

# FanBlast Nozzles™ Provide High Speed, Wide Path Stripping

According to Pauli Systems, state-of-the-art fluid dynamics technology make their FanBlast nozzles an industry breakthrough in high speed surface stripping and peening. FanBlast flat nozzles provide a wide uniform blast pattern enabling faster, more efficient surface stripping and peening. What's more, FanBlast doubles the production rate on coatings such as tenacious epoxy primer and polyurethane top coats. You require less compressed air, less time and labor, and use less media.

With round nozzles, some areas are blasted more than others due to a higher volume of media in the blast stream center. The center of a round nozzle blast area receives more blasting action and the edges receive less, causing overblasting in some area and underblasting in others.

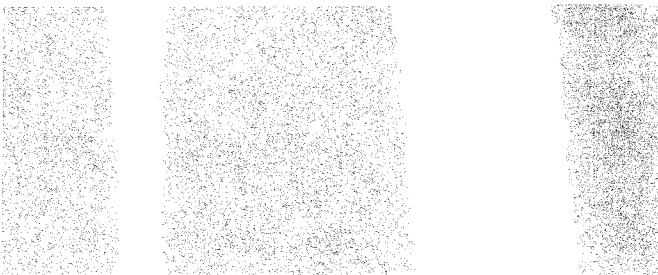
## Ergonomic Nozzle

The ergonomically-designed nozzle enables easy manual control unlike previous industry units designed as prototypes or for robotic manipulation.

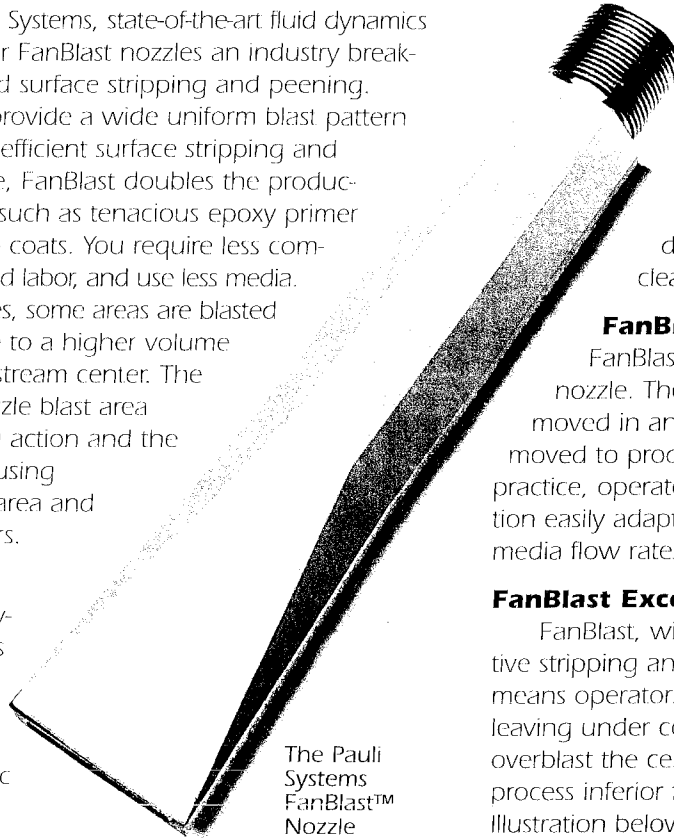
These high production nozzles are carefully manufactured for perfect, smooth-flow, low-wear operation and are available in two popular sizes for standard 1-1/4 inch NPS hose fittings. FanBlast nozzles feature a stainless steel heat-treated liner with a soft, low-rebound urethane jacket for added protection and operator comfort. One version has a tungsten carbide liner.

## Media

FanBlast Nozzles are designed for lower aggressive media such as starch and plastic media. Aggressive media such as glass beads and aluminum oxide are not recommended except with the tungsten carbide model.



The 1/2" (12.7 mm) equivalent FanBlast Nozzle with its wide pattern next to a conventional double venturi nozzle pattern. The FanBlast nozzle pattern width is 2.2" (5.6 cm) versus 5/8" (1.6 cm) average for the double venturi nozzle.



## Applications

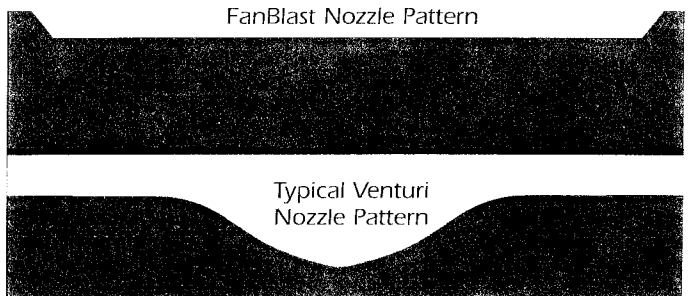
FanBlast can replace outdated round nozzles in most applications using low aggression media. Cabinets and blast rooms benefit using this high-speed nozzle. In addition to selective and complete coatings removal, FanBlast can be used for deburring, deflashing, peening, etching and cleaning.

## FanBlast Operator Training

FanBlast operation is similar to a conventional blast nozzle. The difference is a round nozzle is held and moved in any direction while the FanBlast is held and moved to produce the wide blast pattern. With minimal practice, operators familiar with typical blast nozzle operation easily adapt to FanBlast. Facilities can use the same media flow rates and air pressures.

## FanBlast Excels at Selective Stripping

FanBlast, with its even particle distribution, brings selective stripping and peening to a new level of ease. That means operators can effectively remove top coats while leaving under coats intact. Typical conventional nozzles overblast the center and underblast edges making the process inferior for selective stripping. As shown in the illustration below, the 1/2 inch (12.7 mm) equivalent FanBlast nozzle pattern etched into foam (top) illustrates evenly distributed media particles over the full 2.2 inch (5.6 cm) width. A typical conventional double venturi nozzle (bottom) overblasts the center and underblasts the edges of a 5/8 inch (1.6 cm) path.



## Cabinet FanBlast Nozzle

Pauli Systems has also designed a FanBlast nozzle to maximize operations in blast cabinets. The nozzle cuts cabinet production time in half and reduces media consumption. The Cabinet FanBlast's small size gives operations the same wide path stripping benefits of the larger nozzles and provides a perfect grip for cabinet operations.

For more information, contact Pauli Systems by telephone: (707) 429-2434, email: info@paulisystems.com or visit their web site at [www.paulisystems.com](http://www.paulisystems.com).