

Harwich Manufacturing Centre Custom Processing Capabilities



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Custom Processing Capabilities

Producing one-off products, new product development or coping with occasional peaks in demand can cause oil and chemical companies considerable difficulties. Haltermann Carless can help potential clients solve these problems by providing flexible, high quality custom processing services at its Harwich Manufacturing Centre. With its sophisticated distillation and blending facilities, and 500,000 tonne per annum capacity, Harwich is capable of producing large or small scale quantities of products to precise specifications, tailor-made to customer requirements.

Harwich is located on the east coast of England within easy reach of the major oil and chemical refineries of Europe. A deep water jetty, rail siding and road loading and off-loading facilities offer direct links into all modes of transport infrastructure.



Our processing units comprise:

- Batch Distillation – two batch distillation units which can also be linked together to operate as a single, two column distillation plant either fully continuously or in a semi-continuous mode.
- A four-column continuous distillation plant, principally designed for the fractionation of North Sea Gas Condensates (or similar streams such as Pipeline Interfaces or mixed hydrocarbon streams) into a variety of distillate fractions.
- A three-column continuous distillation plant designed primarily for high vacuum operation, with low internal pressure drop, to fractionate speciality Gas Oil and heavy Aromatic feedstocks at the lowest possible column base temperatures to minimise product degradation. It is, however, also possible to process North Sea Gas Condensates and Pipeline Interfaces on this plant.

In addition to the above distillation facilities the site offers the Perco sweetening process and soda lime treatment to improve product odour.

Others benefits of the site include:

- Continuous 24 hour per day, 365 days per year operation.
- A very experienced multi-skilled, multi-task 100-strong workforce.
- Jetty facility capable of handling vessels of up to 14,000mt displacement and 7.5m draught.
- 170 storage tanks, ranging in size from 12m³ to 15,000m³. Total storage capacity of 150,000m³ and heated storage can be made available.
- Extensively equipped laboratory facilities capable of conducting most industry standard tests for hydrocarbon products.

- High precision in-tank blending of multiple components to meet a bespoke customer specification.
- Pack filling for 25 & 50 litre cans, 200 litre drums and 1000 litre IBCs
- The Harwich Manufacturing Centre is a COMAH Upper Tier facility accredited to ISO 45001 for Occupational Health & Safety.
- Accreditations to ISO 14001 for Environmental Protection, ISO 9001 for Quality Assurance and ISO 50001 for Energy Management.

Additional Plant Details

Condensate Distillation Plant

Throughput up to 30mt per hour depending on feed composition. Typical processing campaigns of 1,000 – 10,000mt.

	Column 1	Column 2	Column 3	Column 4
Construction	Carbon Steel			
Operating Pressure	2.4 barg / full vacuum	2.4 barg / full vacuum	1.7 barg / full vacuum	3.0 barg / full vacuum
Heating Medium	Mineral Oil @ 298 °C			
Column Internals	40 Fixed Valve Trays	40 Fixed Valve Trays	20 Fixed Valve Trays	4 Stages Structured Packing

High Vacuum Distillation Plant

Throughput up to 25mt per hour depending on feed composition. Typical processing campaigns of 1,000 – 5,000mt.

	Column 1	Column 2	Column 3
Construction	Carbon Steel		
Operating Pressure	1.5 barg / Full Vacuum		
Heating Medium	Synthetic Oil @ 320 °C		
Column Internals	26 Valve Trays	36 Stages Structured Packing	36 Stages Structured Packing

Batch Distillation Plants

Throughput varies depending on operating mode and feed composition

	Batch Still 1	Batch Still 2
Construction	Carbon Steel	
Batch Capacity	45m ³	90m ³
Operating Pressure	2.04 barg / Full Vacuum	1.4 barg / Full Vacuum
Heating Medium	Steam @ 10 barg	
Column Internals	40 pairs Sieve Trays	43 Pairs Sieve Trays