

PRECISION PRESSINGS



INTRODUCTION

Technical excellence, product value and customer service are central to Brandauer's proven manufacturing philosophy. As one of the largest contract presswork companies in Europe, the Company offers precision metal components and technical solutions to customers throughout the world.

Since it was founded as a pen nib manufacturer in 1862, Brandauer has evolved into a world-class engineering Company, specialising in the manufacture of complex components, in difficult

materials, for a wide range of industry sectors. We pride ourselves on our ability to turn difficult requirements into positive outcomes.

Today Brandauer remains as focused on the future as ever – a successful family-owned business building on a programme of continued investment in plant and people, and on excellent working relationships with all our stakeholders, to ensure we maintain a leading position for many years to come.



BRANDAUER - TURNING NEGATIVES INTO POSITIVES

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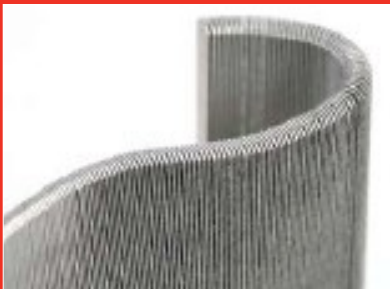
▶ Brandauer's modern 45,000 sq. ft. factory provides a world-class manufacturing facility.

▶ On-going investment in state-of-the-art equipment includes: the latest machining technology; presses and ancillary equipment; offline and online vision inspection and information technology.



▶ Highly-skilled staff – in design, tooling, production and quality engineering – bring in-depth industry knowledge to bear on each new project.

▶ Staff training programmes enhance quality and service.



INVESTING AND DEVELOPING

Strategic planning and the willingness to invest in new technologies and processes are key drivers behind Brandauer's long-term success.

To meet the rigorous demands of modern manufacturing and to remain at the forefront of innovation, the Company moved to new premises at the turn of the millennium.

The maintenance and development of this world-class manufacturing facility is supported by Brandauer's consistent investment programme.

Ongoing capital purchases focus on key technologies and equipment, including wire / EDM machines (all fully interfaced with the appropriate CAM software), modern presses, advanced 3D CAD equipment and environmentally-friendly cleaning processes.



“the willingness to invest in new technologies and processes...”

IN COMPLETE

Brandauer's expert team works closely with customers to assess their individual needs and find the right solution – no matter how complex the requirement.

We specialise in producing pressed components in even the most demanding of materials. Our approach is unique for each and every customer, whether working from an initial concept or managing the transfer of

tools on an existing project. Brandauer's long experience across many different industries (including electronics, building, plumbing, telecoms, IT, consumer electronics, medical, automotive and EMC shielding) means that our team is ideally placed to offer customers a broad-based consultancy service, drawing on their in-depth knowledge to counsel, advise and manufacture.



COMPLETE



- ▶ Brandauer offers a complete service, working with customers from concept to final delivery.
- ▶ Broad experience of different industries makes the Brandauer team ideally placed to provide comprehensive and informed advice.
- ▶ Close working relationships ensure that Brandauer becomes an extension of its customers' own in-house design and production teams.
- ▶ Understanding the customer's requirements is paramount, and ensures reliable, cost-effective component and tooling solutions.
- ▶ As well as working on projects from inception, we offer a specialist tool transfer service designed to take the hassle out of moving existing production.

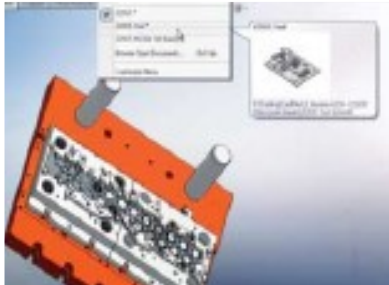


ACHIEVING THE IMPOSSIBLE

Brandauer's flexible approach means we offer a complete manufacturing solution for every situation.

When working with customers from the concept to the completion of a project, we provide an expert extension to our clients' in-house production teams. This close working relationship ensures the seamless integration of new processes into the production line.

Working at the initial feasibility stage, Brandauer offers advice on types of materials appropriate



to the production process and objectives. This production knowledge has often resulted in alternative and more cost-effective solutions for the final specification.

For customers with existing production projects, we also provide a specialist tool transfer service, making possible the smooth and effective transfer of production with minimal disruption to supply.

Supporting all Brandauer's manufacturing processes is our expertise and experience in order



and production management, e-commerce and web-based purchasing procedures, stockholding, bespoke packaging, orientation and delivery methods – all designed to deliver total customer satisfaction.

“a specialist tool transfer service, making possible the smooth and effective transfer of production...”

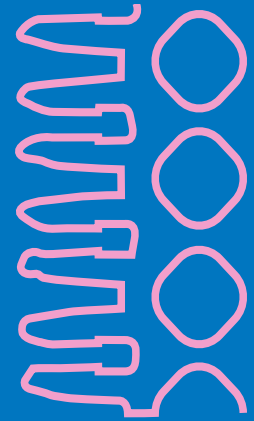
IMPOSSIBLE

Brandauer employs the most modern manufacturing methods and processes, benchmarked against the best in the world.

From our specialist in-house tooling operation through to full production and all associated support activities, performance

is governed and carefully tracked via real-time, shop floor data collection.

We are specialists in working with difficult materials, operating at tolerances as low as one micron to achieve outstanding and ingenious manufacturing solutions.



POSSIBLE



- ▶ Brandauer offers accuracy and consistency through world-class manufacturing methods.
- ▶ In-house tooling service offers vast experience in tungsten carbide tooling and 3D design.
- ▶ Both progression and multi-slide tooling catered for.
- ▶ Specialists in working with difficult materials.
- ▶ The insertion or welding of precious metal contacts or silver wire to reduce costs on secondary production operations.



ACHIEVING THE **IMPOSSIBLE**

Brandauer specialises in turning the most demanding customer requirements into a manufacturing reality.

There is no limit to the ingenuity of our in-house tooling, both progression and multi-slide, which can handle materials down to 0.05mm thick and in a wide range of materials, including titanium, stainless steel, complex copper-based alloys and aluminium.

All tools are designed for maximum cost-effectiveness, including the use of tungsten



carbide inserts and the application of advanced, wear-resistant coatings – minimising downtime on the production line.

Rapid prototyping delivers cost-effective, fully working components for testing purposes. Working closely with the customer, any changes identified through the testing process can then be corrected prior to more costly full production tool manufacture.

A wide range of added-value techniques is offered, such as the insertion or welding of



precious metal contacts or silver wire at high speed within a progression tool. These techniques save substantial costs on secondary production operations, as well as improving quality and consistency.

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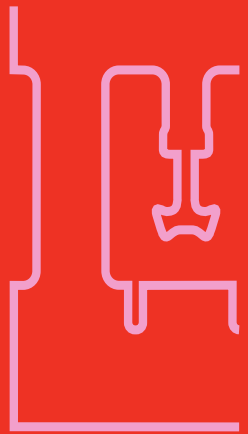
UNRELIABLE

This ethos of consistent and reliable service quality is driven by a strong management team, dedicated to delivering and maintaining the highest standards.

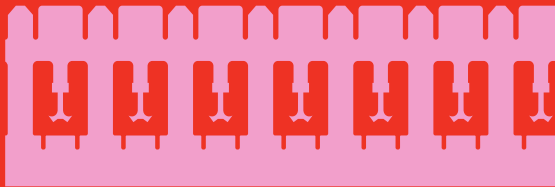
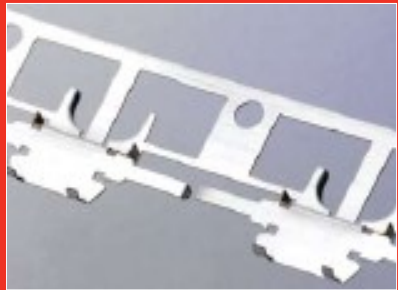
Clear communication and a commitment to world-class quality systems ensure we are able to understand needs and exceed expectations time after time. We place a strong emphasis on total project

management, from the speed and accuracy of our initial estimating service to the commercial management of our on-going customer relationships.

Our customer systems are backed up with strong in-house administration and IT systems, including the latest CRM system to ensure effective management of new and existing customers alike.



RELIABLE



- ▶ The highest level of international quality standards.
- ▶ Meeting international environmental standards, not only in terms of materials used but also to minimise waste in the production process.
- ▶ E-commerce capability allowing us to respond quickly and efficiently to ordering, bidding and stock management requirements.
- ▶ Fully conversant with export and other international trading requirements.



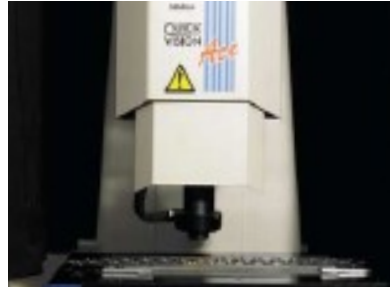
EFFECTIVE, RELIABLE, GLOBAL

Whatever your product, whatever the component and whatever your industry, Brandauer has the systems, the breadth of experience and the skills needed to meet your component pressing requirements.

We hold all the quality and environmental accreditations appropriate to our key markets, with our operations managed and benchmarked through real time data collection and strictly monitored performance indicators. Our dedicated customer

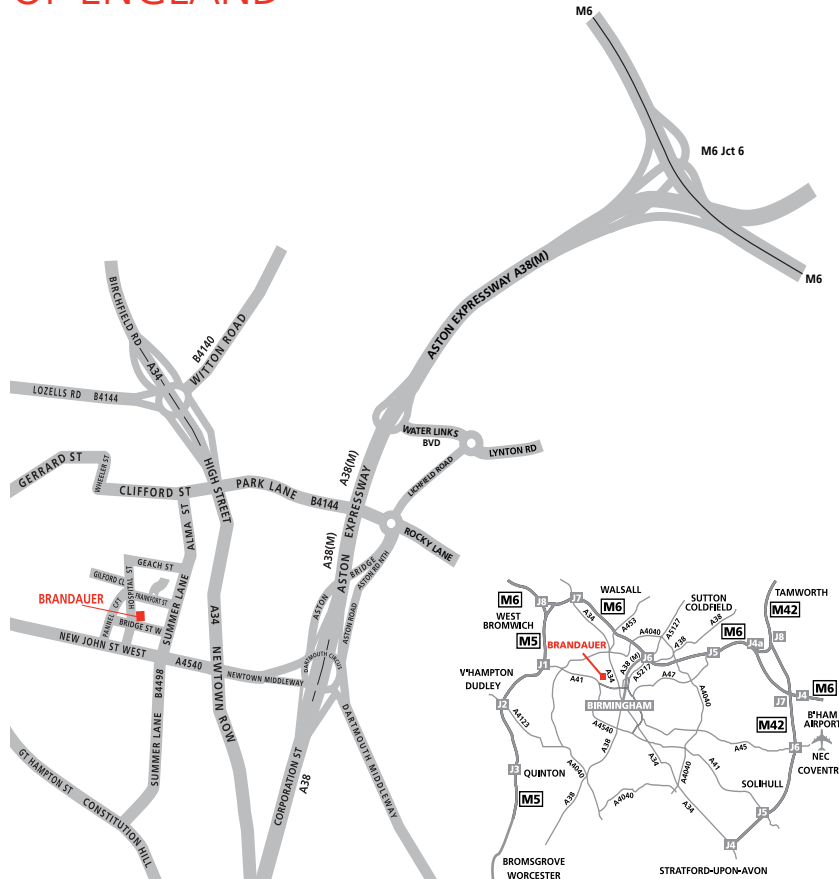
management systems and our experience of e-commerce and purchasing processes mean that we are as comfortable operating abroad as we are at home.

In fact, with our specialist export team managing logistics, consignment tracking, banking and language barriers, Brandauer successfully exports to countries around the world including China, India, the United States, Mexico and Europe.



“all the quality and environmental accreditations appropriate to our key markets ...”

IN THE HEART OF ENGLAND



Brandauer's modern manufacturing facility is located in the heart of England, just a 15 minute drive from Birmingham's airport and National Exhibition Centre – offering excellent distribution links via road, rail and air.

By road

From the North and South via M6, leave Junction 6 and take the A38 towards the City Centre. Leave the A38 dual carriageway at A38 Dartmouth Circus and take the third exit from the roundabout for the A4540 (Newtown Middleway). Continue along the dual carriageway across the major A34 junction, and then move into the right-hand filter lane and indicate to turn right into Summer Lane. Once in Summer Lane, turn first left into Bridge Street West. Brandauer can be found on the right hand side at the junction of Hospital Street and Bridge Street West.

By rail

New Street, Snow Hill and Moor Street stations in the City Centre are only minutes away.

By air

Birmingham International Airport (BHX) is located approximately 6.5 miles from the City Centre.

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