

Pro-Finish® Pressure Blast Options

Fine-tuning controls, incorporating Empire's **automatic Sure-Flo® media regulator**, enable the operator to adjust the richness of the air-to-grit mixture from the front of the cabinet while he works. As a result, dialing in the optimum air-to-grit ratio for a particular job is greatly simplified. To further assist the operator, an indicator displays relative grit richness within the blast stream. In applications where media are changed frequently—or where contamination can cause periodic clogging of the grit valve—a push-button choke is available on the same control panel.

A **fixed-orifice media regulator** is attached below the Sure-Flo valve in applications, such as shot peening, where very precise metering is required.

For light media, our **MG-78 CR exhaust valve** works in combination with the automatic Sure-Flo to facilitate pressure vessel refills.

An optional **low media-level sensor and indicator** warns the operator when the media supply in the pressure vessel is low. **Sight glasses** enable visual checks on pressurized vessels.

Upgrading to a **3.5 cubic-foot pressure vessel** triples the amount of blasting that can be accomplished between media refills. This larger vessel is especially valuable when using a large blast nozzle or a second nozzle, and when attaching an optional **basket assembly** to the cabinet door for automated batch finishing of small workpieces. (See page 7 for more information on the basket attachment.)

Two pressure-blast nozzles can be supplied with Pro-Finish® systems to increase coverage and reach multiple faces on parts such as screw threads or root sections. Finishing speed is double that of an ordinary high-production pressure system. The two nozzles can be turned on and off individually with manual valves. Two holders are included for nozzle positioning.

Di-Carb™ nozzles (tungsten carbide) stand up to steel abrasives and glass beads; **Boron carbide nozzles** deliver superior performance when blasting with aluminum oxide, silicon carbide and garnet.

A **fixed-nozzle holder**, which bolts anywhere on the cabinet wall, can be adjusted to position the nozzle in any orientation, leaving both of the operator's hands free to maneuver workpieces.

Door trays prevent dust, which clings to the cabinet doors, from dropping onto the floor when the doors are opened.

Pressure conversion kits upgrade suction cabinets to pressure cabinets in the field.

NOTE: Some option combinations are not available. For information, please consult Empire or your local Empire distributor.



Fine-tuning controls let operator adjust air/grit ratio from cabinet front for optimum results.



Automatic Sure-Flo® media regulator promotes consistent media flow and reduces energy costs.



Sight glasses permit viewing into pressurized vessels for quick accurate checks on media supply.

Pro-Finish® Suction Blast Options

Multiple blast guns add to the speed and versatility of Pro-Finish® suction cabinets. A total of four guns can be employed to facilitate the automated blasting of parts with irregular profiles. In addition to short-handle guns, the multiple-gun option includes individual shut-off valves, a one-inch pipe string, required hoses, and holders for gun positioning. Multi-gun packages include a **4.5 cubic-foot media storage hopper** with easy access for loading and media inspection.

A **fixed gun holder** adjusts to position the blast gun or guns in any orientation so the operator can use both hands to manipulate workpieces within the blast stream.

Guns with **Di-Carb™ nozzles** (tungsten carbide) stand up to steel abrasives and glass beads; **Boron carbide nozzles** slow wear when blasting with aluminum oxide, silicon carbide and garnet.

Our **basket assembly**, which attaches to the cabinet door, automates batch finishing of small workpieces. The basket attachment includes its own drive motor and 60 minute timer. In addition, it is removable, which helps in unloading of parts and permits the cabinet to be used for manual blasting of larger workpieces. The basket attachment handles 40 pounds or 200 cubic inches of "flowable" parts and can be specified with an abrasion-resistant coating for longer service life. Empire also produces dedicated basket-blasting machines in a variety of models and sizes.

Kleen™ package consists of trays mounted under the cabinet-door opening and a return hose on the suction media regulator. Door trays prevent dust, which clings to the cabinet doors, from dropping onto the floor when the doors are opened. If the blast nozzle plugs, the pressurized media will not spill out of the media-regulator air intake. Instead, it is routed to the blast cabinet.



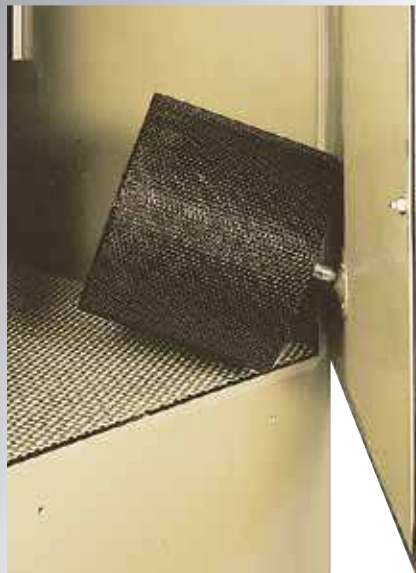
Fixed gun holder frees operator to manipulate parts.



Optional nozzles for MH-2 blast gun handle a full range of abrasives with minimum wear.



4.5 cubic-foot media storage hopper provides a large supply of abrasives to support up to four blast guns.



Basket attachment automates small parts finishing.