

## METAL PRODUCT MANUFACTURING



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# STATE OF THE ART

Investment in advanced machinery has propelled HTA into the position of one of the fastest growing companies of its kind in Europe. We recognise that our customers demand precision manufacturing combined with rapid production times, and the sector has responded to what we have to offer.

Through our close partnerships with companies like Trumpf and Cloos – pioneers in manufacturing technology – we have equipped our advanced manufacturing facility with world class equipment that covers everything from laser cutting to robotic welding.



At HTA our approach to customer service is as advanced as our technology. By using the Value Stream approach we are putting the focus on delivering exactly what our customers need. Through a genuine partnership we are achieving a mutually successful, long term future, by sharing expectations and committing to joint risk.

When it comes to cost, our cutting edge technology and efficient processes means our customers can be sure of a competitive price, along with all the logistical benefits of a centrally located UK company.

# CUTTING EDGE





# HTA TECH

At our 95,000sq ft state of the art manufacturing facility in Coventry we have made a large scale investment in some of the world's most sophisticated machinery. Through advanced processes we are able to offer very competitive prices and fast turnarounds.

For example, our Trumpf laser cutting machines operate 24 hours a day and are the most technically advanced machines on the market, allowing us to offer high speed processing of parts without compromising product quality. Our Trumpf punching and folding machines are equally advanced, and our Cloos robotic welding system enables fast processing, consistent quality and faster weld cycle times.

Even the most advanced machines are still tools which require skilled personnel to operate them. This is another area of investment. We have found that having the best equipment attracts the best people, who we then retain through ongoing training and a commitment to providing work satisfaction.

We also look for the best traditionally skilled workers. For example, our manual welders are trained and accredited to UKAS welding standards and undergo continual re-assessment. This combination of advanced technology and a talented workforce is incredibly productive.



# HANDS ON

# IN CONTROL



An efficient service is not just about manufacturing, it is also about controlling the whole process at every stage. This is why HTA has introduced a fully integrated, world class Enterprise Resource Planning (ERP) software package which maximises productivity across our business. We use a shop floor Manufacturing Execution System (MES) to track production and monitor all manufacturing operations throughout the production process.

Live information is then fed back to our ERP software which enables our staff to ensure each job is progressing as planned. It also means our customers are able to track their orders in real time and obtain information by logging into their online portal. More control enables better management.

# PROACTIVE

We always aim for a relationship of trust and transparency with our customers. HTA is an ISO 9001:2008 registered company accredited by Lloyds Quality Assurance. Our Quality Management System makes sure the needs of customers are being consistently met.

But it goes further than that. HTA's advanced quality control processes enable us to provide our customers with full FMEA, ISIR and PPAP documentation. HTA initiatives such as design for manufacture and the online customer portal sets a standard of quality and service unrivalled in the subcontract manufacturing industry.





# KNOWHOW



The HTA workforce is highly skilled, motivated and flexible, with each individual committed to exceeding our customers' expectations in their particular area of work. Training is the foundation of our Human Resources operation, and there are ongoing programmes that involve continual re-assessment to ensure our drive for excellence is maintained.

When you contact HTA you can be sure of speaking to a professional who is personable and knowledgeable, able to respond to your questions and needs whatever the project you have in hand.



# WORLD CLASS

HTA aim to offer market leading levels of customer service and engineering capability. A key component of this is our versatility and experience. We have worked with customers in a wide range of industry sectors, on prestige projects and one-off orders through to high volume production and bring the same level of expertise and professionalism to each one.

There is a culture of continuous improvement at HTA, exemplified by our commitment to lean 6 Sigma management strategies. This is all backed by a significant investment in people, processes and technology. With all these elements working together, we are achieving a revolution in quality, speed of delivery and cost competitiveness resulting in a service that can truly be described as world class.

# AN ADVANCED MANUFACTURING FACILITY WHERE THE NUMBERS ARE STACKED IN YOUR FAVOUR.

We've invested heavily in some of the world's most advanced cutting and fabricating machinery. We've also extended our portfolio of services. The result: a comprehensive, cost-effective resource for our customers that delivers total dependability.

WORK

24

Hours a day operation  
From our 95,000 Sq Ft Advanced Manufacturing facility

LASER

5

Trumpf Flatbed Laser Cutting Machines  
Offering in excess of 800hrs per week capacity and cutting up to 4000mm x 2000mm x 25mm

PUNCH

1

Trumpf CNC Punching Machine  
Punching up to 3000mm x 1250mm – emboss, form, countersink, thread form and engrave

FOLD

7

Trumpf 6 Axis CNC Press Brakes  
Folding up to 4000mm x 230T

WELD

21

Production Welding Cells  
With MIG and TIG facilities

1

Cloos Robotic Welding System  
Welded Fabrications up to 3000mm x 1500mm x 1500KGS

FAB

5

Prototype Fabrication Cells  
Specialist Prototype Tables eliminate the need for expensive fixtures  
Zurich Laboratory Services UKAS Approved Welding Procedure Approvals to BS EN ISO 15614-1 2004 and Welder Approvals to BS EN 287-1 2004

3D Product design, development and reverse engineering

& Offline programming capability for Lasers, Punch, Press Brakes and Robot Welding Cell

4 Modern fleet of 4 vehicles up to 18T

+ Other Services Include:  
• Surface Treatment including Shot Blasting, Wet Painting, Electrophoretic Coating, Powder Coating and Zinc Plating  
• Projection Welding • NC Rolling • Fastener Insertion • Sawing • CNC Machining