

# Hygienic engineering design and fabrication at its best

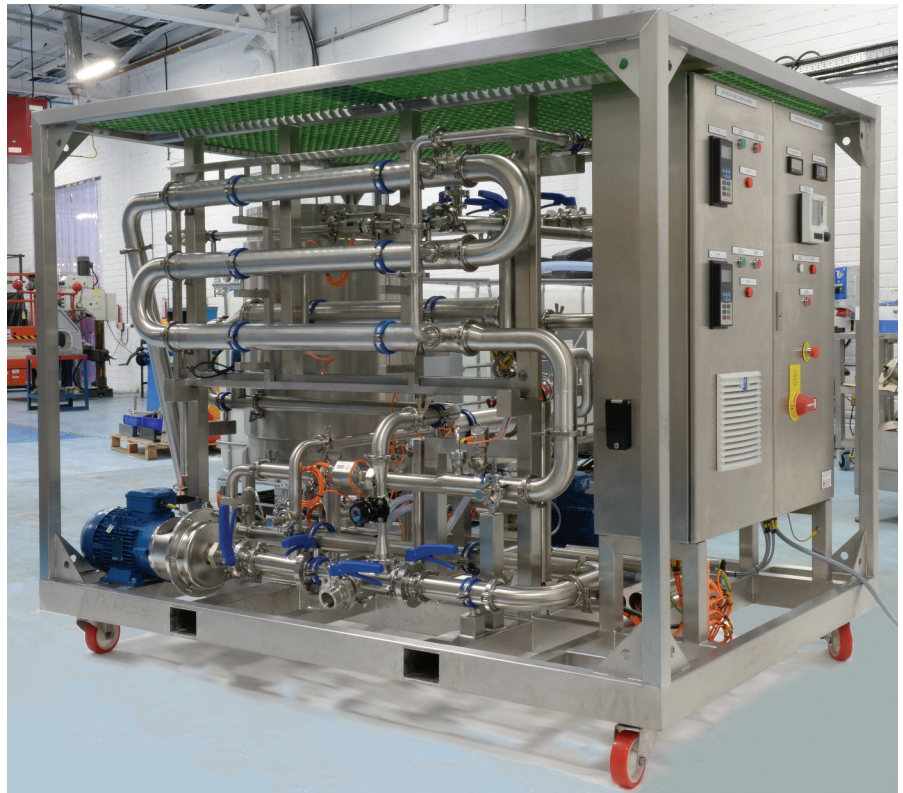
**S**wansea based Axiom Process, is one of the UK's leading hygienic engineering design and system solutions companies manufacturing bespoke process systems and stainless steel fabrications to a world-wide customer base.

The company's expertise has been built on years of diverse and practical experience designing and fabricating skids, frames and hygienic systems for many applications across a wide range of industries.

## Capabilities

Axiom Process' specialises in complex pipework and thin wall sheet metal fabrications, component customisation as well as high-end pharmaceutical process equipment and systems using a wide range of high performance engineering materials. Super alloys such as Hastelloy®, Titanium®, Inconel® and Monel®, are used on a daily basis for a wide range of applications.

Engineering design, procurement and manufacture is in compliance with PED, and ATEX Directives as well as EHEDG and ASME BPE hygienic specifications. FAT/SAT testing and



Axiom's typical projects include:

- Pipework fabrication, component customisation, up to high-end pharmaceutical process equipment and systems
- Filter Skids and Multiplex Filter Systems
- Mobile CIP skid units up to fully automated static stand alone CIP Systems
- Mixing Skids
- Ion Exchange Units
- MF, UF, NF, RO Membrane Filtration Plants – Pilot, Fully Automated, Mobile
- Tanks and Vessels
- Mobile Pump Skids incorporating flow meters and instrumentation
- Mix Proval Valve Matrix including support frames and drip tray
- Shell and Tube Heat Exchangers and Condensers Units



Pharmaceutical Grade CIP system complete with steam heat exchanger and accessories

operational training is conducted to the highest of standards.

## Product design and development

Using the latest 3D camera scanning software to give the best possible 3D experience, Axiom's design engineers work closely with customers helping to develop ideas, prototypes and commercial systems.

This is backed up by a team of qualified engineers who can give specialist advice relating to cost reduction in the manufacture of systems and components providing the best possible value for money in terms of design, fabrication and delivery.

**Every stage of an order is tracked by a dedicated engineer to ensure that all requirements are fully complied with whether it is for a simple pump frame, basic mobile CIP skid or a fully automated membrane filtration system**

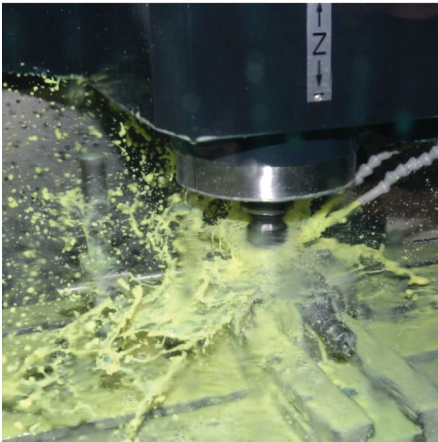
## Surface Finishing

Axiom offers a range of surface finishing techniques from descaled to 0.10µm Ra using bead blasting, mirror and electroplishing options.

Its team of polishers are trained to provide the level of finish required by the



Machined and fabricated components to customer specification



Committed to providing quality and value for money to its customers, Axium Process has earned its reputation as a specialist hygienic engineering company that understands and delivers exactly what the customer wants!

pharmaceutical and biotech industries using materials certified animal free of animal derived products (TSE free).

#### In-house Processes

- CNC equipped machine shop (Prototypes, one-off, batches)
- Orbital and manual welding, fabrication, pickling, passivation, ferroxyl testing
- Pressure and dye penetrant testing
- Bead blasting, mirror polish and electropolishing

#### Inspection, Traceability and Certification

Quality and control is paramount to Axium and as an ISO 9001:2015 certified company, Axium's Continual Improvement Process is continually under review ensuring that aspects of material selection, design, production, inspection, packaging and delivery conform to customer specification.



**Axium Process**  
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Axium Process is a 'One Stop Shop' specialising in design and customised fabrications, providing technical expertise and delivering engineering solutions to meet customer requirements