barwell SpinTrim
Rubber Deflashing Machine

The **barwell** ***Spin***Trim is a simple and cost-effective method of deflashing small rubber parts. It can be used as a single process operation or as a cost reducing first stage before cryogenic deflashing for parts with excessive flash.

- An affordable system of mechanically deflashing rubber parts that provides quick pay back and improved finish quality
- A very compact and quick solution of rubber deflashing
- A simple method of operation and exceptionally easy to maintain
- A system that eliminates safety risk and time taken with manual trimming

When should I use the barwell *Spin*Trim?

The SpinTrim is ideal for the high quality deflashing of small to medium size rubber parts that do not have excessive flashing or for more excessively flashed product when the application does not require a pristine finish.

It separates the sprue and the unwanted flash surrounding the product in a very short period of time (usually about one minute) and offers considerable cost, time and quality and safety advantages over hand-cutting, grinding, chemical use or tumbling methods of deflashing.

Ideal applications

- 'O' Rings
- Grommets
- Seals
- Caps
- Gaskets
- Other small rubber parts

It can be used as a cost-effective first stage process for the deflashing of more complex parts or those with excessive flash prior to using a Barwell Freeze Trim cryogenic deflashing machine. The benefit of having a two-stage process is that it reduces the time taken during cryogenic deflashing, including the amount of nitrogen used, which reduces operational costs. It also means that a higher quality part is produced as the cryogenic and media blasting process can concentrate on polishing and fine trimming the products.

Features

- Capacity 14L (usable volume 4L)
- For loads of a maximum of 1 kg
- Up to 9000 rpm spin speed
- Adjustable cycle time
- Supplied with 7 vacuum screening plates for process flexibility
- High quality Omron PLC and inverter
- Multi-language simple-to-use colour operator interface angled for easy viewing
- Stores up to 20 process set-ups
- Insulated for sound reduction
- CE compliant with special built-in safety features

How does it work?

The process is quick and requires minimal skills by the operator. An appropriate vacuum screening plate is selected and fitted dependent on the size and type of product being deflashed. Parts are then placed into the three compartment safety chamber - allowing for the next batch of parts to be deflashed immediately after the first.

Detail showing deflashed parts – first item is before deflashing and the SpinTrim separates into three parts including finished item (shown bottom right)

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Parts to be deflashed are dropped into the chamber

The chamber should only be filled to about a third of its capacity for effective spinning. Once secured in the spin chamber and the cycle settings have been made an internal mechanically propelled disc spins the rubber parts at high speed resulting in the excess flash being removed and the sprue connections being broken. The small flash is sucked away by an integral vacuum and the deflashed parts and larger flash including sprue exit via a chute into a dump bin (or a vibrating separator which can be supplied by Barwell).

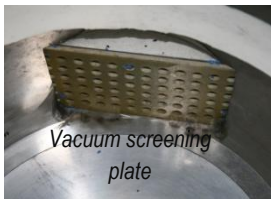
Parts about to be released and dropped into spinning chamber

Exit chute

Specification	
Length	1700 mm
Height	1100 mm
Depth	550 mm
Weight	310 kg
Power Supply	380V-440V 3 phase, neutral and earth. Total maximum connected load 5kW. 220V single phase for the vacuum machine.
Air Supply	1/4" BSP Maximum permissible pressure of 85 psi
Capacity Size	14L (maximum chamber fill 4L)
Maximum rpm	9000 rpm

CE

Angled control panel



Vacuum screening plate

Barwell is a world leader in the manufacture, design and supply of high quality processing machinery for the rubber and ceramic industries.

We offer worldwide machine sales, spares, service care and technical support for our full range of rubber processing solutions. Our presence in over 40 countries means we are able to react quickly to the precise nature of our customers' production. Our equipment provides the following benefits:

- Improved production efficiency and quality
- Greater accuracy for dimensional and weight tolerances
- Reduced material wastage
- Time and energy-saving benefits
- Increased profitability
- User-friendly operation and maintenance

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Barwell Support

Barwell is committed to provide a lifetime of reliability and support for your *SpinTrim* through superior machine quality, expert maintenance, spares, training and advice.

Call us on +44-845-224-3541 or email info@barwell.com

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