

# Manufacturing & Pre-assembly



## Manufacturing & Pre-Assembly – Improving Quality and Efficiency

For handling water, wastewater and chemicals, manufacturing in plastics maximises the life of the equipment. We manufacture in a wide range of plastics including uPVC, ABS, PVDF, Polypropylene & Polyethylene, with fibreglass reinforcement where necessary. Typically we design to BS 4994, BS EN 12573-2:2000 and BS EN 1778:1999, depending on the material.



Our engineers are trained and qualified to BS EN 13067:2012, the highest quality standard for construction of plastic structures. We design and manufacture a very wide range of items such as tanks, pump enclosures, scrubbers, valve boxes, brackets, skids etc. We then pre-assemble as much equipment as possible onto them. This can include instruments, mixers, pumps, automatic valves, interconnecting pipework and valves and so on. We also complete as much pre-wiring as possible, connecting either to local termination points, or a control panel as appropriate.

We test each pre-assembly as fully as practical. This includes hydrostatic testing of tanks, pressure testing of pipework, loop testing of wiring etc., all as appropriate to the particular pre-assembly and any specific requirements.

You can specify the number, size and type of connections, access, rails, baffles etc. as necessary for your project. Fixings are generally in stainless steel unless otherwise specified.



*Pre-assembly and testing **before** delivery to site minimises both on-site installation costs and inconvenience for you – it really is worth it!*



Where required, we can also provide a turn-key service including:

- Design & equipment procurement
- Manufacture, pre-assembly and factory testing
- Delivery to site, off-loading & positioning
- Pipework and electrical installation
- Start-up and commissioning
- Long-term service and technical support
- Spare parts
- Staff training

We supply to a very wide range of industries. These include:

- Electronics / semiconductor
- Aerospace & Defence
- Motor & components manufacturing
- Metals manufacturing & finishing
- Pharmaceutical / hospitals
- Laboratories & Clean rooms
- Food, Dairy & Beverages
- Leachate & Mining wastewater



Whatever size you need, we can provide a suitable system, big or small.

H+E has an ongoing philosophy of “Continuous Improvement”. This means that, with every pre-assembly we design and supply, we are constantly looking for any improvement that can be made, no matter how small. We take this concept seriously, carefully considering any comments from our clients & our own staff so that we can make everything “just a little better than the last one”.



What you can see here is a pre-assembly complete with tanks, bund, access platform, mixers, instruments, chemical dosing system etc., all pre-wired and tested in our factory. If you have a requirement, whether for a one-off fabrication, a series of parts, or a complete factory-built and tested system, please tell us exactly what you need and we will be pleased to discuss those needs with you.

### **Repeat Business**

For many of our clients, we have supplied upgrades or replacement of plants that we supplied many years before. We think it is reasonable to assume that such repeat business means that our customers are happy with the equipment and service that we provide.



**We would be very happy to discuss your particular needs with you.**

**Please do contact us!**

H+E ranks among the world's leading suppliers in the fields of: water & wastewater treatment, and energy efficiency. Based on its global presence, the **H+E GROUP** has completed projects in over 50 countries.



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