



# GAODETEC

## Refractory Equipment

We full strive for shared **NORMS** and **VALUES**:

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



## Gaode Equipment Co., Ltd.

No.9, Building 14, Yard No. 4, Fengqing Road, Jinshui District,  
Zhengzhou, Henan China P. C. 450053  
Tel: +86-371-55951660/55951210  
Mobile/WhatsApp/Viber: +86-13939067523  
Fax: +86-371-63526676  
Email: [info@gaodetec.com](mailto:info@gaodetec.com)  
Website: [www.gaodetec.com](http://www.gaodetec.com)





# Refractory Gunning Machine

Refractory gunning machine is specifically designed for refractory dry-mix shotcrete applications, as well as for concrete shotcrete application. You can get low dust and high performance spraying flow in nozzle.



GZ-3ER



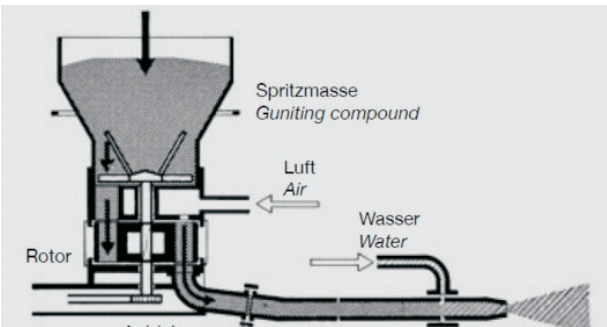
GZ-5ER



GZ-3AR

Model	GZ-3ER	GZ-5ER	GZ-3AR
Rate Output	1-3m³/h(2-6 tons/h)	1-5m³/h (2-10 tons/h)	1-3m³/h (2-6 tons/h)
Max.Horizontal Conveying Distance	100m	100m	100m
Max. Aggregate Size	Ø10mm	Ø15mm	Ø10mm
Conveying Hose Inner Diameter	32/38mm	51mm	32/38mm
Operating Air Pressure	0.2-0.4MPa	0.2-0.4MPa	0.2-0.4MPa
Air Consumption	5~6m³/min	8~9m³/min	10-11m³/min
Motor Power	4Kw	5.5Kw	/
Material Charging Height	1.3m	1.4m	1.3m
Rotor Speed	0-13.2r/min	0-13.2r/min	0-13.2r/min
Overall Dimensions	1.35x0.7x1.3m	1.4x0.75x1.45m	1.35x0.7x1.3m
Weight	500kg	650kg	500kg

# Rotor System



OLI Vibration Motor

- ★ ABB Frequency Converter, output capacity could adjust;
- ★ Electric Vibration Motor, high excitation force;
- ★ High Pressure Water Pump;
- ★ New Type Pre-dampening Nozzle Assy.

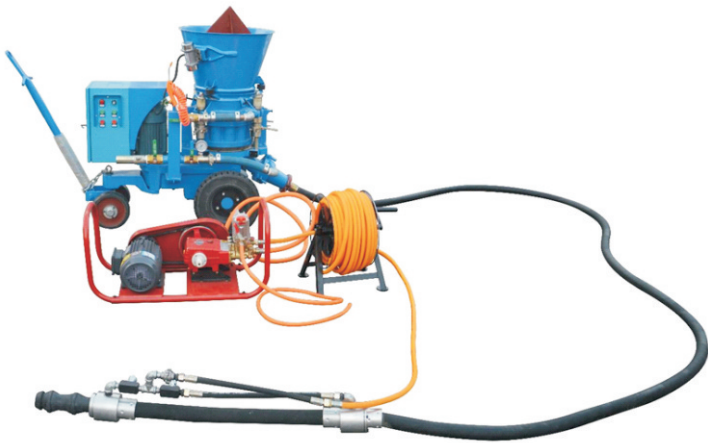
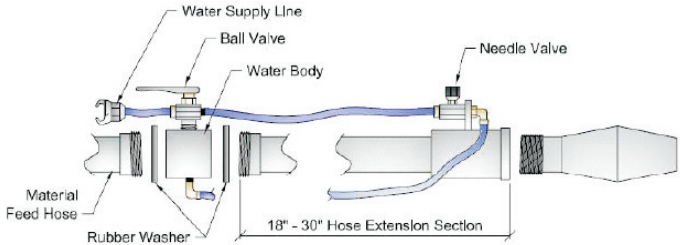


ABB Frequency Converter

# Pre-dampening Nozzle Assy

Improve the gunning quality by using the gunmix moistening system. At the gunmix moistening system the gunning material is moistened in mixing head by a fog of compressed air and water.

- ★ Improve quality, compactness and strength;
- ★ Less rebound;
- ★ Reduce dust emission.



# Refractory Shotcrete Pump

Refractory shotcrete pump is our ultra-high pressure swing tube piston pump designed for refractory and shotcrete applications requiring as much as 8m³/h. We designed the pump to be user-friendly and easy to operate and maintain. It could work together with refractory pan mixer, and achieve refractory castable wet spraying in refractory installing project.



Description	Data
Output	5-8m³/h
Max. pressure	8Mpa
Distribution valve type	S valve
Stroke x cylinder ID	550×120mm
Hopper volume	210L
Power	22Kw
Rotation	1450r/min
Main oil pump	30-50cc/Rev
Hydraulic oil tank	160L
Air pressure	0.7Mpa
Air consumption	6m³/min
Max. aggregate size	20mm
Suitable material slump	8-15cm
Dimensions	3500x1360x1530mm
Weight	1515kg

# Pressure Vessel Gunning Machine

The use of pressure vessel gunning machine is recommended, when bigger amounts of gunning material shall be processed. These machines cause only very low wear costs due to their construction principle. In most cases the machines are filled big bags, but it is also possible to use a pre-container for the storage of gunning material. GD-BJ and GD-BP series pressure vessel gunning machine is equipped for transportation by crane or fork lift. it is designed for the hot repair of converters, electric arc furnaces and ladles.



## GD-BJ Series (Electric and Pneumatic)

Description	Technical Data			
Model	GD-BJ0.75	GD-BJ1.0	GD-BJ2.0	GD-BJ2.5
Tank capacity	0.75m³	1.0m³	2.0m³	2.5m³
Output capacity	10~30kg/min	20~80kg/min	30~100kg/min	60~160kg/min
Max. Aggregate size	≤5mm	≤5mm	≤5mm	≤5mm
Switch-plant size	200, 300mm	300, 400mm	400, 500mm	400, 500mm
Conveying distance	80m(H)/30m(V)	80m(H)/30m(V)	80m(H)/30m(V)	80m(H)/30m(V)

## GD-BP Series (Full Pneumatic)

Description	Technical Data			
Model	GD-BP0.75	GD-BP1.0	GD-BP2.0	GD-BP2.5
Tank capacity	0.75m³	1.0m³	2.0m³	2.5m³
Charge amount	1200kg	1700kg	2500Kg	3500Kg
Output capacity	30~80kg/min	40~80kg/min	50~80kg/min	60~80kg/min
Max. Aggregate size	≤5mm	≤5mm	≤5mm	≤5mm
Conveying distance	80m(H)/30m(V)	80m(H)/30m(V)	80m(H)/30m(V)	80m(H)/30m(V)



## Refractory Pan Mixer

Refractory pan mixer uses only top-quality materials to support industrial level mixing. Refractory pan mixer is reinforced with bolt in high wear resistance steel drum liners, making the refractory pan mixer the most durable refractory mixers on the market.

The unique paddle design is exclusive to GAODETEC. The paddles are oriented vertically to forcibly cut through material. Durable mixing blades allow for uniform mixing.



GRM100 &amp; GRM250



GRM500



GRM800

## Feature

- ★ Specially designed for site operation;
- ★ Fast mixing speed and homogeneous;
- ★ Compact structure;
- ★ Comfortable feeding height;
- ★ Easy to move, equipped with wheels or forklift hole;
- ★ Hydraulic discharge door for option;
- ★ With high pressure water washer device;
- ★ Low maintenance cost.

Model	GRM100	GRM250	GRM500	GRM800
Mixing Capacity	100KG	250KG	500KG	800KG
Rotate Speed	49rpm	46rpm	36rpm	39rpm
Motor Power	4Kw	7.5Kw	11Kw	18.5Kw
Feeding Height	1000mm	1150mm	1400mm	2500mm
Dimensions	0.81x0.80x1.09m	1.02x1.02x1.12m	1.7x1.25x1.35m	2.8x1.88x2.64m
Weight	420kg	650kg	1010kg	1350kg



Easy to lift up the cover



Bolt in wear resistance steel drum liners



Limit switch for protecting operator



Soft start protects motor for GRM500 &amp; GRM800



High pressure water washer device for GRM800



Manual discharge door