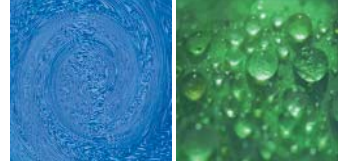


Manufacturing and Testing Excellence



SPP requires the highest standards of manufacturing excellence from its facilities around the world. This is crucial to the on-going growth and development of the company. At the main manufacturing facility located in the UK, SPP set the highest standards attainable in the industry for quality and reliability.

Unrivalled experience in design and manufacture, together with advanced computerised testing ensures a totally integrated SPP package for all applications.

Quality

All SPP sites are ISO 9001 : 2000 approved and are committed to providing a quality of work that ensures all pumps, parts, engines and motors are manufactured, serviced and repaired to original design specifications and manufacturing tolerances. SPP also comply with the demanding requirements of the UL, FM and LPCB approval standards for many of their fire pump packages.



SPP PUMPS

Manufacturing and Engineering Capabilities

SPP distinguishes its product split between pre-engineered standard products and fully customised equipment engineered and packaged to order. The extensive manufacturing and testing capabilities reflect this wide and diverse product range.

To ensure efficient use of production resources, an MRPII manufacturing planning system is utilised. Assembly areas are segregated into the main product groups; standard pumps, industrial fire pumps, contractors pumps and engineered products. The machine shop is planned in cell layout with individual cells specialising in types, or ranges of components. CNC machines are linked by a DNC system allowing programming to be carried out on the machine or offline.

A water wash spray booth is available for a variety of paint finishes to be applied. Additionally, special chemical coatings can be applied to pump internal surfaces for corrosion/erosion protection, or for enhanced performance. Products then go through a final inspection and examination; nameplates, notices, guards and manuals will be added, before a final quality check prior to the equipment being despatched.

Technicians and assembly staff can move between areas to maintain flexibility. Lean manufacturing principles also ensure that SPP are always focused on continuous improvement to support their 'Right First Time' philosophy. Customers are always welcome to visit the facility, either during manufacturing or when equipment is on test.

Manufacturing Capabilities

Assembly Area:	2150m ²
Test Area:	1100m ²
Machine Area:	2300m ²
Stores Area:	2800m ² Covered (not including open storage)
Service Area:	1100m ²
Office Area:	1800m ²
Total Area:	23,205m ²
Cranage:	Electric overhead cranes
Lifting Capacity:	20 Tonnes
Height Under Hook:	6.9m
Door Size:	5m wide x 5m high
Test Facilities:	1.4 million litre test tank 6m deep Pressures up to 50 bar Flows up to 2000 l/s Powers up to 800kW at 6.6kV 400kW at 415V 400kW at 60Hz
Welding Facilities:	Oxy/Acetylene, MIG and TIG Coded welders are subcontracted
Sub-Contractors:	Fabricators Heat treatment

Engineering Capabilities

SPP has a highly qualified, experienced and dedicated engineering design team based at the Coleford manufacturing site. Each professional engineer has extensive experience in all aspects of pump design, hydraulics, rotating machinery, electrical systems and package design. Using the latest CAD and engineering software, SPP's engineers have the capability and innovation to design completely new products or adapt existing products to suit customer requirements. SPP's extensive test facilities are available to rigorously prove any new designs.

Test Facility

Testing, including witness testing, of all SPP's range of pumps is performed at SPP's own extensive in-house test facility. The main test area has a 1.4 million litre test tank with a depth of 6 metres. It can test at pressures up to 50 bar, flows up to 2000 l/s and powers up to 800kW at 6.6kV, 400kW at 415V and 400kW at 60Hz. Generators can be used for higher powers or voltages.



Assessed to ISO 9001:2000
Certificate No. 111

SPP
PUMPS
www.sppumps.com