



# LOHE *Guncrete* GUNITE MACHINE

Electrically Driven Dry-Mix Shotcrete Machine



## Applications:

- Refractory Spraying
- Tunnel Lining
- Concrete Repair
- Buildings
- Excavations
- Slope Stabilization
- Rockscaping
- Pools & Spas
- Mines Support
- Channels
- Piers
- Sea Walls
- Sewers
- Parks & Zoos
- Retaining & Fire Walls
- Dams & Reservoirs
- Sand & Rock Backfill
- Concrete Pipe
- Ditches

## LOHE:

LOHE provides a very even flow of material which allows uniform hydration and smooth placement.

The adjustable output of material may be increased without sacrificing the quality of the application.

LOHE uses an electric motor to rotate the machine's material feed bowl. An air compressor is required to convey material from the feed bowl to the nozzle (sold separately).

## Standard Features:

- Continuous feed hopper with bag breaker
- 2 blade or 5 blade agitator
- Direct drive 5 horsepower, 3 Phase Cycle Electric Motor to power feed bowl
- 50Hz or 60Hz cycles available
- 220v, 230v, 360v, 440v, 460v, 575v and others available
- Optional hopper safety hood
- Optional ultralight non-stick rotary feed wheel

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## Electrically Driven Dry-Mix Shotcrete Machine

### LOHE CONFIGURATIONS- Large Open Vertical-Feed Electric-Powered

| # | Feed Bowl Pockets | Hose Size (I.D.) | Maximum Aggregate Size | Air Compressor (Recommended size at 100 psi) | Maximum Output**                              | Common Applications   |
|---|-------------------|------------------|------------------------|--|---|---|
| 1 | 30                | 1" (2.5cm)       | 1/8" (3.5mm)           | 210 cfm (6.0m <sup>3</sup> /min)             | 2yd <sup>3</sup> /hr (1.5m <sup>3</sup> /hr)  | fine, detailed artistic-type work, rockscaping, patch, repair.                              |
| 2 | 21                | 1 1/4" (3.2cm)   | 1/4" (7mm)             | 315-375 cfm (9-11m <sup>3</sup> /min)        | 5yd <sup>3</sup> /hr (3.8m <sup>3</sup> /hr)  | Refractory spraying, repair work, smooth finish   |
| 3 | 21                | 1 1/2" (3.8cm)   | 3/8" (10mm)            | 375-450 cfm (11-13m <sup>3</sup> /min)       | 6yd <sup>3</sup> /hr (4.6m <sup>3</sup> /hr)  | Refractory spraying, repair work, smooth finish   |
| 4 | 20                | 1 1/2" (3.8cm)   | 1/2" (13mm)            | 375-450 cfm (11-13m <sup>3</sup> /min)       | 8yd <sup>3</sup> /hr (6.1m <sup>3</sup> /hr)  | Civil Construction, Higher-Volume Refractory spraying, smooth finish                        |
| 5 | 15                | 2" (5cm)         | 1/2" (13mm)            | 450-600 cfm (13-17m <sup>3</sup> /min)       | 12yd <sup>3</sup> /hr (9.2m <sup>3</sup> /hr) | Civil Construction Concrete Spraying, (Less Volume than with L.A. (Large Aggregate) system) |
| 6 | 15 L.A.           | 2" (5cm)         | 5/8" 16mm              | 450-600 cfm (13-17m <sup>3</sup> /min)       | 12yd <sup>3</sup> /hr (9.2m <sup>3</sup> /hr) | Swimming Pool Construction, conveying aggregate for backfill, civil construction            |
| 7 | 12                | 2" (5cm)         | 5/8" 16mm              | 450-600 cfm (13-17m <sup>3</sup> /min)       | 12yd <sup>3</sup> /hr (9.2m <sup>3</sup> /hr) | Swimming Pool Construction (15 L.A. bowl provides smoother finish)                          |

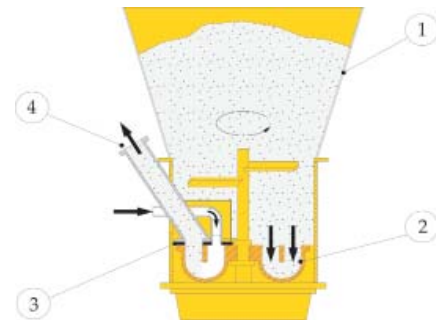
\* Additional air may be required depending on altitude and atmospheric pressure.

\* L.A. (Large Aggregate Feed Bowl)

\*\*Feed Bowl, material, air system, nozzle man capability together determine maximum output. Specifications subject to change without prior notice.

| MODEL                                 | LOHE   |      |
|---------------------------------------|--|------|
| Maximum Horizontal Conveying Distance | ft   | 1000 |
|                                       | m  | 305  |
| Maximum Vertical Conveying Distance   | ft   | 300  |
|                                       | m  | 91   |
| Hopper                                | Standard, Tall Pre-Mix, Short Pre-Mix & Refractory |      |
| Gross Weight (Approx.)                | lbs  | 780  |
|                                       | kg   | 355  |

Maximum theoretical performance shown above. Performance will vary depending on mix design, delivery line diameter, and distance. Specifications subject to change without prior notice.



### Operating Principle:

REED's LOHE dry mix gun has been using the same basic operating principle for almost 50 years.

1. The dry mix is fed through a hopper into the pockets of the rotary feed wheel.
2. The rotary feed wheel, driven by a heavy-duty oil bath gear drive, rotates the mix under the conveying air inlet and material outlet.
3. With the introduction of single source compressed air, the mix is evacuated from the feed wheel pockets and then travels through the outlet.
4. The dry mix is then conveyed in suspension through the dry mix hose to the shotcrete nozzle where water is introduced.

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