

Benches

Our range of laboratory benches are developed to meet our requirements for quality, flexibility, modularity and ergonomics. With its range of benches, Burdinola offers a wide range of possibilities to cover the different needs of laboratories and their users. It has three types of support frame, in addition to an option on storage modules, two heights, five bench depths and lengths which, combined with the wide range of work surfaces and service systems, offer more than 3,000 possible combinations, allowing our customers to choose the most appropriate option depending on their needs and applications within the laboratory.

Range of benches



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Characteristics

Asepsis.

Quality of finishes, thanks to the good execution of our assembly teams and a design that minimises joints.

Hygiene.

The number of joints has been minimised as far as possible. In addition, they have an antihumidity skirting board finished to the floor to facilitate cleaning and maintain aseptic conditions.

Robustness.

Very sturdy benches with selfsupporting frames made of tube sections of 60 x 30.

Adaptability.

The variety of types of bench pedestals makes it possible to install N, C or cantilever type pedestals, depending on the needs of the workplace.

Space.

C and cantilever (T) frames stand out for offering a more diaphanous space under the bench. (T) They make it possible to accommodate suspended and wheeled storage elements.

Durability.

Heat-hardened powder coating, resistant to chemical attack, impact and abrasion. Assured levelling. The benches have a levelling system in contact with the floor and at the top for worktops that need it.

Suitability for use.

The wide range of work surfaces covers different laboratory requirements. We look for the suitability of work surfaces depending on your needs: vitrified stoneware, glass, compact laminate with HPL phenolic resin, stainless steel, polypropylene, epoxy or post-forming.

Reconfigurability.

Because we know that plans change, that needs are not always the same, the reconfigurability of the post allows a centre bench to be converted into two wall benches with their respective service systems, thanks to the fact that each wall bench has its own self-supporting frame and independent service system, does not share the same column and that gives us total freedom.

Flexibility.

Thanks to the mobility of our underbench storage modules (suspended, on wheels) we can adapt the laboratory workspace at any time without the need for tools, or more help than moving it sideways gently. Our modules are mounted on a track that allows our laboratory to always be in the right configuration.

Worktop types.

	Application	Advantages	Limitations
High-pressure laminate with resistance to chemical attack (HPL)	Chemical laboratory.	Smooth surface with minimal joints.	Mechanical strength (abrasion).
	Microbiological laboratory	Humidity-resistant.	
	Humid premises.	High resistance to chemical attack.	
		Antibacterial.	
Technical stoneware	Chemical and mechanical laboratories.	High resistance to chemical agents.	Damaged by hydrofluoric acid.
		High mechanical stability.	Maximum thermal shock temperature of 70°C.
			Silicone joints.
Glass	Chemical and mechanical laboratories.	Smooth surface.	Damaged by hydrofluoric acid.
		High resistance to chemical attack.	Sensitive to knocks on corners.
			Silicone joints.
Stainless steel	Biological, radioactive laboratory.	High resistance to humidity and solvents.	Sensitive to acids, halogenated products and their derivatives.
	Washing areas and humid premises.	Seamless surface.	
		Ideal for laboratories that require decontamination.	
		Design possibilities: Perimeter barrier/rim.	
Polypropylene	Workstations where office work is carried out.	Seamless, smooth surface.	Scratching: soft surface.
	Washing area.	Avoids glass breakage by knocking.	Sensitive to high temperatures.
	Work with hydrofluoric acid.	Design possibilities: Perimeter barrier/rim.	
High-pressure laminate (HPL)	Chemical, physical or mechanical laboratory.	Humidity-resistant.	Concentrated acids > 10% damage it.
	Medium duty benches (control laboratories).	Smooth surface.	Mechanical strength (abrasion).
	Benches for analytical equipment.		
Post-formed	Workstations where office work is carried out.	Smooth surface.	Low chemical resistance.
			Edges sensitive to humidity.
Epoxy	Chemical, physical or mechanical laboratory.	Solid material.	Sensitive to scratching.
		High mechanical strength.	Sensitive to concentrated acids.
		Smooth surface with silicone joints.	

Assembly sequence.



Benches with a frame



The range of BECOME benches is designed, manufactured and certified in accordance with EN-13150 standard. It meets all of its dimensional, safety and test requirements, making it an ergonomic, safe product. Based on criteria of flexibility and future reconfigurations, the centre and wall bench modules are independent of each other. It has metal frames of great stability and robustness, with a coating that protects them from abrasions, impacts and chemical attacks.

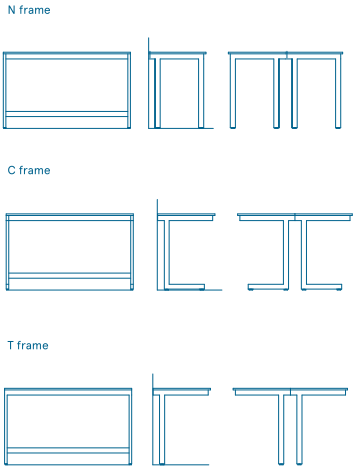
Modelos



Worktop finishes

- High-pressure laminate with chemical resistance (HPL).
- High-pressure laminate (HPL).
- Post-formed.
- Stainless steel.
- Polypropylene.
- Technical stoneware.
- Glass.
- Epoxy.

Drawings



Technical characteristics

Module (mm)	600 900 1.200 1.500 1.800
Depth (mm)	600 675 750 825 900
Height (mm)	740 900 (for benches with an additional N stand) 500
Service compartment	Consult diagrams depending on the type of stand and depth.
Load capacity (kg) (*)	200 kg per module.
Frame	Self-supporting frames made of tube sections of 60 x 30 mm, with a heat-hardened powder coating.
Skirting board	Anti-humidity skirting board finished to the floor and resistant to cleaning water and abrasive products
Worktop	See table of qualities.
Rolling system	Makes it possible to put suspended modules in place that can be moved along the bench.
Certification	EN-13150
Service compartment: passage for pipes under benches (mm)	150 minimum (depending on depth).
Environmental certification	Cradle to Cradle EPD.

All dimensional data Tol: +/- 5mm.
(*) Benches that have T "cantilever" type stands must be fixed to the wall when they are wall benches or to the floor when they are centre benches.

Benches without a frame



The range of BECOME benches is designed, manufactured and certified in accordance with EN-13150 standard. It meets all of its dimensional, safety and test requirements, making it an ergonomic, safe product.

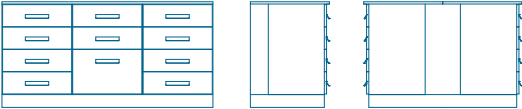
Laboratory benches created from configurations of storage units with a skirting board. This solution offers great robustness and high storage capacity, with a great variety of storage units that optimise order in the laboratory.

Modelos

Worktop finishes

- High-pressure laminate with chemical resistance (HPL).
 - High-pressure laminate (HPL).
 - Post-formed.
- Stainless steel.
 - Polypropylene.
 - Technical stoneware.
- Glass.
 - Epoxy.

Drawings



Mobile benches



Made of a cold rolled steel tube frame and a 20 mm thick high pressure laminate worktop with chemical resistance (HPL). These models have 4 nylon wheels (two with brakes) of high strength. In the lower part, it can have a panel or shelf, gap, or gap combined with space for storage, with it being possible to incorporate a great range of available storage units (see chapter 4).

Models



1. Mobile bench with lower shelf



2. Mobile bench with gap



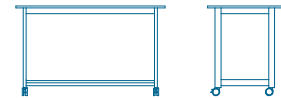
3. Mobile bench with gap and storage

Worktop finishes

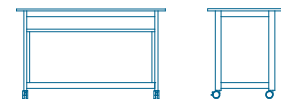
- High-pressure laminate with chemical resistance (HPL).
- High-pressure laminate (HPL).
- Glass.

Drawings

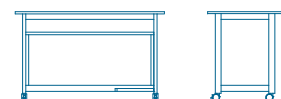
Mobile bench with lower shelf



Mobile bench with gap



Mobile bench with gap and storage



Technical characteristics

Models	Mobile bench with lower shelf	Mobile bench with gap
Module (mm)	600 900 1.200 1.500 1.800	900 1.200 1.500
Depth (mm)	600 750 900	750
Height (mm)	740 900	
Load capacity (kg)	150kg per module.	150kg per module.
Frame	Self-supporting frames made of tube sections of 60 x 30 mm, with a heat-hardened powder coating.	
Wheels	4 or 6 nylon wheels (without module). The front wheels have brakes.	
Worktop	See table of qualities.	
Optional: Retractable wheels	They have a retractable system that makes it possible to move the bench or immobilise it with Silentblock support.	
Optional: Storage	Allows modules to be placed on a lower shelf (see chapter on suspended modules)	
Optional: Bench connectors	Accessory for fixing benches together, to make connecting and releasing benches easy.	
Certification	EN-13150	
Environmental certification	Cradle to Cradle EPD.	

All dimensional data Tol: +/- 5mm.

Details / Accessories



Accessory for fixing benches together



Wheels



Retractable wheels



Mobile service columns

Height-adjustable benches: Type A



The range of BECOME adjustable benches is designed and manufactured in accordance with EN-13150 standard. It meets its dimensional and safety requirements, making it an ergonomic, safe product. They are fully adjustable in height, the user can change the height of the bench during use, to adjust it to their needs: working seated, standing or interchangeably, it has the ability to memorise 4 adjustment positions to meet these needs.

Models



1. Functional unit



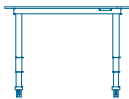
2. For equipment

Worktop finishes

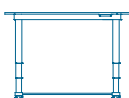
- Post-formed.
- High-pressure laminate with chemical resistance (HPL).
- High-pressure laminate (HPL).
- Tempered glass.

Drawings

Functional unit



For equipment



Technical characteristics

Module (mm)	1.200 1.500 1.800
Depth (mm)	750 900
Height (mm)	From 750 1250
Load capacity (kg)	80kg per module.
Frame	70 x 70 mm square telescopic column.
Functional unit version wheels	4 nylon wheels (without module). The front wheels have brakes.
Equipment version wheels	They have a retractable system that makes it possible to move the bench or immobilise it with Silentblock support. They have greater stability for working with equipment.
Worktop	See table of qualities.
Controller	Low power consumption in standby mode ≤0.3 W. Soft start and soft stop. Protection against overload. Dimensions: 264 x 103 x 37 mm. Input voltage: 230 V/50 Hz. Output voltage: 288 VA (2-leg) 24 V DC. Operation time: 10% at maximum (1 min./9 min.). Controls for EU and US voltages available.
Adjustment speed	32-35 mm/sec.
Optional: Storage	Allows modules to be placed on a wheels (see chapter on suspended modules)
Accessibility	Type A bench in accordance with EN 527-1 classification

All dimensional data Tol: +/- 5mm. Minimum height: in accordance with the ergonomic criteria stipulated by EN 13150.

Detalles / Accesorios



Opcional columnas de servicios fijas o móviles



Switch manual para el control de altura



Dispositivo de fijación entre mesas

Height-adjustable benches: Type B



The range of BECOME adjustable benches is designed and manufactured in accordance with EN-13150 standard. It meets its dimensional and safety requirements, making it an ergonomic, safe product. These benches are height-adjustable during installation and adjustment. These are benches that are used to work seated or standing, with a different range of adjustments for the two cases.

Models



1. Adjustable bench with SSF



2. Adjustable bench with SSV



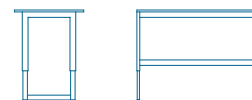
3. Adjustable bench with SSA

Worktop finishes

- High-pressure laminate with chemical resistance (HPL).
- Polypropylene.
- High-pressure laminate (HPL).
- Stainless steel.
- Post-formed.
- Epoxy.
- Technical stoneware.
- Glass.

Drawings

Adjustable



Mobility

Mobility of benches



Technical characteristics

Module (mm)	1.200 1.500 1.800
Depth (mm)	600 750 900
Height (mm)	Desde 740 900
Height (mm) Tiered	20
Load capacity (kg)	200kg per module.
Frame	Self-supporting frames made of tube sections of 60 x 30 mm, with a heathardened powder coating.
Levelling	They have a levelling system in contact with the ground (+/- 10 mm).
Worktop	See table of qualities.
Rolling system	Makes it possible to put suspended modules in place that can be moved along the bench.
Optional: Storage	Allows modules to be put in place, with wheels or a skirting board (see chapter on suspended modules).
Certification	EN-13150
Environmental certification	Cradle to Cradle EPD PFCE.
Accessibility	Type B bench in accordance with EN 527-1 classification

All dimensional data Tol: +/- 5mm. Minimum height: in accordance with the ergonomic criteria stipulated by EN 13150

Benches for instrumentation



Benches specially designed for instrumentation equipment. These benches are designed under the “plug-in unit” concept which gives flexibility to the unit, made up of the equipment and the bench, thus making both maintenance work and future modifications and/or extensions easy. They allow easy access to the back of the instrument, as well as making the most of the space available. In the version with wheels, their antivibration system ensures that the equipment works properly and also preserves its ergonomics and safety.

Models



1. Mobile bench for instrumentation

Worktop finishes

- High-pressure laminate with chemical resistance (HPL).
- High-pressure laminate (HPL).

Drawings

Technical characteristics

Module (mm)	900 1.200 1.500 1.800
Depth (mm)	750 825
Height (mm)	540 740 900
Load capacity (kg)	200kg per module.
Frame	Self-supporting frames made of carbon steel tubes, with different sections available depending on their application, with a heat-hardened powder coating.
Retractable wheels	They have a retractable system that makes it possible to move the bench or immobilise it with Silentblock support.
Worktop	See table of qualities.
Optional: Wheels	4 or 6 nylon wheels (without module). The front wheels have brakes.
Optional: Storage	Allows modules to be placed on a lower shelf (see chapter on suspended modules)
Certification	EN 13150
Environmental certification (*)	Cradle to Cradle EPD PFCE.

All dimensional data Tol: +/- 5mm. (*) See models.

In cases where the instrumentation benches form groups of wall or centre benches, they shall have an open space on the side to make it possible to access the rear wheels.

Details / Accessories



The interior is lined with acoustic insulation foam, which allows an average sound absorption coefficient of 65% Anti-overheating safety system with activation of extraction on reaching 35 °C.



SCAT waste recovery system. See SCAT components document.

- Waste collection system.
- Waste module.
- Drum/container.
- Capillary collector cap.
- Filter.
- Filling alarm.
- Connection.
- Soundproof module.
- Conduits for services.
- Support for screen / keyboard.
- Column storage

Benches for sampling



Benches specifically designed for sampling solids and liquids. They have a self-supporting metal frame fitted with stands and connection frames, made of cold rolled steel tube. This frame is protected by means of a heathardened powder coating based on epoxy resins (epoxy-polyester powder) resistant to acids, bases and alkalis, as well as to knocks and abrasion. They have a levelling system housed in their base, as well as a service compartment at the rear, where the different lines for feeding and discharging different fluids are fixed.

Models



1. Sampling of solid foods



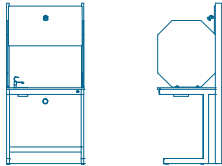
2. Sampling of liquid foods

Worktop finishes

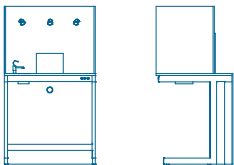
- High-pressure laminate with chemical resistance (HPL).

Drawings

Sampling of solid foods



Sampling of liquid foods



Technical characteristics

Module (mm)	900
Depth (mm)	900
Height (mm)	740
Service compartment	Consult diagrams depending on the type of stand and depth.
Frame	Self-supporting frames made of tube sections of 60 x 30 mm, with a heathardened powder coating.
Worktop	High-pressure laminate with chemical resistance (HPL).
Rolling system	Makes it possible to put suspended modules in place that can be moved along the bench.
Service compartment: passage for pipes under benches (mm)	150
Environmental certification (*)	Cradle to Cradle I EPD.

All dimensional data Tol: +/- 5mm.
(*) See models.

Details / Accessories



Button Pad



Lights



Taps



Sink



Hatch

Bench for scales



The range of BECOME benches for scales is designed and manufactured in accordance with the EN-13150 standard. Vibration damping benches to ensure stable weighing conditions. The weighing surface is isolated from the rest of the bench to prevent the transmission of vibrations. The ventilated version is recommended for weighing powder.

Models



1. Balance table



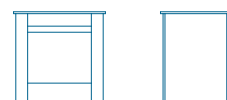
2. Ventilated balance table

Worktop finishes

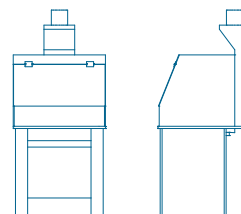
- High-pressure laminate with chemical resistance (HPL).
- Glass support plate for scales.

Drawings

Balance table



Ventilated balance table



Technical characteristics

Models	Balance table	Ventilated balance table	
Module (mm)	900 (1.500 upon request)		
Depth (mm)	750 900		
Height (mm)	740 900		
Weighing Surface	Weighing area: 450 x 500 mm. 10 mm thick glass support plate for scales. Vibration absorbing plate made of 30 mm thick steel sheet, supported by anti-vibration systems.	Weighing area: 450 x 500 mm. 20 mm thick granite support plate for scales. Vibration absorbing plate made of 30 mm thick steel sheet, supported by anti-vibration systems.	
Worktop	See table for finishes.	Made of 316 perforated stainless steel, with a removable lid and venting for cleaning.	
Frame	Self-supporting internal frames made of tube sections of 40 x 40 mm, with a heat-hardened powder coating.		
Furniture	Independent of the frame, made of particle board covered with decorative paper treated with melamine resins.		
Recommendations	The accuracy and reproducibility of weighing results are closely linked to the position of the scales. Follow the points below so that your scales can operate at its best: - The room temperature must be constant. Do not put the balance table close to radiators or windows. The relative air humidity must be between 45 and 60%. - Avoid the incidence of natural light: Put the scales next to a wall without a window. - Avoid air flows: Do not put the scales in the air flow from air conditioning units or fans on computers or laboratory apparatus. Do not put the scales next to a door and avoid busy places.	Cabinet	Transparent cabinet with tilting front window.
		Extraction	Stainless steel rectangular pipe.
		Optional: Filter	The installation of a particle filter is recommended.
Certification	EN-13150		
Environmental certification (*)	Cradle to Cradle EPD PFCE.		

All dimensional data Tol: +/- 5mm. Minimum height: in accordance with the ergonomic criteria stipulated by EN 13150.
(*) See models

Details / Accessories



Cabinet

Perforated stainless steel worktop



Glass weighing area

Electrical turret

Washing units



The range of BECOME washing units is designed and manufactured in accordance with the EN-14727, EN- 16121 and EN-16122 standards. Burdinola offers a variety of washing units adapted for both wall and centre benches. The base of the frame is made of humidity-resistant material.

Models



1.F-FR 1500 PA



2. F-FR 1200 PA



3. F-FR 900 CGA



4. F-FR 600 PA



5. S-FR 600PA

Finishes

- Stainless steel.
- Polypropylene.

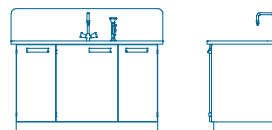
- Stoneware.
- High-pressure laminate with Chemical resistance (HPL).

Colours

- White.
- Grey.

Drawings

Centre unit



Details / Accessories



Drying racks



Splash protection panel



Eye wash



Rubbish bin

Technical characteristics

Fitted sinks				
Sink material	Worktop material	Sink dimensions (mm)	No. of bowls	Bowl dimensions (mm)
Stainless steel	Acero inoxidable	465x440	1	370x340x250
		465x440	1	400x400x250
	High-pressure laminate with chemical resistance (HPL)	465x440	1	500x400x250
		465x440	1	370x340x250
		800x510	2	370x340x250
Polypropylene	Polypropylene	460x460	1	405x405x250
	High-pressure laminate with chemical resistance (HPL)	900x500	1	400x400x250
Stoneware	Stoneware	490x490	1	380x350x250
	High-pressure laminate with chemical resistance (HPL)	510x506	1	400x400x250
Earthenware	High-pressure laminate with chemical resistance (HPL)	490x490	1	380x350x250

Fitted sinks				
Sink material	Sink dimensions (mm)	No. of bowls	No. of drainers	Bowl dimensions (mm)
Stainless steel	600x750	1	0	400x400x250
	1.200x750	1	1	450x450x250
	1.500x750	1	2	400x400x250
Polypropylene	600x750	1	0	450x450x260
	1.200x750	1	1	500x400x250
	1.200x750	1	1	400x500x325
	900x750	1	1	500x400x325
	1.500x750	1	2	500x400x250
Stoneware	1.200x750	1	1	380x350x250
	1.500x750	1	2	400x400x250

Stainless steel sink units: 1 mm thick grade 18/8 polished stainless steel sink with a ridged edge mounted on 20 mm thick painted chipboard.

Polypropylene sink units: Manufactured with 10 mm thick sheets with a ridged edge. Mounted directly on the metal frame.

Stoneware sink units: Sink units and wells made of technical ceramic and resistant to all acids, soda and solvents in any concentration and at any temperature (the only exception is hydrofluoric acid). They are manufactured in accordance with DIN 28062. Acid resistance control in accordance with DIN 51102 sheet 2 Check on water absorption (porosity) in accordance with DIN 51056.