



ADVANCE
ENGINEERING
MOVING FORWARD





Advance engineering offers a full range of engineering expertise to cater for all our existing and future clients needs. With over 20 years experience in the industry we pride ourselves on our approach to succeed and deliver the correct results first time every time.

We are committed to service and quality with communication paramount to achieving high level performance of repeat business with some of the UK and Europe's leading food, pet food, abattoirs, pharmaceutical and bio/renewable energy plants to meet strict environmental and hygiene requirements in today's industries from small single installations to large turnkey projects.

Our fully skilled work force and workshop is based in King's Lynn Norfolk, with our workshop to accommodate all our fabrication requirements from design to completion of all our projects. We maintain our expected high standards and quality through a very experienced project management and design team continuously striving for quality, effective solutions and meeting project deadlines for our many high profile client base.

Our primary focus is to work and develop new ways to improve and maintain our customers day to day and future plans and committed to customer satisfaction. Our engineers can be on standby and can be on site within hours ready to work, split shifts if required until issues and problems are resolved.

Whether its design, manufacture and installation of new equipment, decommission and removal of existing equipment or PPM (planned maintenance service) our team will deliver first time every time.

Advance Engineering can provide the following services:

- Design 2D and 3D
- Project Management – CDM, Principal designer and Principal Contractor
- Health and Safety Management – IOSH and NEBOSH
- Full range of fabrication processing equipment – CE marked, PED
- PPM (Planned Preventative Maintenance) packages
- Pipework installations – hygienic, steam, services, product
- Structural steel work and fabrication – EN1090
- Coded welding
- Laser cutting service
- Cutting and folding service
- Machining service
- Boiler service



At Advance our workshop is fully equipped to cater for all our fabrication requirements. We specialise in manufacturing hygienic designs to meet our clients needs from process to pharmaceutical industries. We offer full design, manufacture and installation of our equipment or designed to our client's requirements and bespoke designs. Advance are accredited to CE BS EN1090-1 Execution class 2 for structural steel. Some of our fabrication examples below:

- Conveyor systems, modular, belt roller and vibrators
- Elevators
- Pressure vessels (PD5500) (ATEX)
- Mixing vessels
- Storage tanks
- Cooking vessels
- Cooling vessels
- Platforms, walkways, staircases and ladders
- Vacuum and blow systems
- Fruit and vegetable washers and handling equipment
- Sterilizer systems
- Metal detection equipment
- Steel and railwork for meat industry



Pipe Work Installations

Advance engineering offer an extensive range of pipe work services from design specification, installation to commissioning and testing to all projects or onsite modifications.

Advance engineering can cover a wide range of pipe installations and modifications in many different materials, grades. Often pipe services to clients facilities are paramount to keeping machinery and the factory in production, working with our clients needs we will ensure downtime to the plant is kept to a minimal, preparation enables to complete the most effective and efficient way to minimise the installation required

Advance Engineering can provide the following services:

- Steam / condensate
- Process / hygienic
- Vacuum
- Air
- Water
- Coding welding
- Design layouts – P&ID, as built, 3D
- Inspections, surveys and reports for existing and new installations
- Stainless steel
- Carbon steel
- Mapress
- ABS
- PVC



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Laser Cutting

Here at Advance we have recently invested in the latest fibre technology for laser profiling. Our Bystronic machine is capable of rapid cutting speeds allowing us to get your jobs out to you sooner.

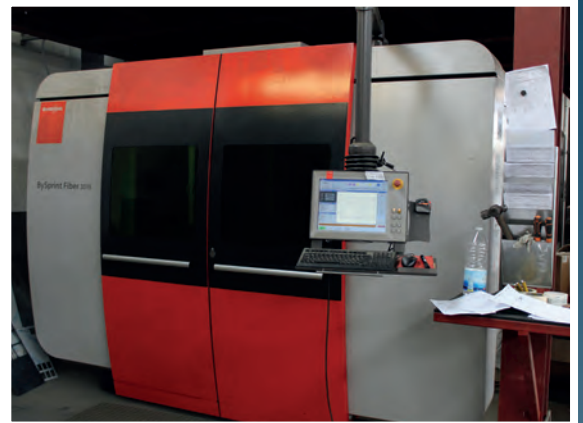
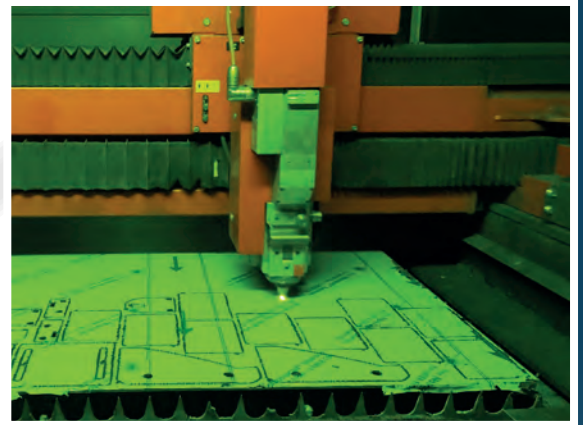
We pride ourselves on an extremely quick service. We do not compromise on quality nor price and guarantee outstanding reliability.

Our 3000 x 1500 capacity allows flexibility in sheet metal sizes and can cut a wide range of materials and we stock a full range of thickness's required.

- 0.1mm – 20mm Stainless
- 0.1mm – 20mm Mild Steel
- 0.1mm – 15mm Aluminium
- 0.1mm – 6mm Copper and Brass

Along with the laser cutter, another addition to the profiling department is the 320 ton CNC press-brake. The press-brake has a 4m bed, allowing the longest of profiles to be folded with ease. We have a huge range of tooling allowing us to fold the thick and intricate designs.

These two machines combined with our fully-fledged machine shop and workshop. Advance is truly a one stop shop for all your engineering requirements.



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Machining

Advance engineering has invested in the latest CNC machinery and tooling producing machined components to a high-quality standard. We offer high quality, precise machining at a fair competitive price. Our machining capabilities range from large quantities of batch work to "one off" components with production times that suit you.

Our machining facility offers a reliable friendly service going a step further to keep you as a customer happy. Using our multi-axis CNC lathe and high end CNC milling facilities we can make multiple components at a quick turnaround keeping a high standard of work.

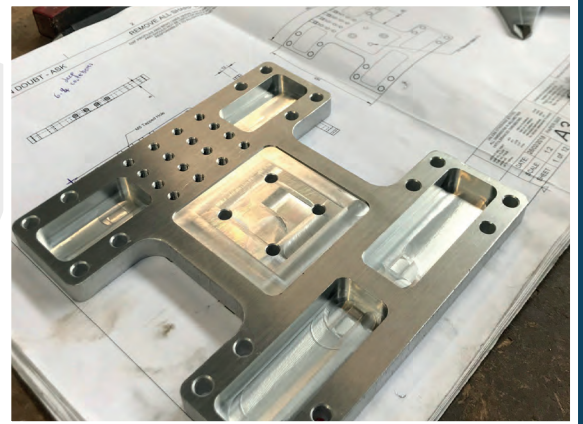
We are always pushing ourselves further and investing in high quality tooling to keep quality of work high to make you as a customer happy.

Machines

- Manual lathe
- CNC multi-axis lathe with live tooling and bar puller
- CNC milling facilities

Machining capabilities

- Precision machining
- Batch work with quick production
- Machining "one off" components
- Repairing of components
- Copying components exactly
- Keying
- Broaching
- Machine most types of materials
- Saving programs for quick turn around when customer returns
- Break down service



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Onsite Maintenance



All our on site engineers are fully trained and qualified to work safely and in a professional manor.

We work closely with each client and treat every task with same attitude. We have a 24hr call plan to assist and react to any given breakdown. We work on annual client outages all year round and supply extensive numbers of our experienced engineers and carry out PPM for clients and supply engineers for maintenance service contracts.

Advance have the ability to carry out small to large project installations to turnkey solutions, we work under the safe contractor status with full risk assessments and method statements and certification requirements provided.

Another service Advance Engineering supply are steel thickness testing and NDT testing with full reports and certification supplied on completion.



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Designs (2D & 3D)

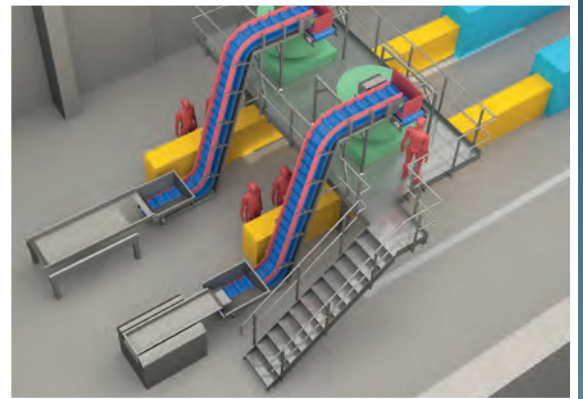
Our design team uses the most up to date software to produce accurate and detailed designs to manufacture and cater our customers' requirements.

Within the software we have the capacity to run stress calculations on new and existing builds if required which we can produce documentation with preliminary concepts. We can also offer 1 of our design engineers to attend sites to update existing drawing layouts or produce new site or production services layouts to bring customers records up to date.

We offer site power point presentations where we can present and discuss with our client the project prior to manufacture and installation to ensure the customer is satisfied that we have meet all their requirements.

Any project can be tailored to suit our customers needs

- 2D CAD
- 3D Inventor and Solid Works
- Photo renders
- P&ID
- Site layouts
- As built drawings
- Reverse engineering
- Site walkthroughs
- CAD CAM straight to our CNC machines and laser cutter



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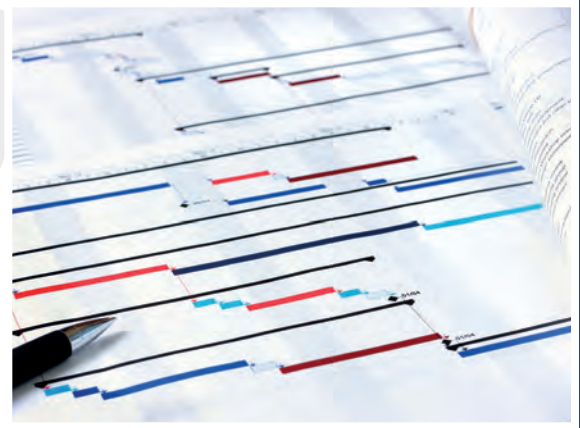
Project Management/CDM



At Advance Engineering, we have a combined 20 years' experience in the field, and have honed our skills and expertise as a mechanical service provider. Our outstanding level of professionalism and efficiency in every project we undertake has seen us prove ourselves to be an established figure within our industry, delivering the right solution for every single one of our clients, regardless of the size of the project, simple or complex.

We believe that giving high priority to a working relationship with our clients enables us to meet any required specification in the most cost-effective means possible, whilst still adhering to the time parameters we have been given. We take pride in our constantly expanding client base and our growing reputation as an efficient and mechanical service provider.

Advance Engineering can supply a skilled labour force to carry out on-site installation, maintenance and repair work. The ability to be flexible with our craftsman enables us to handle contracts both large and small on a turnkey basis. All Advance Engineering staff are trained to the highest standards and undergo regular reviews to ensure compliance with site standards. Advance Engineering operate under full Safe Contractor status and will provide full Risk Assessment, Method Statement and training certification for each site attendance. A copy of our standard rates can be supplied upon request.



Mechanical design and installation services include:

- Project management
- CDM co-ordination and management
- Principal contractor
- Machinery and equipment installation and relocation
- All types of welding (ranging from 4872 to bonding & solvent welding)
- Structural steelwork
- CIP solutions
- Planned preventative and reactive maintenance
- Energy & heat recovery systems

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Health & Safety



Advance engineering has dedicated huge resources within the company a culture throughout team where health and safety is paramount to keeping our business up to standard with current laws and customer specific requirements. We maintain a continuous personnel development of all our staff.

We ensure that our stringent policies are kept up to date with our own health and safety consultants, a dedicated safety tea and training advisory service

Below is just a sample of the training given to our employees

- Regular toolbox talks
- Lifting and slinging
- Forklift truck
- MEWP
- PASMA
- Confined space
- Manual handling
- Working at heights
- Safety harness
- Fire and fire extinguisher use
- First aid
- Asbestos awareness



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