

# ProFormer™ Blast Cabinets

- Consolidate all Systems in One Enclosure
- Move Easily between Work Areas
- Hook Up with Only Two Connections

**Easily Transportable Enclosure** contains all systems (see back), including blast, media reclamation and dust collection.

**4652 Model Shown**



**Minihelic Gauge** shows the pressure differential across filtration surfaces, prompting the operator to pulse-clean dust-collector cartridges.

**Kleensweep™** directs airflow across window for improved visibility.

**Ergonomic Glove Rings** include armrests for operator comfort.

**Safety Switch** prevents accidental blasting when doors are open; complies with OSHA.

**Media-Load Station** inside cabinet door (see back) simplifies replenishment of abrasives.

**Movable, Foot-Treadle Control** permits easy access for forklift transport.

Empire ProFormer™ cabinets put it all together in a single assembly that's easy to move and simple to hook up. These cabinets require only two connections, air and electrical, and include features offered in our high-production Pro-Finish® line. Plus, they come in two sizes: the 3642 with interior working dimensions of 36 inches deep by 42 inches wide by 48 inches high and its bigger brother, the 4652, with working space of 46 inches by 52 inches by 48 inches.

Both include a tunable media reclaimer, capable of recycling a variety of abrasives, and a cartridge-type dust collector, monitored by a minihelic gauge, contained in the same enclosure as the cabinet, along with all electrical and pneumatic interconnections between components. Forklift slots are also provided, making these units easy to move between work stations.

The dust-collector filtration system is designed for easy maintenance. Filters can be pulse-cleaned with the

press of a button. When filters need replacement, they can be changed quickly and cleanly with a twist of two nuts. The filters slide into the cabinet where any loose dust falls into the cabinet, not onto the work floor.

Designed for production blasting, these versatile cabinets enable you to perform multiple tasks. You can clean orpeen and perform almost any finishing job in between by simply varying air pressure and blast media.

These rugged cabinets can be specified with either suction- or pressure-blast systems and a wide range of standard factory options.

For additional information about our ProFormer cabinets, go to the next page, contact Empire or your local Empire distributor, and visit our web site at [www.empire-airblast.com](http://www.empire-airblast.com)

## Standard Specifications

| Cabinet Model                                | 3642         | 4652         |
|--|--------------|--------------|
| Overall dimensions (DxWxH), inches           | 72 x 44 x 82 | 82 x 54 x 82 |
| Inside dimensions, cabinet (DxWxH), inches   | 36 x 42 x 48 | 46 x 52 x 48 |
| Door sizes, left and right (DxH), inches     | 29 x 32      | 39 x 32      |
| Ceramic nozzle (pressure), inches            | 3/16         | 3/16         |
| Ceramic nozzle (suction-airjet), inches      | 5/16-5/32    | 5/16-5/32    |
| Pipe string (pressure), inches               | 1            | 1            |
| Pipe string (suction), inches                | 1/2          | 1/2          |
| Pressure vessel (ASME certified), cubic feet | 1            | 1            |

## Other Features

- Ergonomic glove rings with operator armrests
- Rubber, cloth-lined gloves
- Two, 90-watt flood lights
- Dust-off gun
- Pneumatic foot-treadle control
- 14" x 22" safety-glass window with quick-change frame
- Air-pressure regulator and gauge
- Media regulator
- Leveling bolts
- 14-gauge construction on cabinet enclosure
- 3/16" perforated floor with 1,000- pound capacity
- 600 CFM ventilation

## Standard Factory Options

- Three-phase and other electrical hookups
- Manual turntables
- Fixed-gun holders
- Rotating door-attached baskets
- Extended-wear components, including rubber curtains, window protectors, heavy-duty ducting, wear-resistant nozzles and reclaimer lining
- Automatic Sure-Flo® media regulator
- MG-78 CR exhaust valve
- Vibrating reclaimer screen
- Magnetic ferrous-particle extractor
- Photohelic gauge/activator for automatic pulse cleaning of dust-collector cartridges
- Rubber safety mats



*Rolling turntables, designed to expedite loading and processing, are just one of many standard factory options available with ProFormer™ cabinets.*

## Dust Collection & Media Loading



ProFormer™ cabinets are equipped with cartridge dust collectors to facilitate a quick change of filtration surfaces. These two cartridges have a filtration area of 103 square feet each, providing a total of 206 square feet, and can be replaced in minutes through the cabinet door. As a result, loose dust falls into the cabinet rather than onto the work floor.

The standard minihelic gauge shows pressure differential across the filters, prompting the operator to activate the pulse-cleaning mechanism. With the photohelic upgrade, pulse cleaning is initiated automatically when the system detects a pre-set pressure differential.

Replenishing media is essentially fool-proof with ProFormer cabinets. They are specially designed to prevent clogging when abrasives are loaded through the cabinet floor.

Pressure (*middle*) and suction (*bottom*) configurations appear on the left.

### BEST WARRANTY IN THE INDUSTRY

Three-years limited on parts

### Empire Air-Blast Products

- A complete range of cabinets
- Robotic, turntable and in-line automation
- Blast rooms and blast booths
- Portable blasters
- A full line of parts and accessories

### NEVER USE SILICA SAND IN ANY EMPIRE EQUIPMENT

Information subject to change without notice.

## Empire Abrasive Equipment

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