



Barrel Blast Cleaning Equipment



GOFF®

"Blasting Solutions"

Performance and Production You Can Depend On

Goff's Barrel Blast machines are designed for cleaning large volumes of small to medium-sized parts. An endless rubber mill belt gently tumbles and exposes the parts to the abrasive blast. Recognized for their high production and cost effectiveness, Goff offers barrel blast machines that are computer controlled and fully automated, with loader and takeaway conveyor options also available.



Abrasive Blast Equipment

Goff's Barrel Blast

Goff's airless Barrel Blast machines are the natural choice for economical batch-type blast cleaning and surface preparation on parts or castings that can be tumbled for maximum coverage. Goff offers several sized of Barrel Blast machines from 1½ - 24 cubic foot volume capacities, with load capacities ranging from 200 - 3,000 lbs. The Goff Barrel Blast machines are proven in the following industries: die casting, automotive component and engine re-manufacturing, heat treat, investment cast, foundries, shot peening and forging; as well as numerous other surface preparation and cleaning applications.

Goff Barrel Blast machines have been well proven over the years. Whether used intermittently or in multi-shift operations, Goff Barrel Blast machines provide unparalleled advantages:

- Attractive price/value ratio
- Easy operation, with very little training required
- Quick and easy exchange of worn or spare parts
- Simple, straightforward design
- Ease of maintenance
- Long life
- Pit-less design
- Automation packages



Goff's 3 Cube Barrel machine offers a low profile design & 400 lb. load capacity.

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Built Tough....And Effective

Barrel Blast Benefits

- Components to be cleaned may be loaded manually, mechanically, or automatically
- Simple, proven, efficient batch cleaning
- Floor space-saving construction
- Gentle tumbling of parts for consistent, overall blast pattern exposure
- Individual cycle times based on cleaning requirements



The basic working principle of Goff's Barrel Blast machine.

Built Simple...And Effective

Goff has concentrated on building reliable blast equipment that provides superior solutions to customer needs.

- **Cabinet Construction** Compact and sturdy with large doors for easy accessibility, no pit required.
- **Rubber Belt** Continuous molded, multi-ply rubber belt with drain hole. Larger machines (12 and 24 Cube models) are equipped with an additional belt that provides support to the tumbling belt for large or heavy capacity loading.
- **Mill Jam Protection** Current monitor shuts off mill and blast wheel drives if the mill reaches a preset load condition, reducing the risk of damage to the rubber, tumble belt and interior liners.



Goff's 12 Cube Barrel Blast machine has a 1,600 lb. capacity. Shown with programmable-controlled automatic package including remote control pedestal, hydraulic pivot loader and vibratory takeaway conveyor. Most Goff models are optionally available with automation capabilities.

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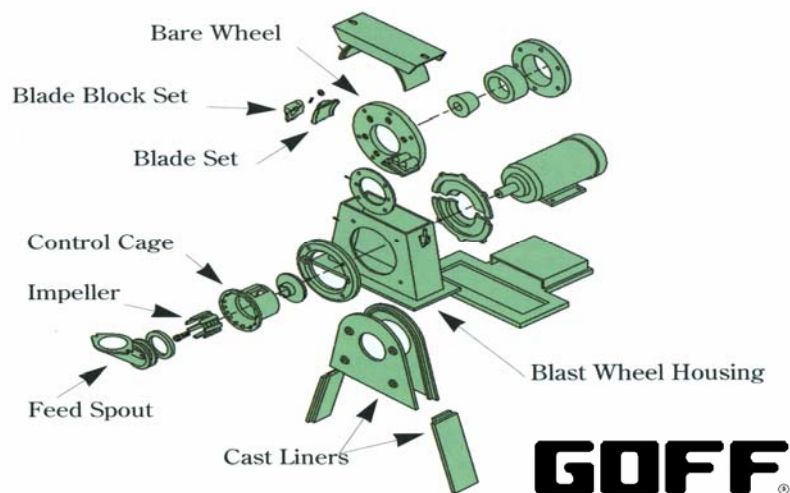


Efficiency and Precision: Goff Blast Wheels

The Blast Wheel assembly is the heart of every Goff machine. Each Goff blast wheel is equipped with premium cast blades. During the blast operation a measured flow of abrasive flows continuously through the feed spout into the impeller, which is rotating in synchronization with the blast wheel. The abrasive accelerates within the impeller and is smoothly inserted onto the individual blades through a slot in the control cage. The positioning of the slot, which is adjusted by rotating the control cage, determines the direction of the blast stream and allows the "hot spot" to be easily set. An ammeter measures the actual flow of abrasive.

The Goff Difference

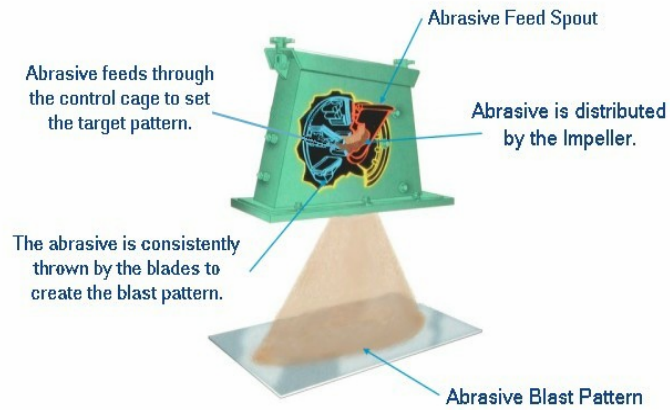
- **Direct Drive Blast Wheels** Assures maximum energy is optimally used at all times.
- **Curved Blades** Curved in the direction of the rotation to provide high velocity and even distribution and better blast pattern control.
- **Unique Snap-Lock Blade Design** Enables quick and easy removal and replacement of worn blades.
- **Blade Sets** Weighed prior to leaving the factory to improve the balance and life expectancy of the wheel assembly.
- **Fully Lined Wheel Housing** With interlocking, cast wear-resistant liners, the interior of the blast wheel housing is protected.
- **Adjustable Abrasive Valve** Allows precise control of abrasive flow.





Efficiency and Precision: Goff Blast Wheels

Abrasive Blast Wheel



Unique Snap-Lock Blade system allows easy and quick blade change.

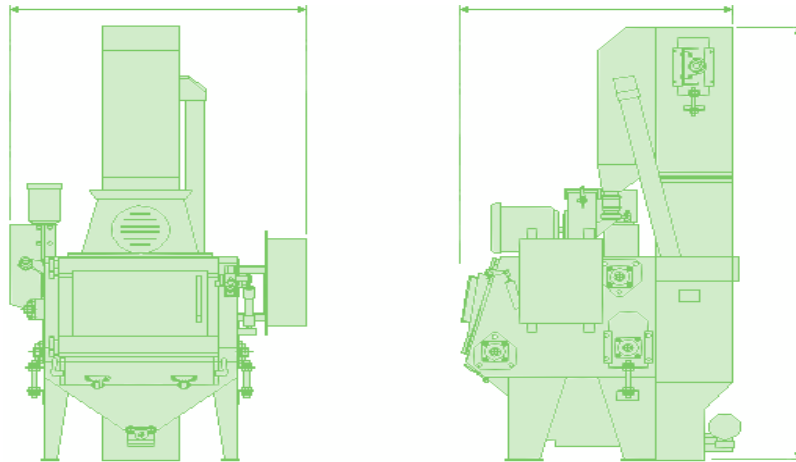


The adjustable control cage assures accurate blast pattern control.

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Technical Data



Model	1-1/2 Cu. Ft.	2 Cu. Ft.	2-1/2 Cu. Ft.	3 Cu. Ft.	6 Cu. Ft. S	6 Cu. Ft. D	12 Cu. Ft. S	12 Cu. Ft. D	24 Cu. Ft.
Number of Blast Wheels	1	1	1	1	1	1	1	1	2
Power Per Blast Wheel (HP)	5 HP	5 HP	3 HP	7-1/2 HP	15 HP	15 HP	20 HP	20 HP	2x15 HP
Abrasive Initial Filling (lbs.)	175	175	175	300	400	1200	2000	2000	4000
Workload Capacity (lbs.)	200	250	250	400	800	1600	1600	1600	3000
Workload Dimensions	18"x20"	24"x22"	30"x24"	31"x24"	37"x28"	37"x28"	38"x42"	38"x42"	58"x48"
Single Lip Separator		9"		12"	14"		20"		
Double Lip Separator						•		•	•
Rotary Screen	(1)	(1)		(1)	(1)	•	•	•	•
Required Ventilation (CFM)	500	700	500	800	800	2000	2000	2000	2500
Total HP Without Dust Collector	6	6	4-3/4	8-3/4	17-1/4	19-1/2	23-3/4	24-1/2	45-1/4
Total Amps @ 460 Volts	11	11	7.6	14	27	27	34	34	59
Dimensions									
Height	7'	9'5"	9'8"	9'3"	12'6"	11'8"	15'3"	15'2"	18'
Width	4'	4'8"	4'8"	4'10"	7'2"	10'5"	8'8"	10'8"	14'7"
Depth	3'11"	4'	4'5"	5'3"0	6'1"	4'8"	5'6"	5'8"	7'7"
Total Machine Weight (lbs.)	1300	1500	1740	2500	5600	7000	9500	10000	18500

(1) Optional feature

Specifications subject to change without notice.



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Goff, Inc.

12216 NS 3530
P.O. Box 1607
Seminole, OK 74868

Phone: 405-382-6900
Fax: 405-382-7013
Toll Free: 800-654-4633
E-mail: goff@goff-inc.com
www.goff-inc.com