



Transforming your preforming

Is your old Barwell **C3** Preformer safe and compliant with the latest standards and as accurate and as efficient as it could be?

For many machines still in operation, the answers to these questions are likely to be **NO**, **but we can help...**

Did you know that you can upgrade your barwell C3* for a fraction of the cost of buying a new machine and gain from the following amazing benefits and enhancements?

- Improve on its already highly accurate blank weight production capability
- Reduce material wastage even further
- Be safer and fully compliant with the latest international safety standards
- Operate at greater speeds
- Make your machine less expensive and easier to maintain
- Ensure all components are fully supported and readily available
- Significantly increase its life expectancy
- Discounted rates for machine service or internal seal overhaul at time of upgrade

Owners of Barwell C3* machines know that they were built to last. However, safety standards and technology have changed and producers need even more from their machines to meet modern production and safety requirements.

A simple way to improve the quality of your production, save time and reduce wastage and costs is to upgrade your current machine, so it will be fit for another lifetime.

We have developed a special upgrade package designed to transform your preforming, so your machine is safe, incorporates the latest technology, is fully

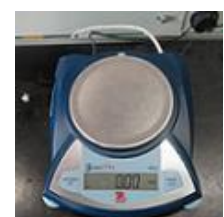
supported for all its components and improves your production process whilst reducing production costs.

Expenditure is quickly recouped due to the material, time and labour savings gained. You will also benefit from the peace of mind that your machine is safe for operators and free from causing major downtime in the event of cutter motor or machine failure.

We can quickly judge whether your machine is suitable for an upgrade by analysing photographs of the key areas of your machine. Contact us for a more detailed discussion about your requirements and for a formal quotation.

**also suitable for C2, MR400 and MIDI preformers.*

...a lifetime of reliability and support



More information on **barwell** Upgrades

Enjoy greater blank accuracy and reduced material wastage through automatic check weighing

Older Barwell preformers require manual adjustment to achieve your required and consistent blank weight. This is time-consuming, requires experience and can result in a large quantity of rejected blanks and wasted material.

An upgrade incorporates the proven Barwell automatic weigh scale loop back system to achieve and maintain consistent and accurate blank weight with minimal input.

The operator simply places a preformed blank on the weigh scales and if the preformed blank weight does not correspond with the 'target' weight, the operator just presses a button on the scales and this automatically adjusts the cutter speed to bring the blank to the required 'target' weight. The operator does not need to make any physical changes to the machines settings.

Money is not only saved because of fewer rejects, but also through a reduction in the amount of flash produced during the moulding process and through less time spent deflashing moulded parts during finishing.

This enhanced level of production control improves blank quality and saves valuable production time and compound.

Ensure you comply with the latest safety standards

Health and safety in factories has changed during the last twenty years.

Most old machines need to be upgraded to ensure that they meet the requirements of today's stringent regulations and the standards that are expected, or insisted upon, by Health and Safety executives and risk assessors. This is a primary concern for those responsible for machine maintenance and operator safety.

Research has shown that accidents in rubber factories relating to processing machinery are usually caused during normal operation or maintenance and the most common causes are; poor or no training, inadequate safeguarding fitted or in disrepair, or where it has been overridden.

Other identified issues that cause accidents are an inability to stop the machine quickly and, in some cases, machine modifications and maintenance 'improvements' that have been made, but not 'approved' by the equipment manufacturer. These are either manageable or avoidable.

The fitting of safety guards, interlocks and emergency stops etc. are strongly recommended and in most countries their necessity is supported by very tight regulations where the implications of non-compliance can be costly. An upgraded Barwell provides these enhanced operator safety features and is supported by up-to-date user-training to ensure safe machine operation.

Increase your production speed

Due to improvements in technology with more user-friendly and efficient controls, the speed and

simplicity of operating a preformer have also improved. Therefore, the knowledge required and time taken for a machine operator to efficiently and comfortably run a Barwell is significantly reduced.

As previously mentioned, an upgraded Barwell enables weight adjustments to be made more quickly and you will gain from up-to-date operator training and advice to improve your production. You will benefit from faster cut rates, which will increase from 166 cuts per minute to 250 cuts per minute on an upgraded machine.

Make your machine easier and cheaper to maintain

An upgraded Barwell will have improved, more commercially available parts fitted, which are much easier and quicker to replace during maintenance.

New technology, components & electrics means your machine is supported in the event of control failure

Due to the age of their electrics and components, some older Barwell machines can no longer be fully supported for their controls, as some components (particularly the cutter motor) are no longer available or are very expensive to source and may have excessive lead times.

This is not a problem, until the cutter motor fails. You might then be faced with an operable preformer which could significantly impact other areas of your production.

This is avoidable with a Barwell upgrade and you will have a fully supported and up-to-date machine.

Increased machine life expectancy

Your machine will be modernised due to the inclusion of new, updated and more efficient components. This enables better processing and reduces operational stress on your machine, significantly prolonging its life.

Let us transform your preforming

What does a Barwell upgrade involve?

A Barwell engineer will upgrade your machine on-site. It should only take three days to complete your upgrade and to train your operators.

- Incorporation of the scales feedback system with Omron touch-screen, PLC & weigh scales
- Replace all components & wiring within the electrical panel, including all controls & safety features: switches, circuit breakers, contactor, safety relays, PLC, inverter, isolator, transformer, 24V power supply & panel wiring
- New control interface with control label, HMI, push buttons, temperature control, blank counter
- New cutter motor & mounting plates
- Installation of Guardmaster interlock & brackets
- Fitting of E-Stop button
- Installation and machine testing
- Full machine health check inspection
- Operator training refresher courses
- Production & supply of new operating instructions and electrical drawings