



CLEMTEX

*Corrosion Control
Equipment and Supplies*



Product Catalog



Products Manufactured by:

**Clemtex • Clemco • Bullard • DeVilbiss
Binks • Graco • Zero • Econoline
RPB/Nova • Reed • Green Diamond
DeFelsko • ElektroPhysik**

COMPLETE — DEPENDABLE — KNOWLEDGEABLE

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Compressed Air and Abrasive Consumption

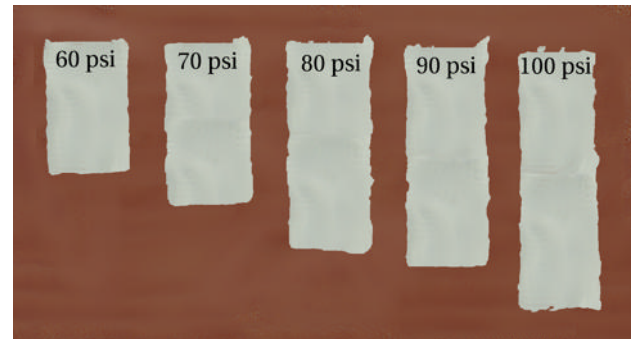
Nozzle Orifice	Pressure at the Nozzle (psi)						Air, Abrasive and HP Requirements
	50	60	70	80	90	100	
No. 2 (1/8")	11	13	15	17	18.5	20	Air (cfm)
	0.67	0.77	0.88	1.01	1.12	1.23	Abrasive (cu.ft./hr & lbs/hr)
	2.5	3	3.5	4	4.5	5	Compressor hp
No. 3 (3/16")	26	30	33	38	41	45	Air (cfm)
	1.5	1.71	1.96	2.16	2.38	2.64	Abrasive (cu.ft./hr & lbs/hr)
	150	171	196	216	238	264	Compressor hp
No. 4 (1/4")	47	54	61	68	74	81	Air (cfm)
	2.68	3.12	3.54	4.08	4.48	4.94	Abrasive (cu.ft./hr & lbs/hr)
	268	312	354	408	448	494	Compressor hp
No. 5 (5/16")	77	89	101	113	126	137	Air (cfm)
	4.68	5.34	6.04	6.72	7.4	8.12	Abrasive (cu.ft./hr & lbs/hr)
	468	534	604	672	740	812	Compressor hp
No. 6 (3/8")	108	126	143	161	173	196	Air (cfm)
	6.68	7.64	8.64	9.6	10.52	11.52	Abrasive (cu.ft./hr & lbs/hr)
	668	764	864	960	1052	1152	Compressor hp
No. 7 (7/16")	147	170	194	217	240	254	Air (cfm)
	8.96	10.32	11.76	13.12	14.48	15.84	Abrasive (cu.ft./hr & lbs/hr)
	896	1032	1176	1312	1448	1584	Compressor hp
No. 8 (1/2")	195	224	252	280	309	338	Air (cfm)
	11.6	13.36	15.12	16.8	18.56	20.24	Abrasive (cu.ft./hr & lbs/hr)
	1160	1336	1512	1680	1856	2024	Compressor hp

Pressure Loss in Air Hose

I.D.	Pressure Loss	Production Loss
3/4"	1.1 psi	16.6%
1"	2.4 psi	3.6%
1-1/4"	0.7 psi	1.0%
1-1/2"	0.2 psi	0.3%

Minimum Compressor Air Line Sizes

Nozzle	Orifice Size	Increase in Air Consumption
No. 4	1/4" 6.5mm	
No. 5	5/16" 8.0mm	60% more than No. 4
No. 6	3/8" 9.5mm	38% more than No. 5
No. 7	7/16" 11.0mm	36% more than No. 6
No. 8	1/2" 12.5mm	33% more than No. 7



The importance of nozzle pressure is illustrated above. Proper nozzle pressure (90-100 psi) results in high production cleaning and low abrasive use in the same amount of time.

System Air Volume Requirements at 100 psig

Nozzle	Orifice Size	Volume of Air	Plus Helmet	Plus 50% (reserve)	Minimum Air Required
No. 4	1/4"	81	20	50	151 cfm
	6.5mm	2.3	0.5	1.4	4.2 m ³ /min
No. 5	5/16"	137	20	79	236 cfm
	8.0mm	3.9	0.5	2.2	6.6 m ³ /min
No. 6	3/8"	196	20	108	324 cfm
	9.5mm	5.5	0.5	3	9.0 m ³ /min
No. 7	7/16"	254	20	137	411 cfm
	11.0mm	7.2	0.5	3.9	11.6 m ³ /min
No. 8	1/2"	338	20	179	537 cfm
	12.5mm	9.6	0.5	5	16.1 m ³ /min

Minimum Compressor Air Line Sizes

Nozzle	Nozzle Orifice Size	Minimum Air Line ID
No. 3	3/16"	1"
	5.0mm	25.0mm
No. 4	1/4"	1"
	6.5mm	25.0mm
No. 5	5/16"	1-1/4"
	8.0mm	32.0mm
No. 6	3/8"	1-1/2"
	9.5mm	38.0mm
No. 7	7/16"	2"
	11.0mm	50.0mm
No. 8	1/2"	2"
	12.5mm	50.0mm
No. 10	5/8"	2-1/2"
	16.0mm	64.0mm
No. 12	3/4"	3"
	19.0mm	76.0mm

Abrasive Comparison

Material	Mesh Size	Shape	Density lbs/ft ³	Mohs	Friability	Source	Typical Applications
Slag	8-80	Angular	85-112	7.0-7.5	high	By-Product	Outdoor blast cleaning
Steel Grit	10-325	Angular	230	8.0	low	Manufactured	Removing heavy scale
Steel Shot	8-200	Spherical	280	8.0	low	Manufactured	Cleaning, Peening
Al. Oxide	12-325	Angular	125	8.9-9.0+	med	Manufactured	Cleaning, Finishing, Deburring, Etching
Glass Beads	10-400	Spherical	85-90	5.5	med	Manufactured	Cleaning, Finishing
Garnet	12-80	Angular	45-60	3.0-4.0	low/med	Manufactured	Paint Stripping, Deflashing, Cleaning
Green Lightening	120	Angular	115	7.0	med	Natural	Paint Stripping, Cleaning
Corn Cob	8-40	Angular	35-45	2.0-4.5	med	By-Product	Removing paint from delicate surfaces



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10 Essential Components to Succeed in Today's Economy

In today's business environment, if you're standing still, you're moving backwards! Pursuing the details yields efficiency and competitiveness. Here is a list of the 10 Essential Blasting Components.

1. Compressed Air

FACT: 100 psig does twice the work of 60 psig

Pressure + Volume = Cost Effective

NPG-100



PBAG



**Does your compressor maintain pressure?
How much air does it TRULY produce?**

See Page 2 for importance of air pressure

2. Air Supply Hose

FACT: Hose 1/4" undersized can restrict pressure by 30%

**Large Nozzle + Large Hose
= High Production**



**Small hose + Large Nozzle
= Low Production**

See Page 2 for importance of air pressure



3. Moisture

**FACT: Compressors generate heat while compressing air.
There WILL be moisture in your air.**





Wet Dirty Air Generates:

- Surface Contamination
- Up to 50% loss in production
- Up to 50% increase use of abrasive

See Air Dryers on Page 11

4. Blast Machine

FACT: The Blast Machine is the Heart of the Operation



**Large Piping
Avoid Sharp Angles
Precise Metering Valves**

Low Production Machine

High Production Machine

See Blast Machines on Page 12



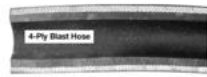
5. Blast Hose

FACT: Nozzle Size Determines Blast Hose Size



**Large Blast Hose + Small Nozzle
= Loss of Production**

**Small Blast Hose + Large Nozzle
= Loss of Production**



**Long Runs of Blast Hose = Loss
in Pressure & Production**

See Pressure Drop Information on Page 2

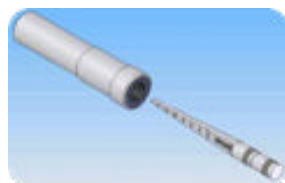
6. Blast Nozzle

**FACT: A nozzle worn 1/16" larger than original size will
DECREASE Production by 15-20%**



Worn Nozzle will yield:

- Increased air consumption
- Increased abrasive consumption
- Increased labor costs
- Decreased abrasive velocity



Test your nozzle
with PBAG and
NPG-100 gauges.

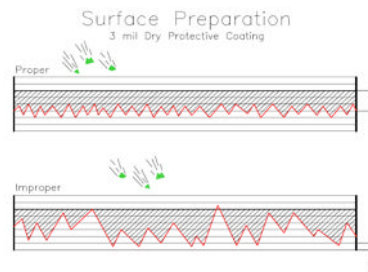


See Nozzles on Page 23



7. Abrasive

FACT: Poorly Graded Abrasive will DECREASE cleaning rates and INCREASE paint costs



Uneven anchor profile
Decreased cutting/cleaning rate
Increased paint usage to cover peaks
Increased coating failures

See Abrasives on Page 9

8. Operator Comfort and Safety

FACT: As Operator Comfort and Safety Increases, Performance increases and Injuries decrease



NIOSH approved air fed hood
Air conditioner/heater unit
Activated Charcoal and Particulate Filter
NIOSH approved helmet supply hose
Carbon Monoxide Monitor
Abrasive resistant clothing

See Operator Safety Equipment on Page 20-22 and 31



9. Blaster Technique

FACT: Skill of the Blasting WILL 'make' or 'break' a Job



Consistent movement of the nozzle
Monitor abrasive flow
Double blast welds and imperfections

See Blast Cleanliness Information on the Back Cover Page

10. Supervision and Communication

FACT: Limited Supervision yields Uncertain Outcome



**Communicate Expectations &
Observe Periodically with
Inspection Tools:**

- Blast pressure at nozzle
- Nozzle orifice wear
- Moisture content
- Abrasive Quality
- Equipment operation
- Operator Technique
- Operator safety equipment
- Operator comfort

See Inspection Equipment on Pages 32-34



Blasting Abrasives

All Grades are less than 1% Free Silica & Stocked in Clemtex Warehouses

Black Beauty



Black Beauty is a mineral slag that has sharp diamond-like cutting edges, and does not attract moisture, while providing fast cleaning rates, and an excellent anchor profile for a superior coating adhesion. **Grades** – BB-2 extra coarse, BB-3 medium, BB-4 fine, BB-6 extra fine. **Packaging** – 50# bags, 100# bags, 3000# bulk bags, 25 ton bulk loads

Green Diamond



Green Diamond is a mineral slag that has sharp cutting edges, well graded and very clean, while providing superior cleaning rates, and a containment free surface for superior coating adhesion. **Grades** – GD-2 (8/16 mesh) for marine and utility cleaning, GD-3 (16/36 mesh) for all purpose blasting, GD-4 (20/50 mesh) for new steel blasting and GD-6 (30/50) for general cleaning. **Packaging** – 50# bags, 100# bags, 3000# bulk bags, 25 ton bulk loads.

Green Lightning



Green Lightning is a naturally occurring mineral "Olivine" that is well graded and is generally used in blast rooms and cabinets. **Grades** – GL2.8 (40 mesh), GL2.0 (70 mesh), GL1.0 (100 mesh). **Packaging** – 50# bags, 100# bags

Starblast XL



Starblast is a naturally occurring mineral "Staurilite" that is fast cleaning and is generally used in blast rooms and cabinets. **Grades** – STR XL (40/80 mesh). **Packaging** – 50# bags.

Garnet



Garnet is a naturally occurring mineral that is precisely graded, fast cutting, may be recycled many times, and is used in blast rooms and cabinets. **Grades** – #16GAR (16 mesh), #36GAR (36 mesh), #60/80GAR (60/80 mesh), #80WS (80 mesh) graded specifically for water-jet cutting, #150GAR (150 mesh). **Packaging** – 100# bags.

Aluminum Oxide



Aluminum Oxide is fused alumina grains that are hard, blocky and tough for extra fast cutting action that is precisely screened for "specification use" which may be reclaim many times and is ideal for blast rooms and cabinets. **Grades** – #16, #24, #36, #54, #60, #80, #100, #120, #150, #180, #220 (finer grades are excellent for turbine blade cleaning). **Packaging** – 50# bags.

Steel Grit



Steel Grit is a high carbon angular pellet that is made in the range of hardness 32 to 65 Rockwell C which is highly recyclable producing minimal dust and used primarily in blast rooms. **Grades** – GR-14, GR-16, GR-25, GR-40, GR-50, GR-80.

Packaging – 50# bags, 55 gallon drums.

Steel Shot



Steel Shot is a high carbon, cast steel round media that is hardened and tempered that is used in centrifugal wheel blast machine and also used in applications requiring peening and hardening of critical surfaces. **Grades** – S-110 (.011" dia.), S-170 (.017" dia.), S-230 (.023" dia.), S-280 (.028" dia.), S-330 (.033" dia.), S-390 (.039" dia.), S-460 (.046" dia.). **Packaging** – 50# bags, 55 gallon drums.

Glassbeads



Glassbeads are microscopic spherical glass beads used in wet honing and dry blasting for cleaning, polishing, peening, de-burring and finishing operations achieving very close tolerances. **Grades** – 25/45 mesh, 50/80 mesh, 60/100 mesh, 70/140 mesh, 100/200 mesh, 170/325 mesh. **Packaging** – 50# bags.

Walnut Shells



Shellblast is a soft grit abrasive that is non-sparking, and will not scratch, pit or damage metal, also excellent for cleaning precision parts, impellers, electrical connections, and soft metals. **Grades** – AD-0B (4/6 Mesh), AD-1B (6/10 Mesh), AD-3B (12/20 Mesh), AD-6B (20/40 Mesh), AD-9B (40/100 Mesh). **Packaging** – 50# bags.

Corn Cob Grit



Grit-O-Cob is the crushed inner core of corn cobs and is a highly absorbent, non-sparking media that cleans electrical components and soft metal fast with no abrasion to the surface, and is also used in tumbling equipment. **Grades** – 8/14 Mesh, 14/20 Mesh, 20/40 Mesh. **Packaging** – 50# bags.

NOTE: O.S.H.A. Standard PB-246-697 states "...because silica sand is such severe silicosis hazard, abrasives with less than 1.0% free silica should be used as a substitute..."



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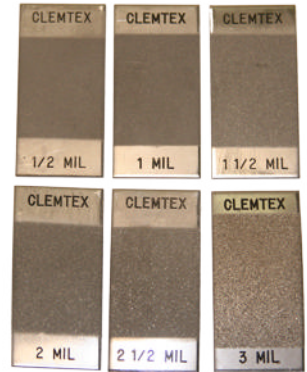
Clemtex Anchor Pattern Standards

The CAPS (Clemtex Anchor Pattern Standards) are designed for the purpose of a quick field inspection of a blast-cleaned surface to determine anchor pattern depth within 1/2 Mil.

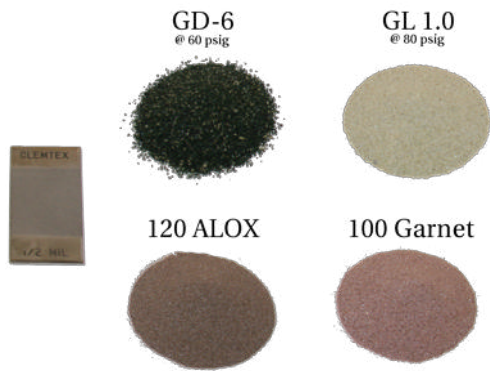
The anchor pattern is all-important to protective coatings in that it provides excellent coating adhesion. It is important that the anchor pattern be uniform over its entire surface. This is accomplished using a clean, well-graded or sized abrasive.

The chart included will aid in obtaining the proper abrasive size specified.

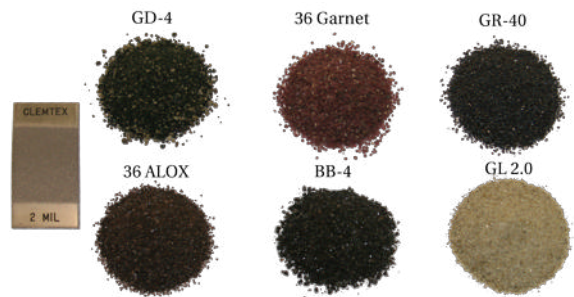
It should be remembered that abrasive sizes vary and a close inspection of size tolerance (approx. 10%) should be maintained, especially where abrasives are reclaimed and re-used. Reclaimed abrasives should be angular and not rounded and free from oil, grease, iron oxide, etc.



0.5 MIL



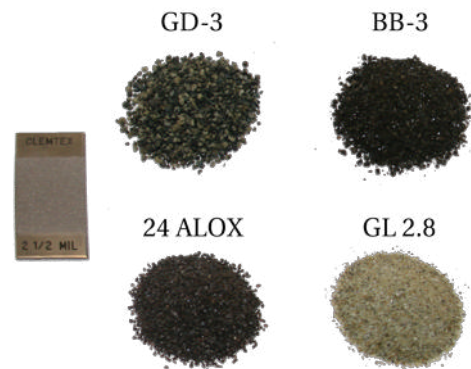
2.0 MIL



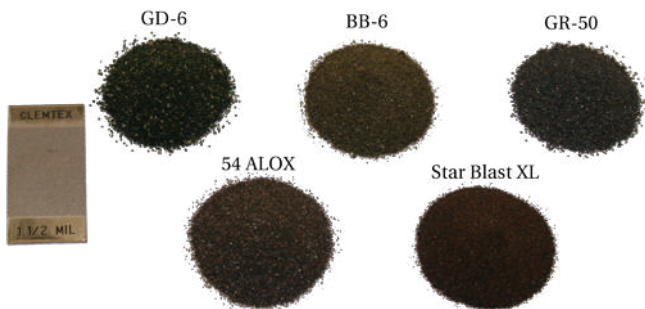
1.0 MIL



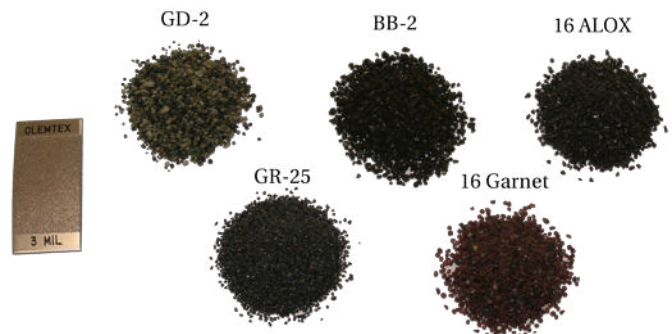
2.5 MIL



1.5 MIL



3.0 MIL



NOTE: 100 psig should be used for those not already stated.



Blasting Equipment Air Dryers

The Clemtex Regenerative/Reheater Dryer is designed to cool compressed air, remove the moisture from the air and finally reheat the dried air to further increase the difference in dew point. Compressed air is directed into the first stage 'air to air' heat exchanger to store excess heat from the compressed air. This hot moisture laden air is then directed into the pneumatically driven fan cooled aluminum radiator where it is cooled and water vapor begins coagulating into large droplets. The cooled air is then directed through a coalescing filter to remove the moisture. This cool dry air is finally directed into the first stage 'air to air' heat exchanger where the air is reheated to further increase the difference in dew point of the air. This system includes a 2" air inlet, 2" hot air outlet, 3/4" hot air outlet and 3/4" cool air outlet.

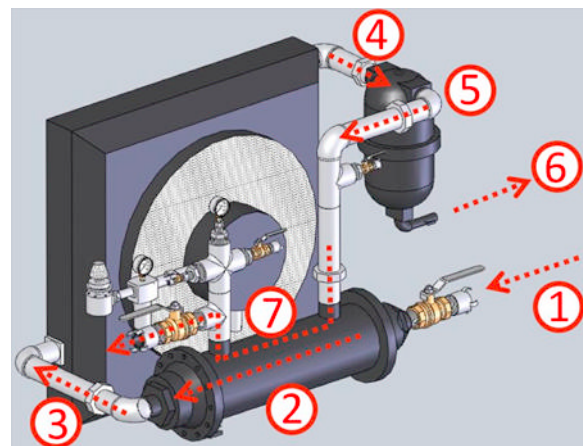
CFM	Mount	Part #
430	Skid	430SM
	Trailer	430TM
750	Skid	750SM
	Trailer	750TM
1000	Skid	1000SM
	Trailer	1000TM
1300	Skid	1300SM
	Trailer	1300TM
1700	Skid	1700SM
	Trailer	1700TM
2100	Skid	2100SM
	Trailer	2100TM



Clemtex Regenerative Dryers are the most efficient dryers for portable blasting applications, and here's why:

- 1. 180° Inbound moisture laden air** - Air in from compressor: A standard screw air compressor will increase compressed air temperature 100° over ambient temperature
- 2. Air to Air Heat Exchanger** - Inbound air heats exchanger to reheat air after cooling and moisture removal
- 3. 180° Inbound moisture laden air to fan cooler**
- 4. 90° Inbound moisture laden air** - Air is cooled in a high efficiency, vacuum formed aluminum pneumatic fan radiator
- 5. Cooled dry air to heat exchanger**
- 6. Moisture exhaust** - Moisture is removed from cooled inbound air thru a centrifugal trap
- 7. 140° Heated dry air outlet to equipment** - Cooled 90° dry air is heated to 140° hot dry air which further separates the temperature where moisture will occur.

***Example conditions: 80° ambient, 60° relative humidity



Cooling compressed air and extracting moisture does 50% of the job, an effective efficient dryer must also reheat the compressed air to further separate the air temperature where moisture will occur!



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Blast Machines



SBM1187: 600 lb
With TLR300 Remote



SBM1178: 300 lb
With TLR100 Remote



SBM21053: 100 lb
With TLR-50A Remote



SBM21051: 50 lb
With TLR-50A Remote

Semi-elliptical head for larger storage of abrasive.

Urethane-coated pop-up valve with external sleeve for long wear life and fast pressurization.

Large 6" x 8" inspection door for easy access to inside.

Heavy-gauge construction pressure vessel fabricated for rugged field service. Built to ASME standards.

Conical 35° bottom ensures total use of abrasive and uninterrupted abrasive flow.

45° abrasive flow into air stream – the natural way to uniformly mix air and abrasive. Eliminates premature wear found in 90° systems. A tough stainless steel plate meters precisely. Clean-out provides access to foreign matter.

Self-cleaning exhaust muffler greatly reduces bleed-off noise.

Pop-up valve umbrella (optional) relieves load pressure, when hopper is in place.

Fast, safe remote controls built for years of dependability.

Heavy-duty piping assembled tightly against tank avoids unnecessary protrusions.

Full-flow stainless steel teflon-sealed ball valve with brass body provides unrestricted air flow.

Flexible pusher line guarantees air flow without pressure loss caused by elbows; and eases valve replacement.

Built to offer years of reliable service.



Blast Rooms

The pre-assembled blast room is built on a rigid structural steel floor, with 3/16" steel walls, and ceiling, and full height, full width work doors. Baffled and screened air inlets, and an integrated high capacity reverse pulse jet automatic cleaning cartridge style dust collector designed to provide 70 feet per minute of cross sectional air velocity. System requires 250 SCFM @ 100 psig of dry clean compressed air.



Blastroom

- 3/16" all welded steel construction
- Baffled exhaust to dust collector
- Screen air inlet plenums
- Fluorescent light fixtures (6 each)
- Safety switch mounted on inlet doors
- Shovel-in hopper reclaim system
- Heavy duty bucket elevator
- Abrasive classifier and cleaner
- Automatic cleaning air pulse cartridge style dust collector
- 2 to 1 air to cloth ratio across filters
- All equipment mounted on heavy duty steel skid

Blast Machine

- ASME code blast machine
- NIOSH approved remote control
- Precise abrasive metering valve
- 1" blast hose assembly with fittings
- 5/16" or 3/8" high production venturi blast nozzle
- Twinline remote control hose with safety operating valve

Operator Safety Equipment

- NIOSH approved blast hood with vortex cooling tube
- Activated charcoal and particulate filter
- Carbon monoxide monitor alarm system
- NIOSH approved breathing hose
- Leather blast gloves
- Extra lens, gaskets, washers

Control Panel

- Prewired control panel 230V or 460V with dust collector, photohelic gauge and timer board
- Safety shut off solenoid located on doors

Optional Accessories

- 1500# capacity portable work cart with track inside room and 8' outside room
- Programmable PLC to monitor system conditions for safety shut down
- Cyclone reclaim equipment



Model: CBR8810

Work Dimensions: 8'w x 8'h x 10'd

Overall Dimensions: 8'6"w x 10'h x 18'd

Model: CBR10822

Work Dimensions: 10'w x 8'h x 22'd

Overall Dimensions: 10'6"w x 10'6"h x 30'd

We also make custom sizes to fit your specifications. Contact us for more information



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Bulk Blast Machines

Clemtex Bulk Blasting Machines are designed for *Maximum Production* and *Minimum Maintenance*. Our *Heavy Duty Construction* provides many years of service life. These units are available in three standard sizes: 60, 120, and 160 cubic foot capacity of blasting abrasive, and may be outfitted for 1 to 4 blasters. Units may be purchased as stationary or portable, with pneumatic (air) or electric NIOSH approved remote controls.



Standard Moisture Extractor



Safe and Easy Pop Up Valve Loading



Safety Operator Control Valves



Precise Metering Valves that May be Adjusted at All Times



Very Reliable and Cost Friendly Operating Valves

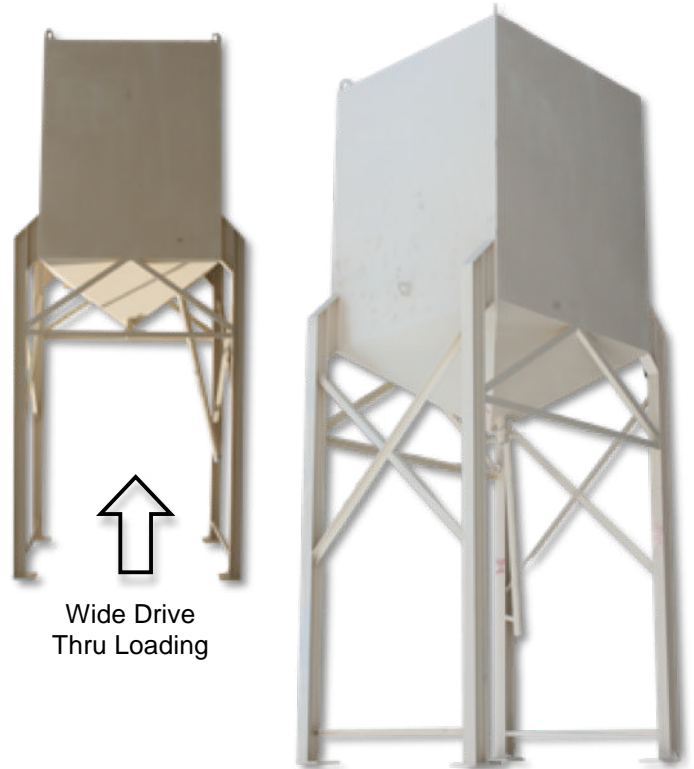


The Most *Cost Efficient* Controls in the Industry



Bulk Abrasive Hopper

- BH-640
- Fully welded with heavy duty internal support, external cross supports and wide flanged leg design
- 9' wide drive thru loading
- 4" filler pipe with coupling is standard
- 4" slide gate valve with gauge pipe
- 4" slide gate valve reserve pipe that hold approximately 7 tons (140 cf) of material in reserve
- 2' x 2' inspection access door on top of hopper
- Heavy duty lifting lugs strategically located on the top corners and side
- Overall dimensions: 10' x 8' x 24'6" high



2' x 2' Access Door



4" Drain Pipe and 4" Reserve Pipe



4" Filler Pipe with Coupling



Couplings and Blast Hose

Couplings

Hose I.D.	Hose O.D.	Model No.		
		Brass	Aluminum	Nylon
1/2"	1-5/32"		QCA00599	
3/4"	1-1/2"	QCB00563	QCA00568	CQP08412
1"	1-7/8"	QCB00564	QCA00569	CQP21711
1-1/4"	2-5/32"	QCB00565	QCA00570	CQP08414
1-1/2"	2-3/8"	QCB00566	QCA00573	CQP07714
1-1/2"	2-3/8"	QCB00567	QCA00574*	

* NOTE: QCA00574 is for 1-1/2" I.D. x 2-3/8" O.D. hose. It will not interconnect with any other quick coupling.

Threaded Quick Couplings

Thread Size	Brass	Aluminum
1/2"		CFA00558
3/4"		CFA00559
1-1/4"	CFB00551	
1-1/2"	CFB00553	CFA00561*
2"	CFB00555	CFA00556
2"		PAC00562*

* NOTE: These are for 1-1/2" I.D. x 2-3/8" O.D. hose. It will not interconnect with any other quick coupling.



Nozzle Holders

Hose Dimensions		Thread Type		
I.D.	O.D.	50mm	1-1/4"	3/4"
Nylon				
3/4"	1-1/2"	NHP04106	HEP07720	
1"	1-7/8"	NHP04127	HEP07721	
1-1/4"	2-5/32"	NHP04128	HEP07722	
Aluminum				
1/2"	1-5/32"			CHE00577
3/4"	1-1/2"		CHE00578	
1"	1-7/8"		CHE00579	
1-1/4"	2-5/32"		CHE00580	
1-1/2"	2-3/8"		CHE00581	

Blast Hose

I.D.	O.D.	Maximum Working Pressure	Weight Per 50'
4 Ply			
3/4"	1-1/2"	125 PSIG	33 lbs.
1"	1-7/8"	125 PSIG	45 lbs.
1-1/4"	2-5/32"	125 PSIG	57 lbs.
1-1/2"	2-3/8"	100 PSIG	64 lbs.
2-Braid			
1/2"	1-5/32"	175 PSIG	23 lbs.
3/4"	1-1/2"	160 PSIG	33 lbs.
1"	1-7/8"	160 PSIG	53 lbs.
1-1/4"	2-5/32"	160 PSIG	63 lbs.
2-Ply SUPA			
1-1/4"	1-7/8"	170 PSIG	35 lbs.





Clemtex Maintenance Unit

CMU-185DP – Diesel Engine, Clemtex Maintenance Unit. We developed this unit in 1965. Since then it has proven itself a leader in the field of abrasive blast cleaning. This unit is completely rigged for efficient, economical abrasive blast cleaning. The unit includes a 300 lb. capacity easy load abrasive machine, remote controls, moisture separator, approved air fed hood, sandblast hose charcoal filter air regulator assembly and lockable tool storage box.

These units are available with 185 cfm air compressors and with 300 or 600 lb. capacity *easy load* abrasive machine.

This quality piece of equipment is perfect for small or medium size jobs requiring fast set-up time and quick job completion.

Versatile use of fine, medium or coarse abrasive provides a wide range of jobs from graffiti removal, masonry cleaning or heavy rust scale removal.

This unit is easily towed to jobsite with truck carrying abrasive. A jack is standard equipment for level independent operation. Loading platform and lo-pot makes abrasive loading quick and easy.

No competitor can match the *Clemtex Maintenance Unit* for efficient and economical abrasive blast cleaning!!! Let us demonstrate or build one for you.



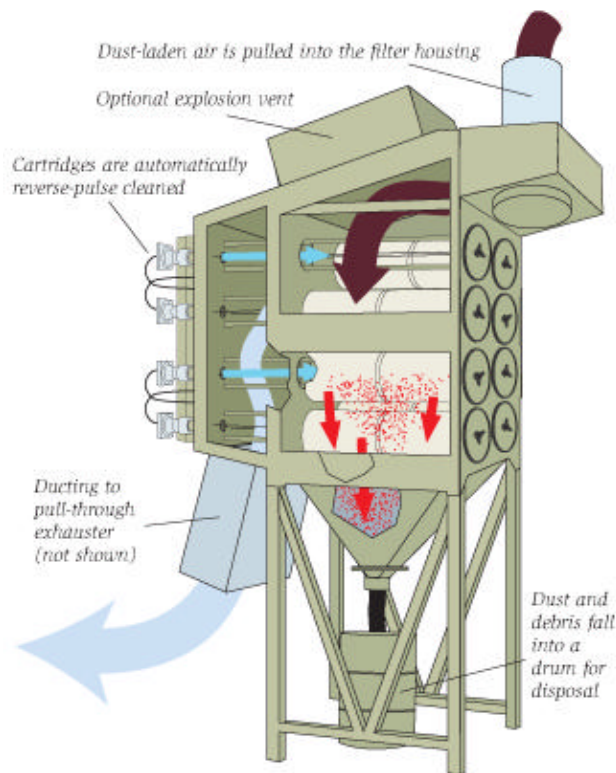


CLEMTEX

Houston Office
248 McCarty Dr.
P.O. Box 15214
Houston, TX 77220-5214
(713) 672-8251
Fax (713) 672-6336

Dust Collectors

Clemtex distributes high performance dust collectors that are built for continuous operation. These units are very efficient reverse pulse jet style dust collectors used to provide ventilation for all sizes of industrial blast facilities. Units are easy to install, operate, and maintain. These dust collectors ventilate blast rooms and enclosures, providing specific air changes for blaster visibility. Collectors are designed depending upon the application and the blast media to be used. Please contact our sales engineers for technical information.





Internal Diameter Blast Tools

We have tools for just about any size pipe. The Clemtex line of I.D. blasting tools can cover a range of pipe I.D. from 3/4" and up. We also can do special applications. Please call or email us for more information.

Heavy Duty Spinblast Tool

SB-636-B

Ideal for I.D. pipe greater than 14"



Spinblast Tool

SB-636-A

Ideal for I.D. pipe 8" to 36"



Holloblast Tool

HBS01076

Ideal for I.D. pipe greater than 2"-12"

Shown with multiple size centering carriages



Holloblast Junior

HBJ01098

Ideal for I.D. pipe greater than 3/4"-2"

Shown with multiple size centering nuts





Hoods and Respiratory Supply Equipment

Clemco (Red Hood)



Clemco Apollo 60 HP – Part No. APL10505

The Apollo 60 HP is a type CE, continuous-flow, supplied-air respirator as defined by the National Institute for Occupational Safety and Health (NIOSH) for abrasive blasting to be use with a respirable compressed air source. The Apollo 60 HP is designed for use with compressed air. It meets OSHA standards for respiratory protection and air noise limitations. The Apollo 60's full-helmet design protects the blast operator's head from rebounding abrasive and from job-site impact hazards.

Part	Part No.	Description
A	CPF03578	Air Line Filter
B	CAT04411	Hot-Cold Tube
C	CAT04410	Cool Air Tube
D	APL04415	Breathing air supply Hose
E1	APL04373	Outer Lens
E2	APL04361	Tear Off Lens
F1	APL04367	Inner Lens
F2	APL04372	Cover Lens
G	CMS22894	Carbon Monoxide Monitor





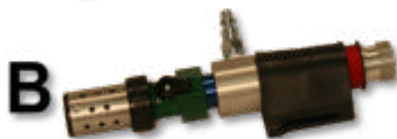
Bullard (Yellow Hood)



Bullard 88VX – Part No. 88VX3230

The latest generation of 88 Series supplied air respirators continues to offer industry leading comfort, reliability, and superior respiratory protection for abrasive blasters and painters. The latest engineering advancements include enhanced durability, fit, and security of protection. OSHA acknowledges an Assigned Protection Factor of 1,000 for Bullard’s 88VX Respirator under the OSHA Lead in Construction standard.

Part	Part No.	Description
A	41P2	Air Line Filter
B	HC2400	Hot-Cold Tube
C	AC1000	Air Conditioner
D	5457	Breathing air supply Hose
E1	771B	Inner Lens – 0.040" thick
E2	771	Outer Lens – 0.040" thick
E3	771A	Outer Lens – 0.020" thick
F	771R	Outer Lens – 0.015" thick
G	88VXLC	Tear Away Lens
H	COHP	Carbon Monoxide Monitor





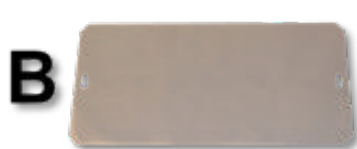
RPB/Nova (Green Hood)



RPB Nova 2000 – Part No. NV2000

The Nova 2000 has been designed for blasting professionals. It has been approved to Respiratory Protection standards worldwide, including NIOSH, CE, and AS/NZS. On top of being approved to Respiratory Protection Standards, the NOVA 2000 also provides an Assigned Protection Factor of APF1000, actual independent laboratory test reports show the NOVA 2000 far exceeds this requirement.

Part	Part No.	Description
A	RPB04900	Air Line Filter
B1	NV2031015	Outer Lens (50 pkg)
B2	NV2031020	Outer Lens (50 pkg)
B3	NV2018	Inner Lens (10 pkg)
B4	NV2017	Tear Off Lens (50 pkg)
C	NV2029	Breathing air supply hose
D	NV4000-02	Hot Air Tube
E	NV4000-01	Cold Air Tube
F	RPB08200	Carbon Monoxide Monitor





Nozzles

Short Barrel Nozzles

Used for blast applications where the operator must work within 12 inches of the surface.

One Inch Entry

Thread: 1¼" Straight Thread

Jacket: Kirksite

Liner: Tungsten Carbide

Length: 3¼"

Nozzle	Orifice Size	Part Number
No. 3	3/16"	CJD01378
No. 4	1/4"	CJD01379
No. 5	5/16"	CJD01380
No. 6	3/8"	CJD01381
No. 7	7/16"	CJD01382
No. 8	1/2"	CJD01383



Long Barrel Nozzles

Used for high production jobs where the operator can blast more than 12" from the surface.

One Inch Entry

Thread: 1¼" Straight Thread

Jacket: Kirksite

Liner : Tungsten Carbide

Nozzle	Orifice Size	Length	Part Number
No. 3	3/16"	4"	CSD01384
No. 4	1/4"	5-1/4"	CSD01385
No. 5	5/16"	5-5/8"	CSD01386
No. 6	3/8"	6-1/2"	CSD01387
No. 7	7/16"	7-3/4"	CSD01388
No. 8	1/2"	8-13/16"	CSD01389



CT style

A Tungsten Carbide Lined straight bore nozzle for use with small suction gun or blast cabinets. These are also used with model 1028 and 1042 Blast Machines.

Nozzle	Orifice Size	Part Number
No. 2	1/8"	CTO01351
No. 3	3/16"	CTO01352
No. 4	1/4"	CTO01353
No. 5	5/16"	CTO01354
No. 6	3/8"	CTO01355
No. 8	1/2"	CTO01356



CAM style

An angled nozzle designed to blast blind surfaces such as mold cavities or behind beams. They are Tungsten Carbide lined, and available in one or three outlets.

Nozzle	Orifice Size	Orifice Holes	Part Number
No. 4	1/4"	1	CAM01442
		3	CAM01444
No. 5	5/16"	1	CAM01445
		3	CAM01447
No. 6	3/8"	1	CAM01448
		3	CAM01450





Painting Equipment Airless Pumps and Accessories



Xtreme Sprayers with NXT Technology

Graco Xtreme NXT high-pressure air-operated airless sprayers provide long-lasting durability that boosts your productivity. Designed with Graco's new NXT Air Motor, the Xtreme NXT is proven to outperform and outlast all other sprayers in its class. It easily handles the toughest protective coatings and corrosion control materials.



Monark 23:1, President 30:1 and 46:1

Choose one of Graco's ready-to-use spray packages in a variety of mounting configurations to meet all your airless or air-assisted applications. Call us for more information.



Premier 34:1, 45:1 and 74:1

Forget about performance fall-off or stoppage due to ice build-up. The patented Premier air motor and built-in air pump moves warm air across the four-way air valve outlet to reduce ice build-up. Even with dirty non-lubricated air, you'll get continuous operation with Premier's reliable four-way slide valve. When the job requires high pressure for tough fluid materials, Graco's Premier pump delivers the performance you need. Call us for more information.



1:1 Fast-Flo

The 1:1 Fast Flo is perfect for lower viscosity fluids with plate (flat) check options. Call us for more information.



Husky 1040

This 1-inch diaphragm pump is equipped with an effective and reliable air valve system. Available in aluminum, stainless steel, acetal, polypropylene and PVDF. Call us for more information.



President 10:1

The 10:1 President offers a divorced air motor design to eliminate fluid and fume contamination -- reducing maintenance. Call us for more information.



Xtreme-Duty Hose

Xtreme-Duty airless high pressure hose is designed to withstand the rigors of high pressure spraying. Its durable design meets exacting standards -- ultimately reducing downtime due to hose failure.



XHD RAC SwitchTip

Designed for spraying high-solids coatings at high pressures. With its Reverse-A-Clean (RAC) Tip, it's easy to clear clogs. The Switch Tip design lets you change tip sizes in seconds -- without removing the tip guard and housing.



Booths and Ovens

Clemtex is an authorized distributor for Global Finishing Solutions. Global Finishing Solutions is the world's leading manufacturer of paint booths and finishing systems for industrial coating and finishing, automotive body shops, aerospace finishing, and truck and large equipment finishing.

Advanced spray booth technology and decades of experience as the premiere paint booth manufacturer make us the foremost authority in spray booth finishing environments. Global Finishing Solutions enjoys strong relationships with pain manufacturers as well as exclusive body shop spray booth supplier status in all major car manufacturers' shop equipment programs. Global Finishing Solutions is a GSA approved supplier of aviation paint booths for the United States Government.



Universal Open-Face & Fast-Pak Express Booths



Powder Booths: Non-Recovery and Cartridge Booths



Batch Burn-Off: Fast, Cost-Effective and Polluting-Free



Batch Process: Dependable heating for a variety of tasks



Paint Mixing Rooms: Contaminant-Free Mix Environment



High Production Sanding Booth: High Efficiency Particle Removal



Guns

These are our most popular spray guns for industrial coating and most widely stocked at all three Clemtex branches. We also offer other models by Devilbiss, Binks, and Graco. Please call us for pricing and more information.

Conventional Guns



Devilbiss MBC-510: Manual Spray Gun with Removable Head

Combining a drop forged aluminum body with a forged removable spray head, the MBC-510 spray gun is ideal for applications that require maximum output and quick changeovers.

Gun Repair Kit: **KK-4058-1**



Devilbiss JGA-510: Standard-Size Manual Spray Gun

The JGA standard-size manual spray gun sets industry standards for high-production performance. Offers the comfortable fit and feel operators prefer. An Economical option for waterborne and solvent-based material applications, the JGA stainless steel air spray gun delivers the quality results you need for tough applications.

Gun Repair Kit: **KK-4987-2**



Binks 2100

NEW from BINKS, The next generation in conventional spray guns, the 2100 Series. Corrosion resistant SS fluid passages, Ergonomic handle, with new MAXIMUM DELIVERY air nozzles. With the largest selection of air and fluid nozzles in the industry behind it, the Model 2100 will spray all conventional coatings, including high solids.



Devilbiss EGHV531

The EGA-503 is an external mix, touch-up gun. The gun has a long needle taper making detail work easy. The forefinger trigger gives added control for delicate application. Can be used for touch-up, shading, edging or any type of precision painting. Use as either suction or pressure feed application.

Gun Repair Kit: **KK-5044**



Binks 115

The Model 115 is a small, lightweight precision touch-up spray gun for fine finishes. It is easy to use and ideal of touch-up shading and spotting jobs and features a one-piece drop forged aluminum body with a brass fluid passage insert. The Model 115's overhead trigger is curved to fit the operator's index finger. It has a self-adjusting brass air nozzle allowing for adjustable spray patterns.

Gun Repair Kit: **6-222**



Binks 95A

The Model 95A is a conventional spray gun that is pneumatically activated for applications with reciprocating, rotary, spindle machines and in stationary spray gun set ups. It is exceptionally rugged and is designed to stand up under hard, continuous use. 60 Series air and fluid nozzles are used in this spray gun. These nozzles provide spray patterns from a one-inch spot to a wide fan with uniform coverage. All the fluid contact surfaces within the spray gun, including inlet, nozzle and needle, are constructed of stainless steel for use with waterborne as well as conventional coatings.



Binks SV25

This gun is designed for spraying a variety of materials and is ideal for working with small compressors in workshops, homes, farms, schools, etc.

Gun is bleeder type, for use only with a pressure feed metal cup directly attached to it using and air pressure NOT OVER 40 PSI.



HVLP Guns



Binks SV100: Manual Spray Gun with Removable Head

Pressure feed, air pressure recommended is 10-14 CFM/20-27 PSI, includes 1.1mm & 1.4mm tips



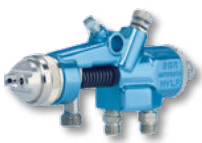
Binks Mach 1

The MACH 1 is a full size HVLP spray gun with special nozzles and modifications that allow it to operate high transfer efficiencies in compliance with the California South Coast Air Quality Management (SCAQMD) regulations as a high volume low pressure (HVLP) air spray gun. Constructed of a lightweight drop-forged aluminum body and stainless steel fluid passages, including long life self-adjusting packings, this spray gun is designed to stand up under hard, continuous use. It operates like a conventional spray system utilizing compressed shop air.



Binks Mach 1SL

The MACH 1SL HVLP is a lightweight, top quality, high performance spray gun. The superbly balanced forged aluminum body is ergonomically designed with a compact grip size, offering the operator extra comfort and control. All of the spray gun's components are machined and finished to exacting tolerances using only the highest quality materials, including long life self-adjusting packings to ensure years of peak efficiency.



Binks Mach 1A

Incorporating some of the best features our award winning MACH 1 HVLP spray gun, the MACH 1A Automatic offers total control of atomizing air pressure, side port air, fluid flow, and spray patterns in production settings which require automatic equipment. These features give it an exceptionally high degree of atomizing capability with a wide range of coatings. This spray gun provides transfer efficiency in compliance with all regulations for air quality as an HVLP air spray gun and meets SCAQMD Rules for HVLP.

Airless Guns



Graco Silver Plus

Graco's Silver Plus Gun is known for its durability, spraying performance, and long life. This gun is designed for large applications.



Graco XTR-5 and XTR-7

Rugged, high pressure, airless guns designed for operator comfort, flexibility and performance. Graco's XTR airless guns were built especially for high-pressure output when spraying high solids coatings and paints. Updated features include two handle designs offering an oval-insulated or round handle, EasyGlide swivel for better hose and gun movement under high pressure, and an Easy Out gun filter which reduces tip plugging.



Paint Tanks and Accessories



PT ASME Zinc Plated Lid/Shell

Zinc plated lid and all wetted parts in lid assembly and tank shell. Single Reg. No Agit. 83C-210 Double Reg. No Agit. 83C-220 Single Reg. Std Agit. 83C-211 Double Reg. Std Agit. 83C-221 83c221 shown



5 Gallon Galvanized

Galvanized lid and tank shell. Disposable liner kits are also available for pressure tanks. Single Reg.-No Agit. 83G-510 Double Reg.-No Agit. 83G-520 Single Reg.-Std. Agit. 83G-513 (I) Double Reg.-Std. Agit. 83G-523 (I) Single Reg.-Opt Agit. 83G-516(R)



5/16" id Bulk Air Hose

Premium air hose on 500 foot reels. Part Number: 71-11000



Bulk Fluid Hose

On 500 foot reels. 71-280: 1/4" id, 71-282: 3/8" id.



Hose Fittings

See sizing chart.

72-1303	1/4" hose x 1/4" nps swivel
72-1306	1/4" hose x 3/8" nps swivel
72-1317	5/16" hose x 1/4" nps swivel
72-1320	5/16" hose x 3/8" nps swivel
72-1325	3/8" hose x 1/4" nps swivel
72-1328	3/8" hose x 3/8" nps swivel
72-1333	1/2" hose x 3/8" nps swivel
72-1334	1/2" hose x 1/2" nps swivel



Air Regulator

Air regulator with 1 air inlet port, 2 regulated air outlets and 1 mainline air bypass port. Part Number: 85-215



HVLP, Airless, Specialty gun extension

HVLP, Airless and Specialty gun extensions are available for all Binks spray guns.



Conventional Gun Extension

Conventional gun extensions are available for all Binks spray guns.



1 Qt. Drip Proof Cup

One Quart drip proof cup - clamp type - with a extra vent tube. Part Number: 81-800.

1 Qt. Drip Proof Cup w/ Easy-Clean Interior

One Quart Drip Proof cup features a exclusive non-stick coating inside the cup that wipes clean in seconds. Fits Binks Model 7, 95, 2001 and other similar spray guns. Part Number: 81-810



2 Qt. Pressure Cup

2 quart steadi-grip aluminum pressure cup with fluid pressure regulator and gauge, and hook handle. Part Number: 80-295



SG2 Plus 2 Quart cup

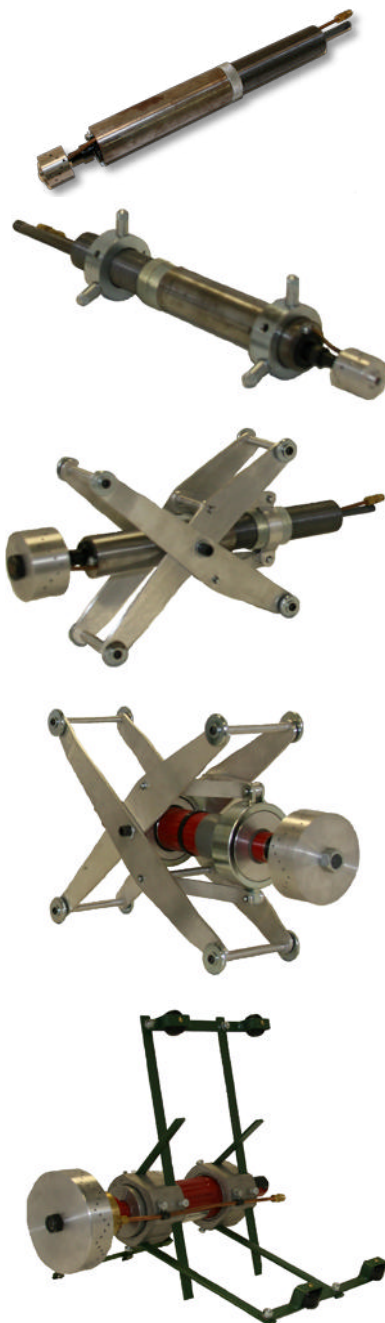
SG-2 Plus Steadi-Grip two quart pressure cup. Ideal for small batch processing. Two quart cup is lightweight and rugged and provides excellent portability. Two types of agitated cups are available. Part Number: 80-601 and 80-651



Internal Diameter Coating Equipment

Clemtex Heavy Duty Spray Coaters are designed to apply internal coatings and linings to pipe. These tools have a pneumatic driven spray head that will spray most all coatings from the thinnest to the most viscous. The coating to be applied is fed to the spray head through a fluid manifold for maximum material disbursement. All tools include pipe-centering carriages. These tools will spray the internal diameter of pipe from 3" to 36". We also do other special applications. Please call or email us for more information.

These Coating Tools are generally fed paint by a pressure paint tank or an airless spray pump. Consult Clemtex for the appropriate delivery system for your specific coating to assure an even and consistent dry film thickness throughout the pipe. All Internal Coating Tools are in stock and ready for immediate shipment.



HDCBX-360-112

Spray Coater with a 1.5" Head
Ideal for a 2"-5" I.D. pipe

HDCBX-360-2

Spray Coater with a 1.5" Head
Ideal for a 2"-5" I.D. pipe

HDCBX-360-3

Spray Coater with a 3" Head
Ideal for a 5"-12" I.D. pipe

HDCBX-360-4

Spray Coater with a 4" Head
Ideal for a 8"-17" I.D. pipe

HDCBX-360-6

Spray Coater with a 6" Head
Ideal for a 12"-36" I.D. pipe



Personal Protective Equipment



Visitor Spectacle

Lightweight Molded Plastic, Can use of regular glasses, Part Number: SGCLR



Safety Eyewear, Frosted, In/Outdoor Lens

Safety Eyewear, Frame Color Frosted, Lens Color Indoor/Outdoor, Lens Material Polycarbonate, Lens Style Wrap Around, Temples Bayonet, 99.9% UV Protection, Meets/Exceeds ANSI Z87.1+ Standard, Part Number: SGOG



Safety Eyewear, Scratch Resist, Gray Lens

Safety Eyewear, Visitor Spectacle, Frame Color Frosted, Lens Color Gray, Lens Material Polycarbonate, Lens Coating Scratch Resistant, Lens Style Wrap Around, Temples Spatula, 99.9% UV Protection, Meets/Exceeds ANSI Z87.1+ Standard, Part Number: SGGRY



Coverall, X Large, Pk25

Coverall, Zipper Front, Size XLarge, Color White, Garment Style Serged Seam, Elastic Wrists and Ankles, 99% High Density Polyethylene Material, Unique Flash Spun Fabric Offers Particle Barrier, Water Repellency, Breathable, Soft and Lightweight, Blocks 99.9 Percent Of All Dry Particulates Down To 0.5 Micron In Size, Offers Splash Protection Against Many Liquids, Standard USDA, FDA, Meets OSHA, Package 25, Part Number: TC95L



Glove, Knit, Large, Pr

String Knit Glove, Economy, Size Large, Material Polyester/Cotton, PVC Dotted, Color White/Black, Reversible, Provides Sure Gripping Ability and Excellent Abrasion Resistance, Pair, Part Number: CPG



Leather Gloves

Luxury, Double Palmed Leather Gloves, Pair, Part Number: RPB0771



Blast Suits

Clemco, Red, Light Weight, Sizes M-XXL, Part Number: CBS22915

Clemco, Red, Heavy Duty, Sizes M-XXL, Part Number: CBS08922

Clemtex, Canvas, Tan, Part Number: CBSXL95



Clemtex Blast Light Assembly

Part Number: CL-1



Safe Systems Blast Light Assembly

Part Number: 69125006



Blast Light Replacement Parts

Bulb: CL-2, Lens: 3109, 110VAC to 12VAC Transformer: CLT-1, 50' Electric Cord: CEW-50, 100' Electric Cord: CEW-100, Male Connection: CEW-MC, Female Connection: CEW-FC



Testing Equipment Blasting Test Equipment

Equipment Efficiency:



NPG-100: Needle Pressure Gauge



PBAG: Pressure Blast Analyzer Gauge

Measuring Anchor Profile:



7326: Testex Micrometer

7326-BT: Burnishing Tool

7326-CM: Tape <2.0 Mils

7326-P: Tape 1.3-3.3 Mils

7326-C: Tape 0.8-2.0 Mils

7326-XC: Tape 1.5-4.5 Mils

7326-XCP: Tape >3.0 Mils



CAPS: Clemtex Anchor Pattern Standards



PosiTector UTG: Wall Thickness Gauge - Measures the wall thickness of materials such as steel, plastic and more using ultrasonic technology. Ideal for measuring the effects of corrosion or erosion on tanks, pipes or any structure where access is limited to one side. Multiple echo (ME) Thru-Paint models measure the metal thickness of a painted structure without having to remove the coating.



372: 5x Magnifier with Light



SCAT: Surface Contamination Kit



SSPC-VIS: SSPC Reference Book



Coating Test Equipment

Atmospheric Testing:



12-7012: Sling Psychrometer

Accurately determines percent relative humidity without the necessity of consulting complex tables



DIGPSY: Digital Psychrometer

Accurately determines percent relative humidity without the necessity of consulting complex tables



DPM: Dew Point Meter

Measures and records climatic parameters including: Relative humidity, air temperature, surface temperature, dew point temperature and difference between surface and dew point temperatures.



WB-235: Psychrometric Tables

U.S. Department of Commerce. Vapor Pressure, Relative Humidity, and Temperature of the Dew Point.



Surface Thermometer

315F: 0-150°F

313F: 0-250°F

312F: 0-500°F

Thickness Gauges:



DFT: PosiTest DFT

Measures thickness of coatings on ALL metals. It is the economical choice that retains the uncompromising quality of DeFelsko coating thickness and inspection instruments.



6000FI: PosiTector 6000

Rugged, fully electronic coating thickness gauges use magnetic and eddy current principles to measure coating thickness on both ferrous and non-ferrous metals, accurately and quickly.



MikroTest/PosiTest Gauges

DFG-300: MikroTest 0-40 Mils

DFG-500: PosiTest 0-80 Mils

DFG-900: MikroTest Automatic 0-40 Mils



CLEMTEX

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(713) 672-8251
Fax (713) 672-6336



MiniTest 700

Non-destructive measurement of: non-magnetic coatings, e.g. paint, enamel, chrome on steel, insulating coatings, e.g. paint and anodizing coatings on non-ferrous metals.



eXacto

Non-destructive measurement of: non-magnetic coatings, e.g. paint, enamel, chrome on steel, insulating coatings, e.g. paint and anodizing coatings on non-ferrous metals.



Wet Film Gauge

WFG-100: 0.5-20 Mils
WFG-100B: 4-60 Mils



S-1362: Coating Thickness Standards



DeFelsko Coating Thickness Standards

Certified thickness standards are ideal for checking calibration and operation of coating thickness gages and are an important component in fulfilling both ISO and in-house quality control requirements. All standards described below are supplied with a certificate of calibration showing traceability to NIST/NPL.



DeFelsko Certified Plastic Shims

For use with magnetic, eddy-current and ultrasonic coating thickness gages. (Not intended for use with magnetic pull-off type gages).



DeFelsko Non-Certified Plastic Shims

For use with magnetic, eddy-current and ultrasonic coating thickness gages. (Not intended for use with magnetic pull-off type gages).



Other Coating Test Equipment:



Positest AT: Manual Adhesion Tester

Positest AT-A: Automatic Adhesion Tester

Measures adhesion of coatings to metal, wood, concrete and other rigid substrates. Revolutionary self-alignment feature and pull rate indicator. Conforms to national and international standards including ASTM D4541/D7234, ISO 4624/16276-1, AS/NZS 1580.408.5 and others



M1: Holiday Detector

Device for locating bare spots (holidays) in thin protective films which are sprayed or brushed on metal or concrete surfaces.



Visit us online at **www.clemtex.com!**

Clemtex.com - Sandblasting, Abrasive Blasting, ...plies. Houston, Dallas, Corpus Christi, Texas.

http://clemtex.com/Home.html

CLEMTEX Corrosion Control Equipment and Supplies

Home Abrasives Blasting Painting Testing Rentals Tech Info Request a Quote Contact Us

COMPLETE * DEPENDABLE * KNOWLEDGEABLE
PROVIDING EQUIPMENT FOR INDUSTRY

Welcome to Clemtex.com

We stock a full line of abrasives, blasting equipment, painting equipment, and testing equipment for all types of jobs no matter the size. Here at Clemtex, we pride ourselves in our 50+ years of experience and knowledge coupled with supplying the most dependable, quality orientated brands and products. Our main office is in Houston, TX, and we also have branches in Dallas and Corpus Christi. Call or email us if you have any questions.

[¿Hablas Español? haga clic aqui.](#)

Office Hours:
Monday - Friday
7:30am - 5:00pm
Email Us
1-800-CLEMTEX

Are you Competitive & Efficient?
[Click here to see the 10 Essential Components to Succeed in Today's Economy](#)

Degrees of Blast Cleanliness
[Click here for visuals and definitions](#)

Site Map Request a Quote Contact Us

"We stock the most complete line of Corrosion Control Equipment and Supplies in the Southwest."

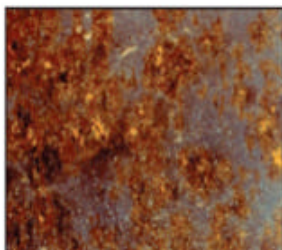
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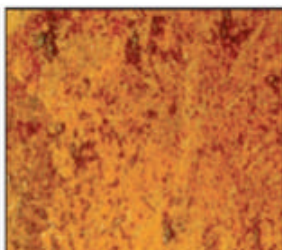
CLEMTEX

Degrees of Blast Cleanliness

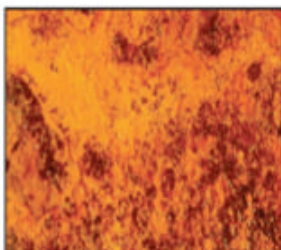
Grade A



Grade B



Grade C



Condition of Steel

Grade A – Steel where mill scale has started to flake and light rusting occurs

Grade B – Steel where all mill scale has flaked off and complete rusting has taken place

Grade C – Steel where pitting and complete rusting has occurred

Brush Off Blast

Definition: A Brush-Off Blast Cleaned Surface Finish is defined as one from which all oil, grease, dirt, rust scale, loose mill scale, loose rust and loose paint or coatings are removed completely but tight mill scale and tightly adhered rust, paint and coatings are permitted to remain provided that all mill scale and rust have been exposed to the abrasive blast pattern sufficiently to expose numerous flecks of the underlying metal fairly uniformly distributed over the entire surface.

NACE – 4 SSPC-SP-7 SA - 1

Commercial Blast

Definition: A Commercial Blast Cleaned Surface Finish is defined as one from which all oil, grease, dirt, rust scale and foreign matter have been completely removed from the surface and all rust, mill scale and old paint have been completely removed except for slight shadows, streaks, or discolorations caused by rust stain, mill scale oxides or slight, tight residues of paint or coating that may remain; if the surface is pitted, slight residues of rust or paint may be found in the bottom of pits; at least two-thirds of each square inch of surface area shall be free of all visible residues and the remainder shall be limited to the light discoloration, slight staining or tight residues mentioned above. **NACE – 3 SSPC-SP-6 SA - 2**

Near White Metal Blast

Definition: A Near-White Blast Cleaned Surface Finish is defined as one from which all oil, grease, dirt, mill scale, rust, corrosion products, oxides, paint or other foreign matter have been completely removed from the surface except for very light shadows, very slight streaks or slight discolorations caused by rust stain, mill scale oxides, or light, tight residues of paint or coating that may remain. At least 95 percent of each square inch of surface area shall be free of all visible residues, and the remainder shall be limited to the light discoloration mentioned above.

NACE -2 SSPC-SP-10 SA – 2 ½

White Metal Blast

Definition: A White Metal Blast Cleaned Surface Finish is defined as a surface with a gray-white, uniform metallic color, slightly roughened to form a suitable anchor pattern for coatings. The surface, when viewed without magnification, shall be free of all oil, grease, dirt, visible mill scale, rust, corrosion products, oxides, paint, or any other foreign matter.

NACE – 1 SSPC-SP-5 SA - 3

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