PMB SERIES
MOD·U·BLAST

PLASTIC / LIGHT MEDIA PRESSURE CABINETS



MOD-U-BLAST®

POWERED BY ALLREDI™

Literature #PMB2511
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PLASTIC / LIGHT MEDIA
PRESSURE CABINETS



ALLREDI™

/// PMB-SERIES PERFORMANCE AND STANDARD FEATURES

PMB Series machines are designed to work best with recyclable blast medias which have a bulk density not higher than 75 such as plastic media, corn cob, and walnut shells.

NOTE: Some blast medias should be pretreated with an anti-static agent to avoid inner system build up.



SAFETY GLASS WINDOW
Quick change safety glass window with replaceable protector and trim-lok window seal.

ADDITIONAL FEATURES
- Adjustable air intakes for clear visibility
- Safety door shut-offs
- Cabinets are 100% modular and fully upgradable
- High pure gum content abrasive blast hose



METERING / REMOTE SYSTEM
• 0.7 Cu. Ft. or 1 Cu. Ft. pressure pot
• Pneumatically vibrated M-valve for improved flow of light abrasive • Auto air valve • Exhaust valve • Safety relief valve





PNEUMATIC FOOT PEDAL



LIGHTING SYSTEM
Mod-U-Blast's external LED lighting system features 2 - 24" tubes in cabinets that are less than 48" in depth, and a dual-fixture system with 4-24" tubes in cabinets 48" or larger in depth.



CONSTRUCTION
- 14 gauge one piece steel construction
- Powder Coated white interior cabinet and hammertone grey exterior for durability. Mod-U-Blast® uses overlapping positive tension doors with adjustable hand latch system



MOISTURE SEPARATOR, REGULATOR & GAUGE CONTROL PANEL



STANDARD WORKING CHAMBER DIMENSIONS (W" X D" X H")

- 36"W x 36"D x 40"H
- 48"W x 36"D x 40"H
- 48"W x 48"D x 40"H
- 60"W x 36"D x 40"H
- 60"W x 48"D x 40"H

• Custom sizes and multiple work stations are available

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ELECTRICAL REQUIREMENTS

CFM	HORSE POWER	PHASE / AMPS REQUIRED
300	1/2 H.P.	1-Phase / 7 Amps
600	1 H.P.	1-Phase / 14 Amps
900	2 H.P.	1-Phase / 20 Amps
1200	5 H.P.	3-Phase / customer specified

AIR REQUIREMENTS

NOZZLE	BORE SIZE	CFM@60PSI
2	1/8”	13
3 (standard)	3/16”	30
4	1/4”	55
5	5/16”	90
6	3/8”	125

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/// ADVANCED RECLAIM SYSTEM

Mod-U-Blast® PMB-Series machines are engineered to efficiently recycle lightweight abrasives. Our 3-stage PMB adjustable reclaimer accomplishes this task.

STAGE 1: DUST SEPARATION
Centrifugal force keeps the heavier particles to the outside wall of the cyclone. Our large intake pipe draws dust and lighter, broken down media from the cyclone center at a lower speed to ensure that reusable media is not discarded prematurely. Dust is then exhausted to the collector.

STAGE 2: OVERSIZED PARTICLE REMOVAL
By pneumatically vibrating the perforated trash screen, only particles of smaller size (reusable abrasive, metallic debris) can reach stage 3.

STAGE 3: FERROUS PARTICLE REMOVAL
All material that passes stage 1 and 2 must pass through a magnetic field where any ferrous particles are trapped. This eliminates possible damage to the substrate being blasted. The magnetic particle separator grill can easily be removed for discarding of collected particles.



Reclaimers 900 CFM and above are mounted on a stand

/// DUST COLLECTION

MULTI-BAG DRY FILTER CABINETS

- Mod-U-Blast® multi-bag dust filter cabinets incorporate either 15, 25, 40 or 50 (300, 600, 900 and 1200 CFM) cotton sock type filter bags which are tightly mounted into steel housings (top and bottom). Clean air is returned to the outside of the louvered panel door and dust and dirt are contained in bottom.
- Manual Shaker is used to clean dust socks at intervals. Air volume damper control is also standard on all Mod-U-Blast® filter cabinets. Also available as upgrade kit for machines with dust bag only. Recommended for more frequent use, high production.
- Dust is collected either in a drawer or a hopper with clean-out hatch. The hopper style is recommended and standard configuration unless there is a height restriction. If you require low-profile, the drawer style is available.



600 CFM model (hopper style)

600 CFM model (low profile)

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REVERSE PULSE

REVERSE PULSE CARTRIDGE DUST COLLECTION

- Mod-U-Blast® reverse pulse cartridge dual collectors are available from 300 CFM to 12000 CFM. They provide optimum clean air environments for blast cabinets, booths and blast rooms. Reverse pulse collectors feature efficiency 280 pleated filter cartridges.
- All models come standard with auto-pulse controls. Hopper Discharge is standard with all reverse pulse collectors.
- Low profile models also available.



600 CFM model

/// PMB-SERIES CABINET OPTIONS

Upgrade kits and options are also available to increase the production, efficiency and wear ability of Mod-U-Blast® blast cabinets and are listed below:

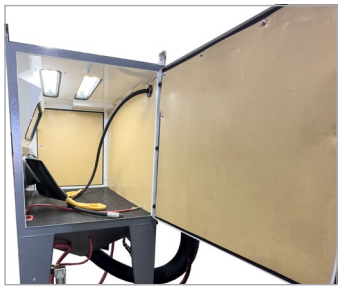
TURNTABLES & TRACK SYSTEMS



*Custom sizing available.

Available with inside and/or outside track assembly or as set-in turntable only. Standard turntables hold up to 700 lbs, custom turntables hold up to 2000 lbs. Mod-U-Blast® turntable systems will increase worker convenience, comfort and productivity while decreasing glove wear, hand injuries and overall operator fatigue. Ideal for blast cleaning larger, heavier components. May be furnished for one (1) or both (2) sides of the blast cabinet.

WEAR KITS



Wear kits are available for all machine sizes. This option is recommended when harsh blast media is being used, eg: aluminum oxide. A cabinet wear kit will extend the life of any machine regardless of the media being used. Each wear kit includes: 1/16” Natural gum draping on sides and back of cabinet, H.D. rubber lined return hose, and tungsten carbide blast nozzle.

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/// PMB-SERIES CABINET OPTIONS

PASS THROUGH KITS



Custom pass through kits available for new or existing cabinets.

ROLLING CARTS



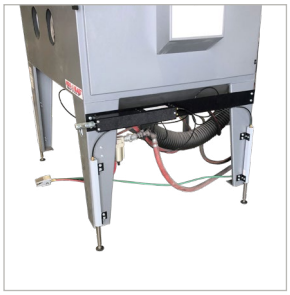
Save time and discomfort blasting pipe with Mod-U-Blast® pipe rolling carts.

HEPA RETURN FILTER



Available with all reverse pulse Cartridge dust collector models. 99.99% particulate removal efficiency.

CABINET LIFT KIT (0 TO 12")



Decrease operator fatigue with a cabinet lift kit. Hydraulic rams will be mounted on the inside of the legs on new units.

CUSTOM PMB BLAST CABINETS - ENGINEERED FOR YOUR APPLICATION

Increase your blasting production with an advanced custom engineered blast cabinet solution. Allredi is a leading manufacturer with decades of experience optimizing blasting processes.



PMB12648-16C-S

Custom PMB series blast cabinet c/w 3 work stations, two nozzles, two vertical doors, and custom turntable/track system



PMB9648-12C-S

Custom PMB series blast cabinet c/w 4 work stations and custom workcart/track assembly

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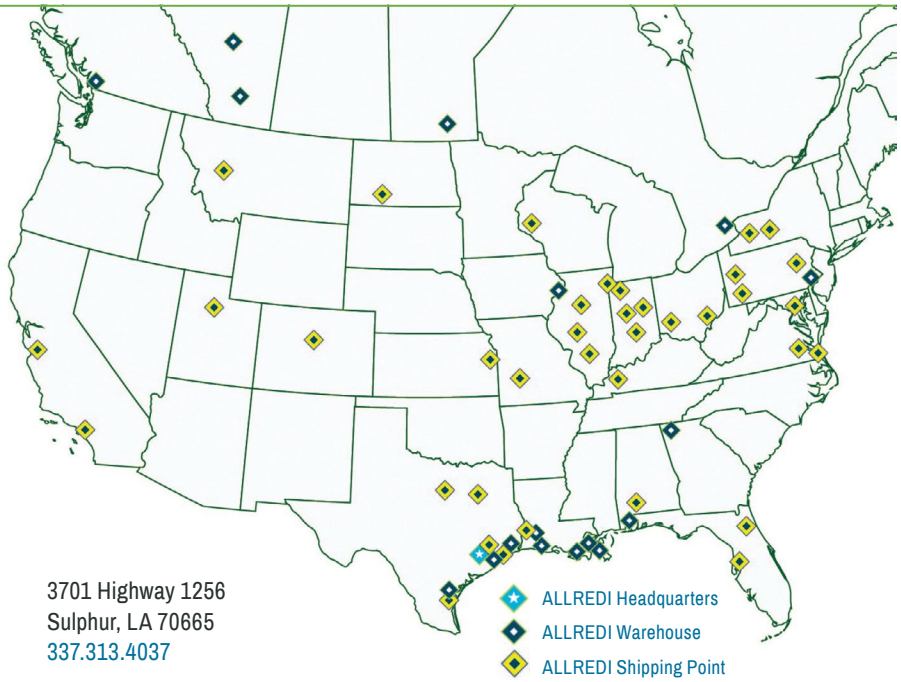
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THE ALLREDI DIFFERENCE

We're committed to improving the lives of industrial professionals. Our products are designed with your needs in mind, and we value your feedback every step of the way.



ABRASIVES / BLASTING / COATING / DUST COLLECTION / ENVIRONMENTAL / RENTAL & SERVICE / SAFETY / VACUUMS