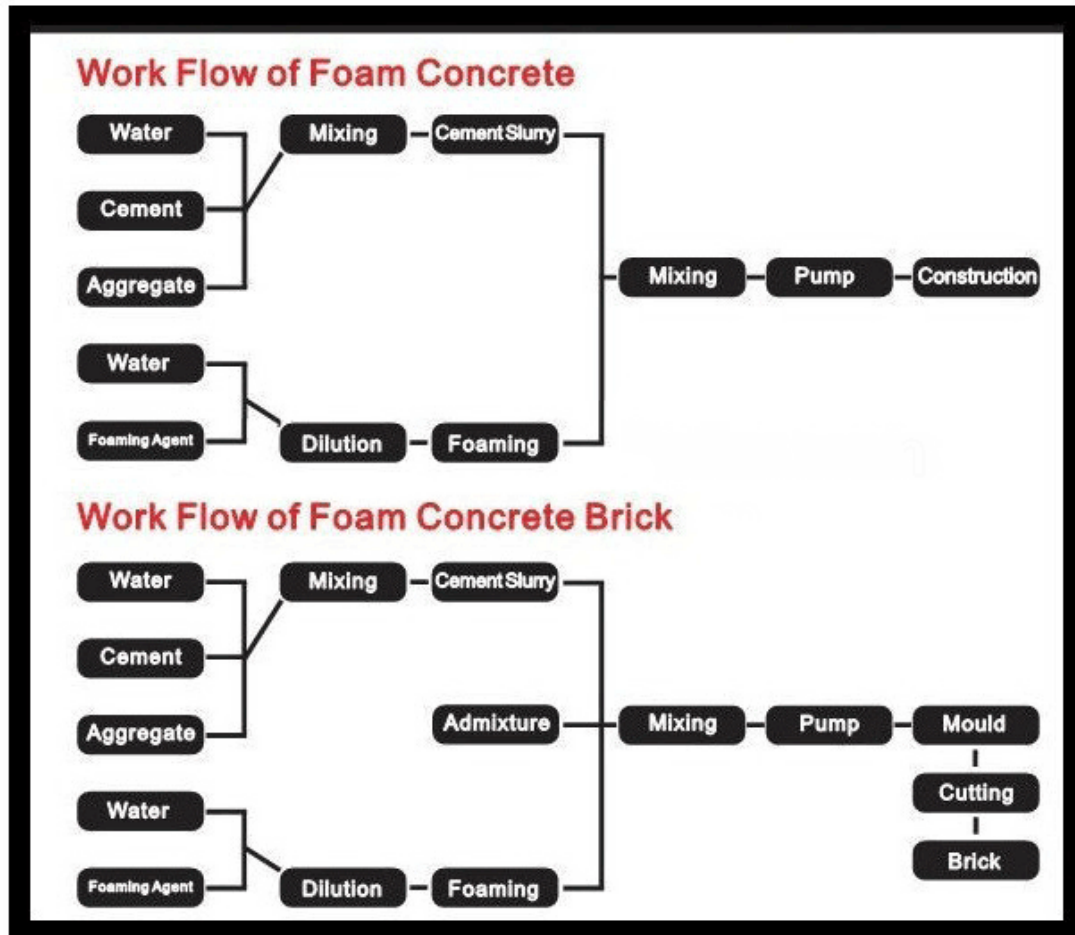


Our Manufacturing Workshop :





The Concrete Foam Machine Working As Following :



Foam concrete market the range of application :

1. Cast –in-situ wall
2. External wall thermal insulation
3. Thermal insulation roofing
4. Thermal flooring
5. Upstanding beam foundation ditches filling
6. Sound insulation and fire protection walls
7. Playground and track construction
8. Sound insulation layer, tunnel lining filling
9. Cellar, basement and arch filling
10. Sewers and Drains filling
11. Horizontal floor heightening
12. Water tank and fuel tank building
13. Platform filling and mending



- 14. Garden and rockeries
- 15. Foam concrete block
- 16. Foamed concrete precasting ,hollow wallboard casting

The brick made by our concrete foam machine :



**GD Cast-in-place foam concrete composite wall:**

GD foamed concrete is a lightweight concrete derived from Portland cement and common Portland cement as inorganic cementing material, coal ash as admixture, sand as aggregate, mixed with organic foaming agent. Non-load-bearing walls constructed by cast-in-situ GD foamed concrete has changed the traditional way of building walls with precast concrete segments. The excellent integrity and easy operation means low labour intensity and low building cost. Besides, good strength characteristics with reduced weight, excellent sound and thermal insulation, and water proof, etc., all these performances make it an ideal substitute of present traditional walls.

1. Lightweight : Dry bulk density 300 kg/m³ -1500kg/m³, 1/8-1/2 as light as common concrete, imposing a minimum loading on the building, excellent in earthquake resistance.
2. High Compression Strength : compressive strength ranging from 0.6 Mpa to 25 Mpa, 4 times as traditional aerated concrete.
3. Thermal Insulation : Low thermal conductivity, good heat preservation and good thermal insulation.
4. Impermeability : Low water-intake rate and high impermeability.
5. Energy-saving : permanent measure of energy-saving, coming up to 65% of the requirement of the National Constructural Energy Saving specifications.
6. Labour-saving and Time-saving : Smooth and level in wall surface after solidification. The procedure of interior wall plastering can be omitted, direct roughening, paint filling, coating and wall bricking are practicable.
7. Close Associativity : The combination between cast-in-place and foundation architecture ensure fastness instead of generating common Faults of quality as hollowness, peeling, unevenness, collapse, crack, etc., due to the main raw material of GD foamed concrete being cement.
8. Good Totality : one-off cast can well join such structures as cast cast-in-situ floor slab, mortar bed, column and beam bottom, etc. Without producing cracks and interruptions.
9. High Durability : GD foamed concrete cast-in-situ of walls ensures the same warranty as the main construction.

Cast at situ working process :



施工准备
Preparation



支模板
Molding



泡沫砼拌制
Foamed concrete mixing



泡沫砼墙体浇筑
Cast-in-place foamed
concrete wall



拆模板
Removing of mold



墙体修整与养护
Dressing and mending
of wall

Differing from traditional way of brick masonry wall, the technology of cast-in-situ foamed concrete wall developed by our company will surely be the replacement of the older generations as traditional clay bricks, baking-free bricks and steaming-free aerated concrete blocks, due to its qualities as one-time concreting shaping, low labor intensity, low transporting cost, simplified engineering, high quality, and quick building speed.



Our Cast at situ worksite :





30,000m² roofing, foundation ditch filling and bedding layer in Wealth Square in Zhengzhou



15,000m² roofing, foundation ditch filling and bedding layer in Ziyang Garden in Zhengzhou



14,000m² roofing and bedding layer in Zhuoyue International Square in Luoyang



150,000 square meter modernized workshop in Zhengzhou Foxconn



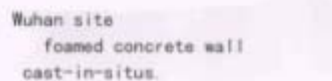
Cast-in-situ of YT foam concrete wall in Zhengzhou Foxconn



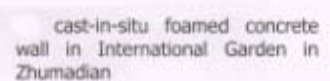
Cast-in-situ of thermal-insulating blocks on roof in Zhengzhou Foxconn



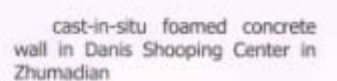
Wuhan site
foamed concrete wall
cast-in-situ.



cast-in-situ foamed concrete wall in International Garden in Zhumadian



cast-in-situ foamed concrete wall in Danis Shopping Center in Zhumadian





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FOAM CONCRETE MACHINE E-CATALOG

Our Formwork :





GD Foaming Agent :

The foaming agent for GD foamed concrete includes roof ,floor and wall foaming agent. Compared with ordinary foaming agent ,being a high-tech product ,it has the characteristics as high expansion ration ,balanced density ,foaming stability ,and a long continuance ,etc .Thus it is an environmental protective mighty foaming agent ,which is nuisance-free and pollution-free .

Products Display





Packing & Delivery :

