

laboratory furniture

Customer-oriented | trustworthy | innovative



mission statement | vision

Customer-oriented | trustworthy | innovative

Fifty years in the lab fit-out business has made POTTEAU-Labo a concept in the world of laboratory furnishings. POTTEAU-Labo offers a wide range of high-quality laboratory furniture and fume cupboards for the Healthcare, Educational and Industrial sectors including the chemical, pharmaceutical and food industry.

POTTEAU-Labo provide a comprehensive project service from design to installation. In cooperation with the customer, architect and consultant, we offer products that comply with the latest Standards. They consist of excellent design, extremely precise fabrication techniques and solid construction in exchangeable stiles. They are supremely flexible, diverse and based on ergonomic principles. Since all parts are manufactured inhouse we can also offer custom made solutions to meet everybody's individual needs.



All our products can be delivered with integrated electrical and mechanical services.
Potteau labo are accredited ISO9001-2008 for its quality management system, applicable to the design, production and delivery of laboratory furniture.

Potteau labo cares about:

- 1/ High-quality and custom made furniture that satisfies the demands and expectations of our customers
- 2/ Offering all means of support to enable employees to carry out their activities professionally and in the best conditions.
- 3/ Using a quality management system to enable the employees in the company and on site to work efficiently
- 4/ Qualified and experienced employees
- 5/ Environmentally-friendly production conditions. In 2009 we installed 2100 solar panels which guarantee 26% of our electricity consumption
- 6/ Innovation. In 2012 we developed a new innovative range of lab benching (Chromosome type). At the same time our fume cupboard has been redesigned and optimised for performance and styling.



Recently we developed a new innovative range of lab benching according to the "user-optimised design" principle by which the needs of the end users is the basic principle.

The objective of this project was to create a practical lab bench with a stylish appearance.

After examination we decided to develop two new bench types: the X chromosome and the Y chromosome bench.

Both are modular and can be produced in any length dependant on the situation and choice of the customer or architect. They can both be adjusted in height and equipped with all possible combinations of storage units and accessories.

Forward leaning service bridge:

- The forward leaning service bridge provides better access to the electrical services.
- Thanks to the large span of the bridge (up to 3m), no extra support is needed which creates a completely free working space.
- The bridge can be provided with several accessories like g monitor supports, book supports, pipette storage containers, ...

These accessories can be placed and replaced anywhere on the electrical trunking.

- ED lighting can be fitted into the bridge.
- The shelf on the bridge can be provided in glass or solid grade laminate.



Trays

Labelled and coloured trays can be placed on top of the service bridge. These trays ensure replacement of their content to the worktop and back easy. They also make a clear arrangement on the bench possible.



The aluminium support frame of the worktop offers more advantages:

- A free span up to 3m
- Extra support legs for heavy loading can be added easily, also after installation of the bench
- Benches can be shortened or extended easily
- The underbench units can slide over the total length of the bench

Under this structure, the X and the Y bench support leg can be fixed.

X and Y bench support legs are adjustable in height and can be used for sitting and standing height.



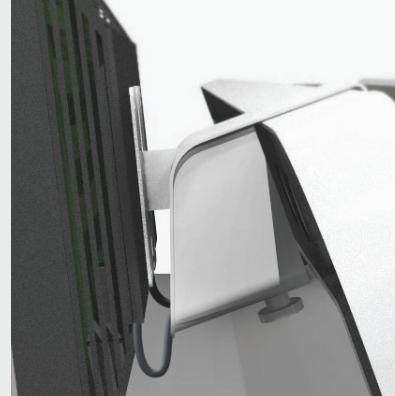
Book holders and needle disposal containers

The book holders and syringe needle disposal containers click anywhere on the service bridge and can be replaced easily.



Additional "lay on" worktop

Worktops of superior chemical resistance in the material of your choice (e.g. ceramic stoneware tiles), moveable on the standard worktop in solid grade laminate.



Monitor supports

The monitor supports click on the service bridge and rotate in any direction. They can be replaced easily on the bridge.



Extra features of the Y bench support frame

- No support leg protrusion into the space below the worktop.
- Infill panels can easily be fitted between support legs.
- As an option this bench can be adjusted in height electrically.

type VU

The underbench units are suspended from a self-supporting metal structure that consists of C-frames, interconnected by metal span rails.

The user can adapt the position of the units and knee spaces to their choice by simply moving the units which slide on the metal span rails. The supports are designed to leave maximum free space between and under the units. This makes working at the knee spaces pleasant and cleaning easy even under the furniture. The metal frames can be provided with infill panels on the ends and the back so that mechanical and electrical services are covered.

Appearances also count. Elegance. The underbench units give the impression floating and the visible parts of the metal support structure can accentuate this revolutionary concept in an appropriate colour combination.



type MF - MR

AA metal self-supporting structure with H-frames form the basis of this system.

The worktop is fixed onto the metal support frame.

The underbench units complete this system by two alternative methods:

- Type MF: the units sit on omega metal profiles fixed to the support frames
- Type MR: the mobile units are provided with four castors (two locking) and roll under the worktop between the support frames. The top side of the MR units are finished to serve as a writing desk when rolled out from under the bench

Flexibility is the main advantage of this system. The number of underbench units has no influence at all on the stability of the bench. Likewise, the units and knee spaces can easily change place.

The metal frame, composed of tubular profiles is finished with an acid-resisting epoxy coating. Any unevenness in the floor is accommodated by means of adjustable height feet under each leg frame.



type F

The Type F system consists of 3 main elements:

- A fixed wooden plinth
- Underbench units supporting the worktop
- The worktop

This fixed wooden construction offers the maximum price/quality ratio. The completely closed construction, with acid-resisting sealed plinths is extremely maintenance-friendly. Penetration of water or undesirable substances in or under the furniture is impossible. With this system the useful storage space of the underbench cupboards and drawers is maximised.



custom made

Thanks to our experience in several countries and extensive commercial activities we can offer a wide range of standard products, tested throughout the years to be appropriate in any application. As all parts are manufactured inhouse we can also offer custom made possibilities to meet everyone's individual needs.

e.g.:

- The lab furniture can be adjusted in height stepless: the overbench units, underbench units, service ducts and worktops fix into aluminium profiles integral to the partition walls that are also fabricated by POTTEAU-Labo. The taps can easily be replaced or added by means of flexible piping.
- School furniture: mini islands with integrated services.
- Star-shaped lab benches fabricated in Corian®.



Potteau

F-LOW cupboard in compliance with EN14175

patent pending

Together with the realisation of the X and Y chromosome benches, we also developed a new fume cupboard with the following objectives in mind:

- Lower energy consumption by optimising the extraction
- Safety for the user
- Maximum possible sash opening and internal space
- Minimum possible seams, edges and unreachable spaces
- Optimal, stable and silent working of the sash
- Elegant appearance

The new fume cupboard constitutes unknown quality and innovation:

- A lot of extra internal space thanks to the new extraction system without baffles
- The internal space has rounded edges and is fabricated in chemical resistant polyester (more chemical resistant than melamine, laminate or epoxy powder coated steel)
- The rounded edges and the absence of baffles create an internal space that is seamless and easy to clean
- Sash and services are located in one removable element which makes installation and maintenance very easy.
- Extra security because the sash has double safety so that the sash still functions in case of a broken cable.

low flow

The energy consumption of a fume cupboard can bring about high costs. That's why we are searching for a solution to lower the extraction flow whereby safety is guaranteed.

At this moment the energy saving of this fume cupboard is approximately 20% compared to the conventional design.

The development of this cupboard will be optimised in the next months to become even more energy efficient.

hygiene

The internal space is finished in chemical resistant polyester with rounded edges. These rounded edges and the absence of baffles create a larger internal space that is seamless and easy to clean.

sash

The sash and the counter balance system are located in one removable element which makes installation and maintenance very easy.

bypass

The bypass grille ensures a constant airflow velocity into the fume cupboard even when the sash is closed.

security

Extra security because the sash has double safety so that the sash still functions in case of a broken cable.



EN cupboard in compliance with EN14175

The main requirement in designing the EN fume cupboard was ensuring its reliability and safe service. The worktop airfoil, the aerodynamic side stiles, the design and dimensions of the baffles are specifically designed to prevent turbulence which can lead to fume emitted from the fume cupboard towards the user.

The double sash offers a maximum view into the fume cupboard.

Mechanical and electrical services on the horizontal control panel can quickly be extended or replaced.

The storage space under the control panel can be fitted with drawers, cupboards with sliding doors, safety storage cabinets, etc.

Depending on the use of the fume cupboard, worktops are available in solid grade laminate, ceramic tiles, stainless steel, polypropylene, epoxy resin, etc.

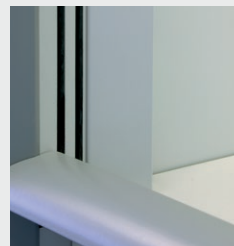
The fume cupboards can be provided with ceiling infill panels.

Extraction systems can serve an individual fume cupboard or a number of fume cupboards by means of a common extract system.



air flow control

The control panel at eye level in the side stile of the fume cupboard monitors the safe working conditions.



worktop airfoil

The airfoil provides an efficient extraction at worktop level.



double sash

Because of the double sash in laminated safety glass, the sash doesn't rise above the fume cupboard in either working or set-up position which makes it possible to install the fume cupboard in rooms with a low ceiling.



storage space

A range of underbench units is available for low level storage.



air flow baffles

Baffles in solid grade laminate ensure an optimal extraction and constant inflow of air via the sash.



Potteau

laboratory furniture

Potteau labo | Zuidstraat 24-32 | 8501 Heule | België
T 0032 (0)56/ 36 33 33 F 0032 (0)56/35 78 06
info @potteau.com | www.potteau.com

