

COUGAR

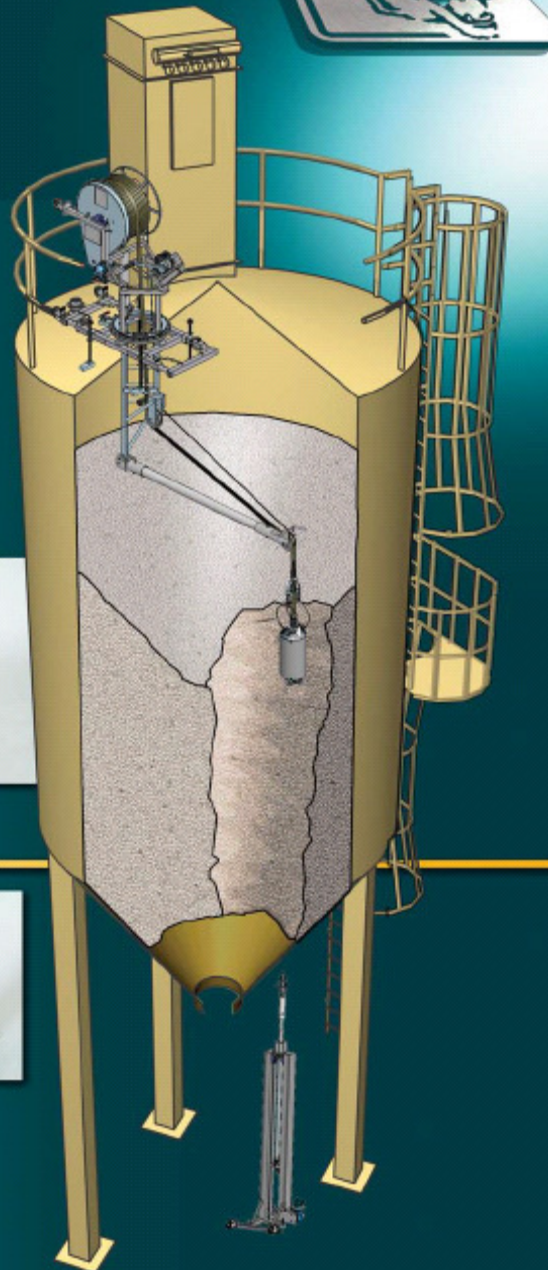


Bin Cleaning Systems

GYRO-WHIP



POWER LANCE



**Gulf
Atlantic**

INDUSTRIAL EQUIPMENT INCORPORATED
Concrete, Aggregate, and Material Handling Equipment
Concrete Solutions with Rock Solid Results
800-792-7427

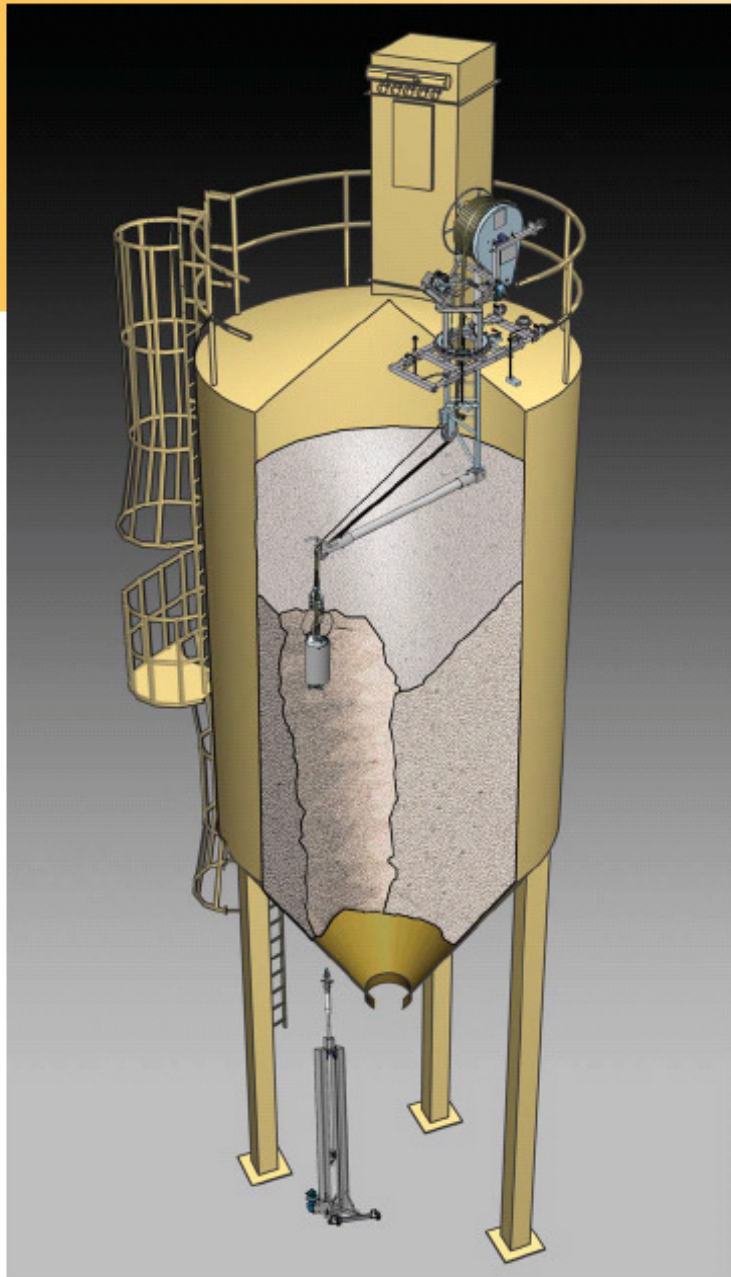
www.GulfAtlanticEquipment.com

*The safe alternative
for cleaning
blocked or
compacted silos.*

A completely portable
system that allows you to
quickly clean a storage
unit from the outside.

Prevent:

- High cost of material blockages
- Injuries or fatalities due to workers entering the vessel
- Reduced storage capacities
- Loss of inventory from contamination or infestation
- Vessel damage



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The Gyro-Whip

USA Patent # 4,509,701
Canadian Patent # 1208188
Other world patents
available upon request

- Knocks down solidly compacted materials no matter how difficult
- Within 45 minutes you can assemble and start the cleaning process
- Easily accomplished by only 2 men
- Use on various sizes and shapes of bins
- Fast to deploy when unexpected blockages occur
- Never send a man inside a bin and risk injury, burial, suffocation or fatality
- Power requirements are low

Specifications:

- Air Requirements - 85 psi @ 100 cfm
- Boom weight - 475 lbs.



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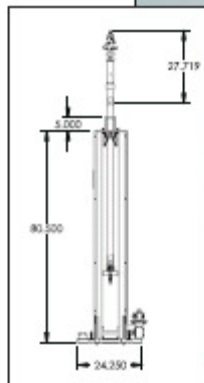
The Power Lance

...for silos that are completely blocked.

- Create the access path from beneath the blockage allowing the material to fall away from the drill head.
- Drilling from below requires less power.
- Break through the blockage and loose material above will fall freely through the hole.
- Compressed air driven
- Drill to heights of 120 feet (36m).

Specifications:

- Air Requirements - 85 psi @ 45 cfm
- Frame weight - 160 lbs.
- Drill shaft length - 5 ft.



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Power Lance

The Power Lance Drill is used in conjunction with the Gyro-Whip.

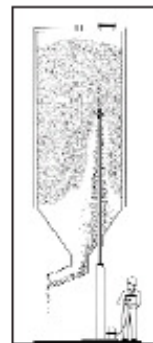
This drill creates the hole from the base of the storage container when completely blocked. Attacking the bridge from underneath, allows material to fall away from the Drill-Head as it cuts requiring less power than drilling from the top.

Since many bridges are only solid in the lower portion of the bin this drilling method allows the loose material to flow through the hole in the base instead of drilling through the full height of the silo... Driven by compressed air and is remotely controlled.

Drilling can be carried out to heights of 36m (120 ft).



Drill Heads



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SPECIFICATIONS

Gyro-Whip

Minimum Air Requirements:

Pressure 85 p.s.i. (6 kp / cm²)

Volume 100 c.f.m. (2.83 m³ / mn)

Note: Preferred manhole size to be a minimum of 18 in. (46 cm) square or 19 in. (48 cm) round. If manholes are smaller please notify Northern Vibrator.

A = 22 in. (56 cm)

B = 8 5/8 in. (22 cm)

WT = 77 lbs. (35 kg)

Boom weight:

450 lbs. (200 kg)

Mini Boom weight:

350 lbs. (160 kg)



Power Lance

Minimum Air Requirements:

Pressure 85 p.s.i. (6 kp / cm²)

Volume 45 c.f.m. (1.3 m³ / mn)

C = 7 ft. 1 1/2 in. (2.172 m)

D = 2 ft. (0.610 m)

E = 1 ft. 10 in. (0.562 m)

Weight

Frame 160 lbs. (72.5 kg)

Drill Head 12 lbs. (5.5 kg)

Drill Pipe 13 1/2 lbs. (6.0 kg)

5 ft. (1.524 m)



Contact us for an analysis of your needs and equipment recommendations.

Canadian Patent # 1208188 • USA Patent # 4,509,701 • Other world patents available on request.

Northern Vibrator products manufactured by
Cougar Industries Inc.



Gyro-Whip

"The Original" and continues to be the market leader worldwide - for cleaning bins, silos and hoppers.
Global Patents Registered.

Power Lance

Creates "point of entry" for Gyrowhip in plugged bins, silos and hoppers.

Vibrators

Performance leader in the Vibrator market

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