

# PROCO AUTOMATIC DEFLASHER



## Reduce Costs to Increase Profits!

Proco's Automatic Deflasher provides a cost effective solution for your automation needs. This relatively uncomplicated machine is considered the work horse of the Proco product line. The modular design provides maximum flexibility. The Deflasher can be supplied as part of a complete automation package, or as an individual unit. It can run in-line or be manually fed.

The Deflasher punch is a heavy duty mechanism designed to remove the flash on various containers from just a few ounces up to 2 gallons. Guide rods ensure accurate alignment of the punch tool during the deflashing operation. The punch mechanism is mounted on vertical guides to permit the whole mechanism to be adjusted vertically and an embedded scale provides reference for accurate placement. The punch is driven by a 3 inch diameter air cylinder. This large cylinder can produce up to 700 lbs of force to remove large, difficult flashes easily.

## PRODUCT FEATURES

### Deflasher Tooling

Deflash Tooling consists of a holding nest, punch, and the transfer tooling. The holding nest is made in two halves from cast urethane and conforms exactly to the shape of the container. When the two halves are closed, the containers are held firmly and accurately in position for deflashing. The deflash punch is made from aluminum and is angled to create a tearing effect when removing the flash. The transfer tooling attaches to the transfer arms and grips the container firmly during the transfer motion in and out of the deflash station.

### Accurate Tooling

The Deflash Tooling holds the containers in positive registration for accurate flash removal.

### Multiple Cavities

Multiple containers can be deflashed at the same time, thereby increasing overall through-put.

### Wide Product Range

The heavy duty deflash mechanism handles a wide range of containers in various sizes, from a few ounces up to 2 gallons.

### Tail Remover

The optional tail puller removes the tail flash.

### Scrap Handling

The integral scrap conveyor located below the tail puller transports the scrap out of the Deflasher.

### Smooth Product Transfer

The transfer mechanism grips the containers and moves them horizontally into the deflash station. This movement also removes the deflashed containers and transfers them downstream to the exit conveyor. The containers are gripped by a contoured section of the urethane material that is mounted onto the tooling arms.



*Blow Molding Automation*

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## Proco Specialized Technology

Proco specializes in the Blow Molding Industry and has been providing practical, cost effective solutions for over twenty years. Deflashing is one of our specialties. You can be confident that Proco will provide you with the most effective solution at the most competitive cost.



## Cost Reduction

In today's market, the labour costs are ever increasing and so are the incidents of repetitive stress related injuries. Automation is no longer a luxury, it has become a necessity! Proco Machinery can help you obtain this cost reduction with our full range of state-of-the-art automated products, that are specifically designed with the blow molder in mind. The Automatic Deflasher is just one important element in our expanding product line. Join other industry leaders; choose Proco's machinery and equipment to increase your bottom line profits.

## PRODUCT FEATURES

### Simple Control System

The Deflasher is controlled by a PLC that is situated in the remote operator control console. This controller is connected to the Deflashing Machine via an umbilical cord, allowing the console position to be adjusted, maximizing operator convenience. The control panel features a series of control switches, push buttons and panel lights, allowing the operator to control the Deflasher in automatic or manual modes. The panel lights indicate the machine status. In addition to these controls, there is a keypad and/or LCD that permits operator access to the PLC timers and counters. The timers and counters can be changed to suit a particular job, making set-up and change over simple and easy.

### Guard System

The guard system provides maximum protection for the operator while providing unobstructed observation of the machine in operation. The guard is made in two sections; each section can be lifted independently for easy access or both sections can be opened to provide maximum access during set-up. Other features of the guard system include safety switches that disable the machine and dump the compressed air when the guard is opened.



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