

**Company Name** Beatson Clark

**Location** Rotherham, UK

**Industry** Glass Bottles and Jars

**Product** Baty Venture XT 3030

### APPLICATION BACKGROUND

Founded in 1751 in Rotherham, South Yorkshire, Beatson Clark has been designing and manufacturing glass bottles and jars for 270 years and remains the UK's largest manufacturer of pharmaceutical glass containers. Since diversifying into the food and beverage markets in the 1970s and 80s, the company now produces approximately 540 million units each year with a 145,000-tonne capacity and a turnover of £62 million.

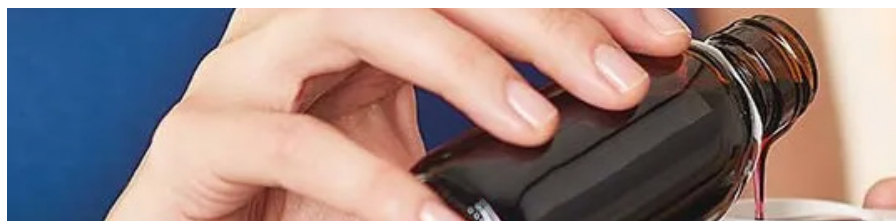
With a highly skilled and experienced workforce of over 350 employees, it works towards a common goal of meeting its customer's requirements with a quality product. To maintain such standards, Beatson Clark is fully certified to the international Quality Standards ISO9001 and BRC.

### THE CHALLENGE

Always striving to provide superior performance in its quality and service, Beatson Clark has an ongoing commitment to continuous improvement that includes investing in future technologies. Offering a wide range of glass containers for the food, pharmaceutical and beverage markets, working with clients such as Gaviscon, Hendricks and Baxters, its products must be of the highest quality to protect its reputation and that of its customer's brands.

With highly specified tooling being at the start of the process at Beatson Clark, an improved inspection system was the next logical step in its evolution as the company seeks improvements across the whole factory.

Critical features that make up the neck equipment are extremely difficult to measure with any form of accuracy using traditional equipment, leading to the inspection of components being both challenging and time-consuming.

**BEATSON CLARK**

DELIVERING THE DIFFERENCE



## THE SOLUTION

Looking for ways to improve the inspection of such critical components, Beatson Clark sought the help of Bowers Group, investing in a Baty Venture XT 3030 CNC to assist in its measurement of the dimensions of mould components that produce the necks of glass bottles and jars.

Offering a simple teach and repeat process, the powerful CNC model takes the power of fusion software one step further by completely automating the inspection process. This allows advanced features, such as scanning and best fitting, to be done quickly without taking up the time of skilled operators.

The XT is used daily by quality department inspectors who can now quickly and easily measure tricky components with many critical dimensions, forming the bulk of the systems work. The team are able to check batch parts thoroughly and ensure only quality components are used in production.

The previously near-impossible process has now become simple and reliable, gifting the ability to measure with complete accuracy and ensuring good tooling through to the moulding machines, translating into fewer quarantined products.

With its user-friendly design making the machine quick and easy to learn, the XT is also utilised by Beatson Clark to qualify machinist's work, allowing for all components that make up a tooling set to be inspected along the manufacturing process.

## COMMENT

Daryl Fletcher, Mould Shop Manager at Beatson Clark, said: "The Baty Venture 3030 has been a great addition to Beatson Clark. So far it has improved speed and accuracy when inspecting the mould components that has translated to improvements in production, and we are still finding uses for it due to its ease of use and versatility.

The vision system is very impressive. It is fast, accurate, and user friendly. Being able to import DXF files gives us the option of comparison as well as direct measurement. The software is intuitive and easy to use, yet very powerful with recognising features and alignment. We can very quickly give basic training to many users, so we are not reliant on a single person.

There is one particular feature on our guide plates that previously was near-impossible to measure with any sort of accuracy and repeatability. The Baty now makes this measurement very easy and has already proved its worth.

As a previous user of Baty, I was pleased to see that the team has continued to be extremely professional with good communication from the start and everything promised has been delivered. The ongoing support and backup have been excellent."

