

Cleanroom and Laboratory Equipment



**Laminar FlowWet Processing
Cleanroom Equipment ...Sterile Services Equipment
Fume Cupboards ...Fumigation Chambers...Transfer Hatches
...Endoscopy Equipment...Podiatry Equipment... Hospital and
Medical Equipment...Custom Build.....AND MORE!!!!**

<p>Wet Processing</p> 	<p>Laminar Air Flow</p> 	<p>Fumigation Chambers</p> 	<p>Transfer Hatches</p> 
<p>Fume Cupboards</p> 	<p>Clean Room Equipment</p> 	<p>Forensic Stations</p> 	<p>Endoscopy Equipment</p> 

Felcon equipment for

**Cleanrooms, Photo-Voltaic-Solar(Renewable Energy),
Semi-Conductor, Podiatry, Sterile Services, Forensic,
Endoscopy, Pharmaceutical, Research, Fibre Optic,
Earth Sciences, Museums, Pathology, Histology,
Necropsy, Mortuary Hospital/Medical**

**And much more.....
just take a look inside or visit the Felcon Web site on
www.felcon.co.uk**

Felcon Newhaven England

Cleanroom and Laboratory Equipment



Recent Felcon Projects



*Multi-Chamber BIBO
(Bag-In Bag-Out)
with
Safe Change HEPA and
Pre-Filtration with Positive Shut
off Dampers,
all in stainless steel.
Various sizes available to suit air
flow rates.*

*8 Glove Isolator
with
Grade B Airflow Characteristics
in
Stainless Steel with
Entry Pass Box
and
Push Button Height Adjustment.*



*Personnel Decontamination
Misting Shower
in
Stainless Steel with optional
Decon' media Dispense
and "Walk In" or "Walk
Through" usage*

Recent Felcon Products

Cleanroom and Laboratory Equipment



Laminar Air Flow

Laminar Air Flow is used throughout industry. The Felcon range has been developed over decades so suit each application. A combination of filtered air, laminar air flow and air flow patterns enable Felcon to offer units with Operator Protection or Product Protection or Environmental Protection or a combination of any of the above.

			
Vertical Laminar Air Flow Unit with Stainless Steel work zone	Vertical Laminar Air Flow Unit in Stainless Steel	Vertical Laminar Air Flow Module with Operator and Product Protection	Aerosol Reducer with Horizontal Laminar Air Flow

Laminar Air Flow with Operator, Product and Environmental Protection

		
Stainless Steel Laminar Flow Downflow Booth with Operator, Product and Environmental Protection	Powder Coated Steel Laminar Flow Downflow Booth with Operator, Product and Environmental Protection	Mobile Reverse Laminar Air Flow Drum Dispensing Booth with Operator, Product and Environmental Protection

Laminar Air Flow

Cleanroom and Laboratory Equipment



Laminar Air Flow Pharmaceutical Grade



Mobile Pharmaceutical Grade HLAFF with Product Protection



Pharmaceutical Grade Horizontal Laminar Air Flow Work Station



Close up showing optional Filter condition indication and Digital Laminar Air Flow Velocity Display



Pharmaceutical Grade Laminar Flow Module for Horizontal or Vertical Air Flow providing Product Protection



Close up showing optional arm rest for pharmaceutical Grade Laminar Flow Module

Laminar Air Flow

Cleanroom and Laboratory Equipment



Laminar Air Flow



Horizontal Air Flow with Static Ionisation



Personnel Air Shower



Mobile Cross Flow Laminar Air Flow Work Station



Mobile Vertical Laminar Flow Cabin



Vertical Laminar Flow Module

Laminar Air Flow is also used in other Felcon products. Take a look at Wet Benches in the Wet Processing Section or Transfer Hatches Section for example

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Wet Processing

Felcon Wet Processing tools are used where substrates or products require chemical etching or cleaning often as part of a larger manufacturing process typically in the manufacture of silicon wafers for example or in medical applications such as stent manufacture



Acid based Manually Operated Chemical Wet Bench



Solvent based Manually Operated Chemical Wet Bench



Laminar Flow Wet Bench



Chemical Handling Modules



Vertical Quartz Cleaner



Ultrasonic Parts Cleaner

Wet Processing

Cleanroom and Laboratory Equipment



Wet Processing Baths and Fitments

		
Ambient Temperature Bath with Heater and Chiller	Constant Temperature Quartz Bath	Heated PFA coated Stainless Steel Bath
		
Solvent Filtered Recirculation Bath	Ultra Sonic Bath	Nitride Etch Bath with Condensing Coil
		
Spin Developer Bath	Mega Sonic Bath	Acid Filtered Recirculation Bath
		
Automated Quick Dump Rinse Bath	DI Overflow Weir Bath	Glove Wash

Wet Processing

Cleanroom and Laboratory Equipment



Automated Wet Processing



Fully Automated Laminar Flow Wet Bench



**Semi Automated Twin Bath
BOE Station**



Semi Automated Rotary Etch Station

Wet Processing

Cleanroom and Laboratory Equipment

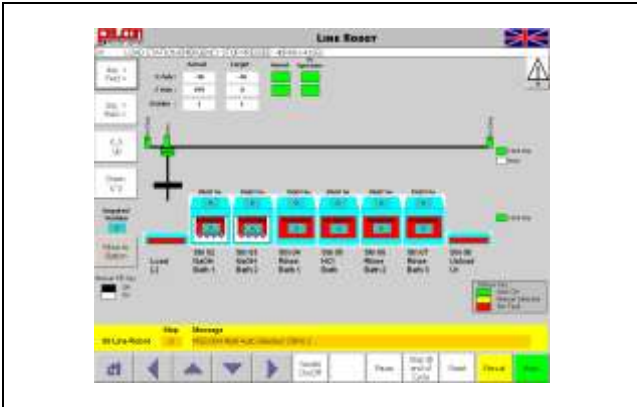


PV (Photovoltaic) Fully Automated Wet Processing

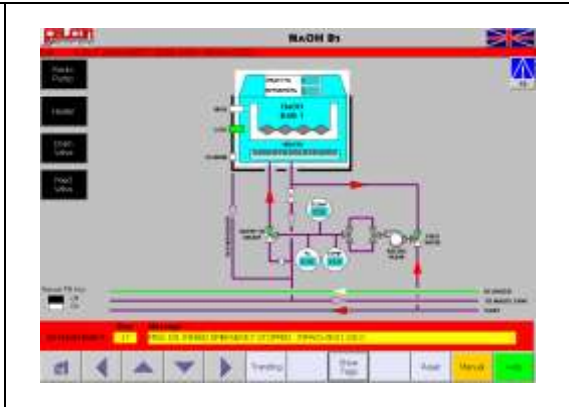


Felcon Automated Substrate Wet Processing Station.

Wet Processing



Man Machine Interface Controls



Real Time Process Information

Cleanroom and Laboratory Equipment



Cleanroom Equipment and Accessories

Felcon Cleanroom Equipment and Accessories are often used by Cleanroom builders when building a new facility as well as Cleanroom Users. As with all Felcon products these are able to be designed and built to suit an application. Just contact Felcon Sales

<p>Stepover Barrier with swivel seat and Clean Garment Storage shelves</p>	<p>Rapid Exit Panel</p>

<p>Document Pass Through</p>	<p>Polypropylene Stepover Barrier with optional Stainless Steel top and optional bootie locations</p>	<p>Cleanroom Magnahelic Gauge Panel</p>

Cleanroom Equipment

Cleanroom and Laboratory Equipment



Cleanroom Equipment and Accessories



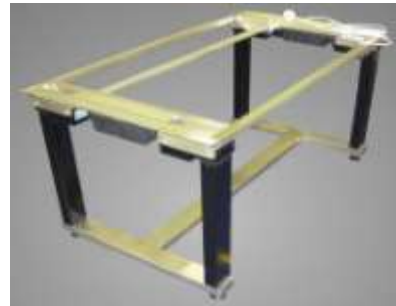
Mobile Stainless Steel Cupboard Trolley



Mobile Sink and Cupboard array



Battery Powered Height Adjustable Trolley



Four legged height adjustable bench



Mobile Stainless Steel Cupboard with Drawer



Stainless Steel Bench with Cupboard

Cleanroom Equipment

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Cleanroom Equipment and Accessories



Mobile Polypropylene Cupboard



Polypropylene Table



Stainless Steel perforated Cleanroom Table



Cleanroom Anti Vibration Table



Mobile Stainless Steel Trolley



Heavy Duty Mobile Stainless Steel Trolley

Cleanroom Equipment

Cleanroom and Laboratory Equipment



Cleanroom Equipment and Accessories



Mobile Stainless Steel Shelves



Combination Shelves and Locker Cabinet with Digital locks and adjacent Tall Storage Locker



Polypropylene Cupboard with clear doors



Stainless Steel Cupboard

Cleanroom Equipment

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Sterile Service Departments



Automated Washing Machine Loading Device



Theatre Tools Automated Transfer Hatch



Autoclave Loading and Unloading Device avoiding Operator contact



Pass Through Drying Oven with low level Transfer Hatch



Push button operated Height Adjustable Worktable



Complete Conveyor Transfer Systems



Infectious Waste Transfer Cart to UN3291

Sterile Services Departments

Cleanroom and Laboratory Equipment

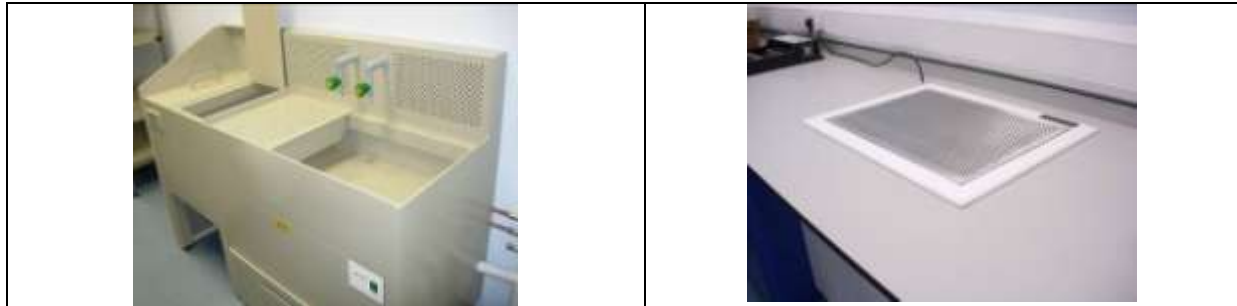


Forensic Laboratories

Forensics



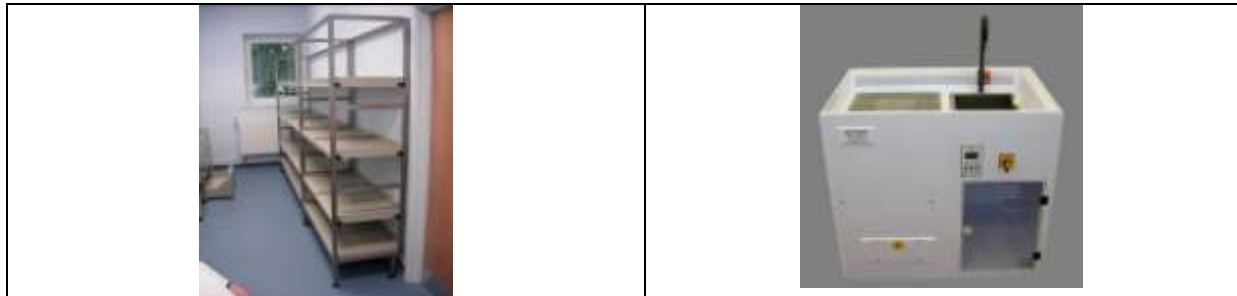
Evidence Drying Station **Fingerprint Downdraft Pod**



Dye Stain Sink with Carbon filtration **Downdraft Pod with Carbon filtration**



Forensics Chemical Process Sink **Darkroom Sink with Carbon filtration**



Evidence storage and drip drying **Downdraft Bench with sink and**

Cleanroom and Laboratory Equipment



Rack	Carbon filtration
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Fume Cupboards and Downdraft Units



<p>Ducted Fume Cabinet available in all polypropylene (acid based) or all stainless steel (solvent based) with bypass air flow characteristics</p>	<p>Ductless Fume Cupboard offered with a range of carbon and or particulate filters. This type of unit when selected correctly avoids the need for extraction ductwork as with a Ducted Fume Cabinet</p>
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<p>Height adjustable Downdraft Bench in Stainless Steel with a range of worktop fitments and filtration for either recirculatory or extracted applications</p>	<p>Downdraft Bench complete with a range of worktop fitments and filtration for either recirculatory or extracted applications</p>
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Felcon also build chemical fume cabinets which are used where larger amounts of acids or solvents are used. Take a look at the Wet Processing Section of this

Fume Cupboards and Downdraft Units

Cleanroom and Laboratory Equipment



leaflet

Fumigation Chambers



Felcon Fumigation Chambers for fumigation on entry and/or exit to a facility. Suitable for use with a wide range of fumigants such as Hydrogen Peroxide



The range of Felcon Transfer Hatches are also often used in areas where fumigation is used, especially the stainless steel Hatches. Although without the added features of Fumigation Chambers the regular Transfer Hatches offer a cost competitive

Cleanroom and Laboratory Equipment



alternative. Take a look at the Transfer Hatch section

Transfer Hatches

		
Stainless Steel Mechanically Interlocked Transfer Hatch	Lead Lined Stainless Steel Electrically Interlocked Transfer Hatch	Polypropylene Mechanically Interlocked Transfer Hatch

		
Single Door Stainless Steel Transfer Window	Stainless Steel Mechanically Interlocked Twin Leaf Trolley Hatch	Close up Hatch Knobs and Interlock

	
Wet Dunk Tank Transfer Chamber with UV Dry Hatch	Pharmaceutical Grade Multi-Door Drum Transfer hatch with Laminar Air Flow

Transfer Hatches are mostly used for product or trolley transfer. The Felcon Personnel Air Shower is very similar but used to transfer personnel from room to

Transfer Hatches

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room. Take a look at the Air Shower information in the Laminar Air Flow Section

Endoscopy



Endoscope Cleaning Station with Push Button Height Adjustment

Endoscopy

Podiatry



Downdraft Pod with carbon filtration. Suitable for mounting into existing worktops



Oven Extraction Hood for Odour Extraction with optional Carbon Filtration

Podiatry

Sample Custom Design Units



Custom design VLAFF/PTH/MSC Combination for the Pharmaceutical



Custom design Chemical Fume Cupboards in all polypropylene

Custom Design

Cleanroom and Laboratory Equipment



Industry

All Felcon equipment, Stainless Steel or Thermoplastics is built in its own manufacturing plant in Newhaven. With an in-house design team of Mechanical, Electrical, Software and Test Engineers Felcon are able to design and build to suit an application large or small.



In-House Design

In-House High Grade Thermoplastics Fabrication

In-House High Grade Stainless Steel Fabrication



Felcon's modern factory in Newhaven England

How to get to our factory



Felcon have supplied throughout the world since 1971 with its' H.Q.in England and representation in the Middle East, India and the Far East.

Felcon Newhaven England

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