



WIRING SOLUTIONS — 2023



GRIDS SUPPORTS

MOBILE MODELS



ref. BOR-SUP1-V Width 750mm

ref. BOR-SUP2-V Width 1200mm

- Wire conduit with fixation clamps, mobile and easy to arrange.
- Can be affixed on any bracket with a maximum thickness of 60mm.
- Horizontal adjustable rails to use grids with different dimensions
- This system also accepts 12mm wooden hplates as well as BA13.
- Melamine tray, 750 x 280mm to place tools.
- Dimensions: H1030mm x L750mm or 1200mm x W445mm.

FIXED MODEL



ref. MURECO-V

- Cabling grid support, with wall fixing. (Supplied without grid)
- Adjustable horizontal rails for using several grid sizes.
- This system also takes wood panels 12mm thick or BA13 plaster panel.
- Overall dimensions of the main frame: 1000 x 750mm
- Maximum dimensions of the work area: 800 x 750mm (panels or grid)
- The bottom bracket extends 150mm to hold hand tools. (Angled corners)
- Screws supplied (except for wall fixing).

WALL SUPPORT ON RAILS

This concept allows a wall to be transformed into a wiring area. The rails, to be attached to the wall, are sold in lengths of 120cm. The wiring frames are attached to the rails using 4 brackets. The frame can be adjusted freely horizontally and vertically. Optionally, there are shelves for holding tools or work documents.

RAIL FOR WALL FIXING



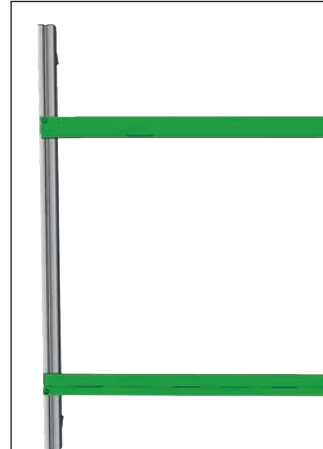
ref. M-RAIL

Pair of aluminium slides for taking the wiring frame.

- Length 120cm.
- 4 wall fixing brackets supplied.

To increase the length several rails can be joined together.

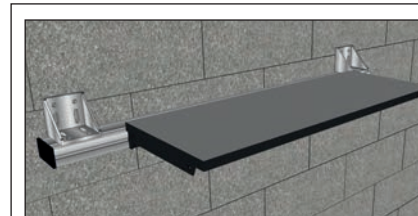
FRAME FOR GRID



ref. M-CADB

Aluminium frame for supporting a grid, dimensions H1000 x L740mm max. The position of the green slides can be adjusted vertically to suit the height of your supports (grid or material, thickness 14mm maximum). The position of the frame attached to the rails can be adjusted vertically and horizontally.

MELAMINE SHELF



ref. M-TAB27

Melamine shelf 19mm. Dimensions 750 x 280mm. Can be attached directly onto the rails M-RAIL or onto the frame M-CADB.

MOBILE WIRING STRUCTURE FOR 1 OR 2 OPERATORS



All these wiring benches mobile thanks to 4 casters two of them with brakes, allow making wiring on removable supports with no testing option.

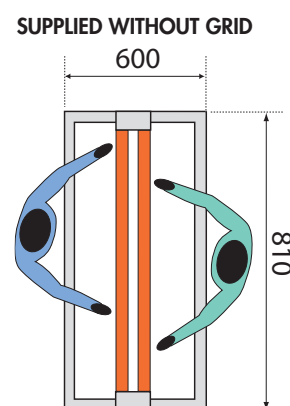
- Take grids or any other support of maximum dimensions 1000 x 750mm.
- Matt anodized aluminium profile structure
- Dimensions: 810 x 600 x 1750mm

Basic model

ref. MBV-3

Model with shelves

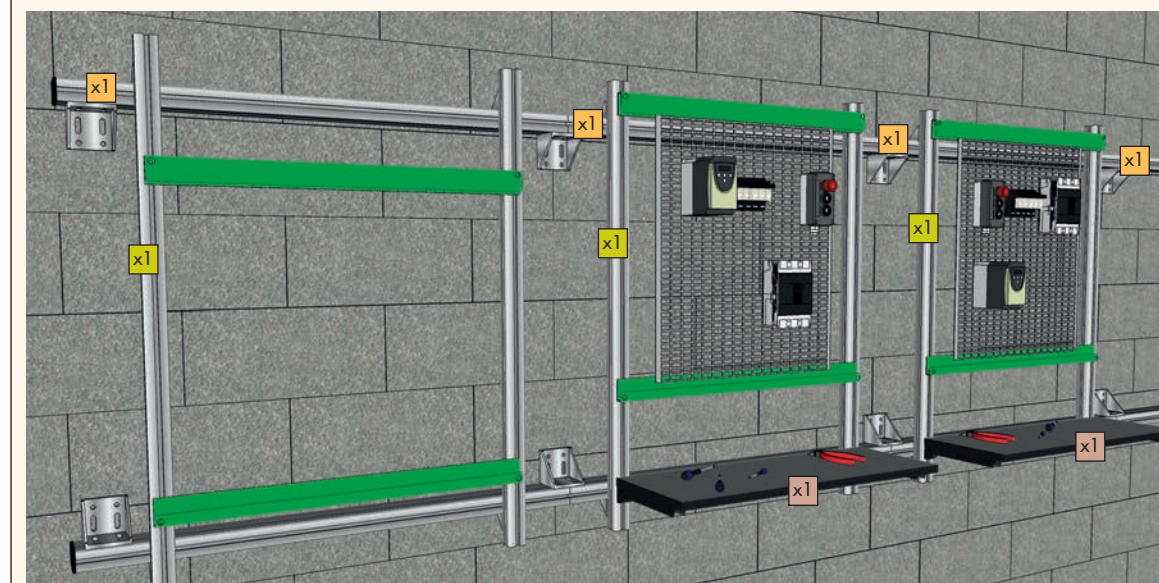
ref. MBV-3T



Grey melamine shelf 19mm. Dims 750 x 280mm



EXAMPLE OF ASSEMBLY WITH LENGTH 4 METRES



Rails for wall fixing Ref. M-RAIL - Qty 4

Frame for grid Ref. M-CADBP - Qty 3

Melamine shelf Ref. M-TAB27 - Qty 2

All the screws are supplied except those for wall fixing.

FRAME OPTION FOR MATERIAL

Frame for supporting material with dimensions H1600 x L740mm maximum and max. thickness 14mm.

ref. M-CADH



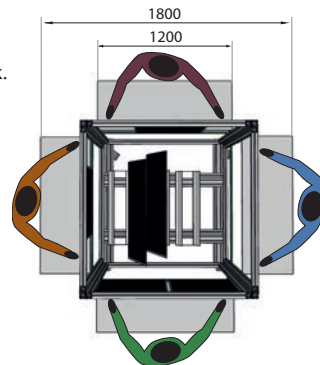
WIRING AREA FOR 3 TO 6 OPERATORS

WIRING AREA FOR 4 OPERATORS



ref. CUB-GV12ET

- Unit for 4 users for wiring on frames with no testing option.
- Structure made of matt anodized aluminium sections.
- Mounted on casters, two with brakes.
- Very easy placing of wiring frames thanks to height-adjustable slides.
- 4 melamine height-adjustable shelves (1200 x 280mm thk. 19mm)
- Takes wiring frames 1200 x 1000mm max.
- Arrangement of wiring frames in the frame centre.
- 6 locations for wiring frames with max dimensions 1000 x 900mm.
- Overall dimensions: 1850 x 2320 x 2320mm.



SUPPLIED WITHOUT GRID

MULTIPLE VARIATIONS POSSIBLE



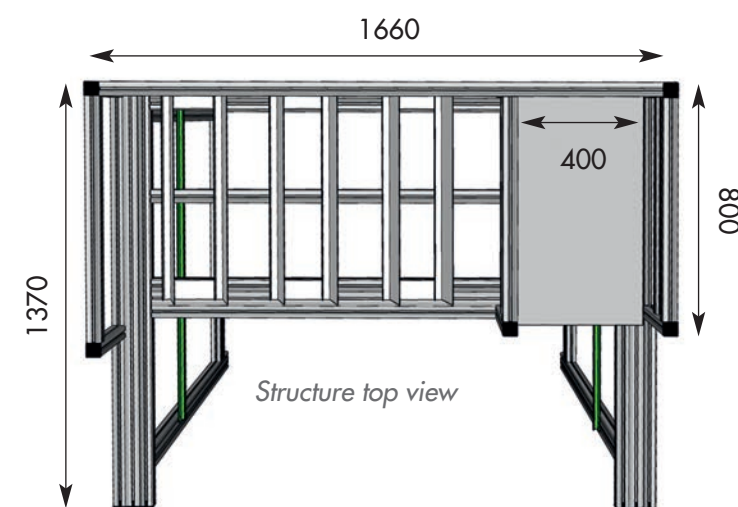
WIRING AREA FOR 3 OPERATORS



SUPPLIED WITHOUT GRID

ref. PCA-V50

- For wiring on frames with no testing option.
- Unit for 3 users working indoors.
- Structure made of matt anodized aluminium sections.
- Very easy placing of wiring frames thanks to height-adjustable slides.
- 4 wiring areas:
 - 2 bottom areas, useful surface area of each 750 x 1000mm
 - 2 side areas, useful surface area of each 1200 x 1000mm
- Storage space above the wiring areas:
 - 6 locations for storing wiring frames.
 - 1 location for storage, dimensions 800 x 400mm.
- Dimensions of the unit:
 - Height: 2280mm - Width: 1660mm - Depth 1370mm.



Structure top view

MOBILE WIRING AREA FOR 6 OPERATORS



SUPPLIED WITHOUT GRID

ref. SDG-6F

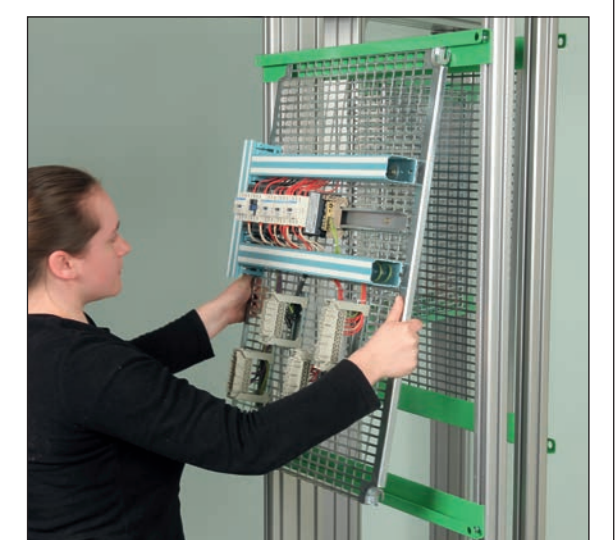
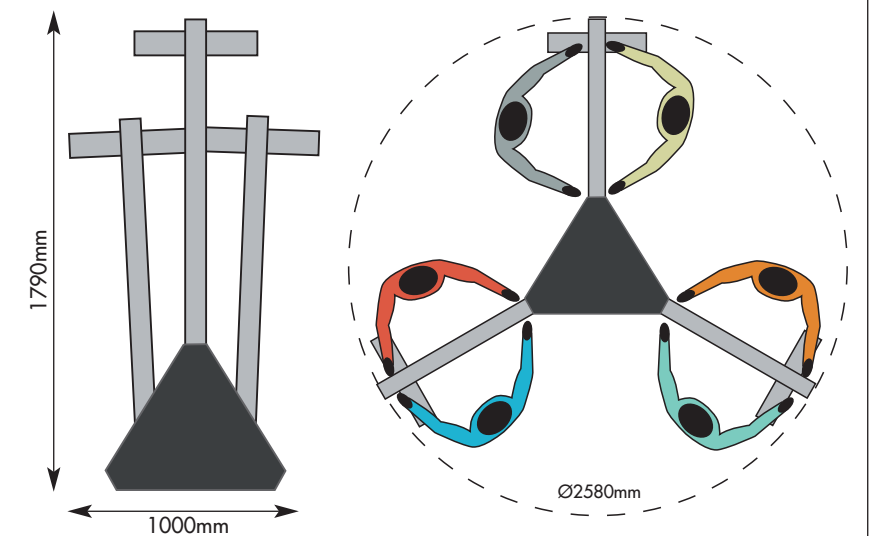
Solution having the advantage of folding up for storage in minimum space.
 Mobility / stability: The nine large-diameter casters make the assembly easy to move, and it is very stable when the six brakes are locked.

Characteristic of the structure

- Structure made of matt anodized aluminium sections.
- Mounted on nine casters with brakes.
- Width of grids 750mm max.
- Easy to fold after use.
- Dimensions: Unfolded: Ø 2580mm Height 1850mm
 Footprint when folded: 1790 x 1000mm



Effortless folding. Easy to store against a wall once folded



Quick fixing system supports.

WORKBENCHES AND WIRING AREAS WITH POWER CONSOLES

WIRING WORKBENCHES FOR 2 OPERATORS



SUPPLIED WITHOUT GRID

Delivered with:

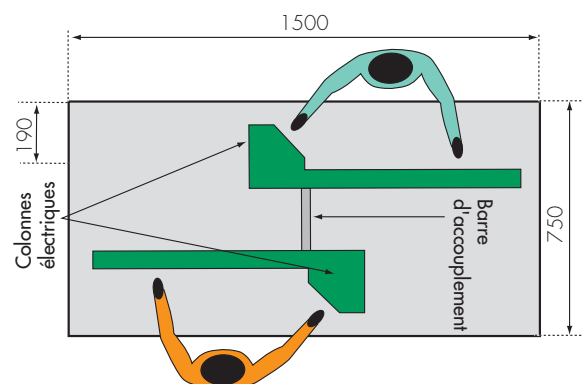
- 2 vertical consoles
- 2 frames of 1000 x 750mm which can receive grids. These frames have adjustable horizontal supports to accommodate all grids not exceeding 800mm high and 750mm wide.
- 1 high temperature laminate coating top 1500 x 750mm.

ref. LAO-3T Orange LAV-3T Green 3-phase

- 2 three-phase vertical consoles

ref. LAO-2M Orange LAV-2M Green single-phase

- 2 single-phase vertical consoles



Height on top 840mm. Overall dimensions 1840 x 1500 x 750mm.

ECONOMICAL WIRING WORKBENCHES (2 OPERATORS)

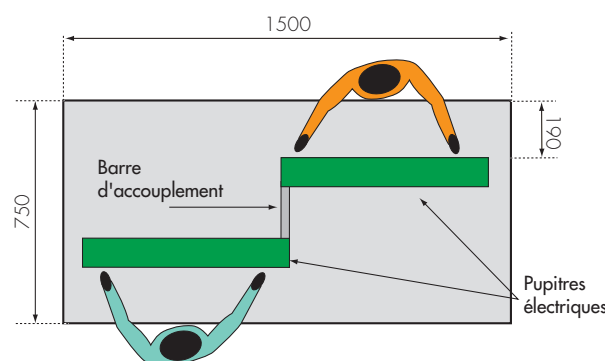


SUPPLIED WITHOUT GRID

ref. LAO-ECO Orange LAV-ECO Green single-phase

Delivered with:

- 2 horizontal single-phase consoles
- 2 frames of 1000 x 750mm which can receive grids. These frames have adjustable horizontal supports to accommodate all grids not exceeding 800mm high and 750mm wide.
- 1 high temperature laminate coating top 1500 x 750mm.

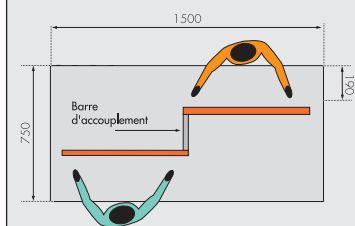


Height on top 840mm. Overall dimensions 1840 x 1500 x 750mm.

VERSION WITHOUT CONSOLE

ref. LAO-N Orange

ref. LAV-N Green



Supplied without grid

WIRING WORKBENCHES FOR 4 OPERATORS



SUPPLIED WITHOUT GRID

ref. LAO-CUB Orange LAV-CUB Green

Four-user unit supplied with:

- 1 horizontal power supply console equipped with:
 - 1 emergency stop button
 - 1 On/Off button with indicator light
 - 1 thermal-magnetic RC circuit-breaker 30mA-16A four-pole
 - 1 Hypra socket 3x400V+N+E
 - 2 mains sockets 230VAC
 - 1 red light column
- 4 frames 800 x 750mm for taking the wiring frames. These frames have adjustable horizontal supports for taking any wiring frame not exceeding 800mm high and 750mm wide.
- 1 high-temperature stratified coated worktop 1200 x 1000mm.
- 1 frame with casters, 2 with brakes.

Height on worktop 965mm. Overall dimensions 2200 x 1200 x 1000mm.

WIRING AREA FOR 4 OPERATORS



SUPPLIED WITHOUT GRID

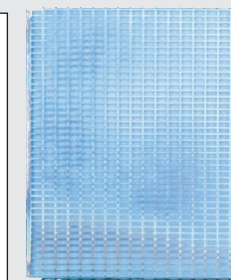
ref. PCA-CUB-V

Area for 4 users comprised of:

- 4 horizontal power supply consoles equipped with:
 - 1 emergency stop button
 - 1 On/Off button with indicator light
 - 1 thermal-magnetic residual current circuit-breaker 16A two-pole
 - 1 output 24VAC on terminals 4mm
 - 2 mains sockets 230VAC
- 1 frame made of matt anodized aluminium with casters, two with brakes.
- 4 areas equipped with 2 adjustable horizontal supports for taking any wiring frame not exceeding 1200mm high and 750mm wide.

Overall dimensions 2000 x 750 x 750mm.

WIRING WORKBENCH OPTIONS
SEE PAGES 12-13



GRID STORAGE
SEE PAGES 22-23



TEST CABINETS
SEE PAGES 24-27



WIRING WORKBENCHES WITH POWER CONSOLES

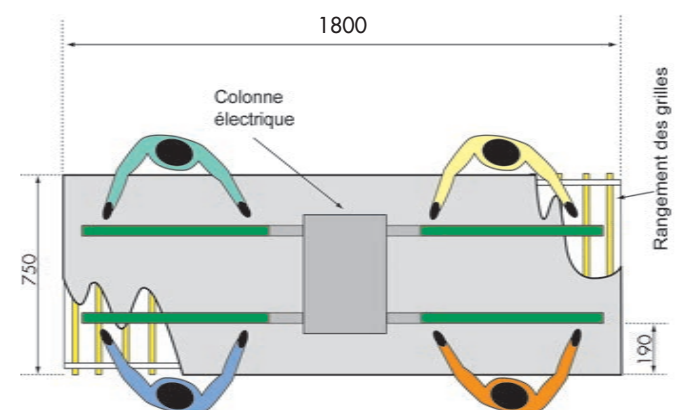
WIRING WORKBENCHES FOR 4 OPERATORS



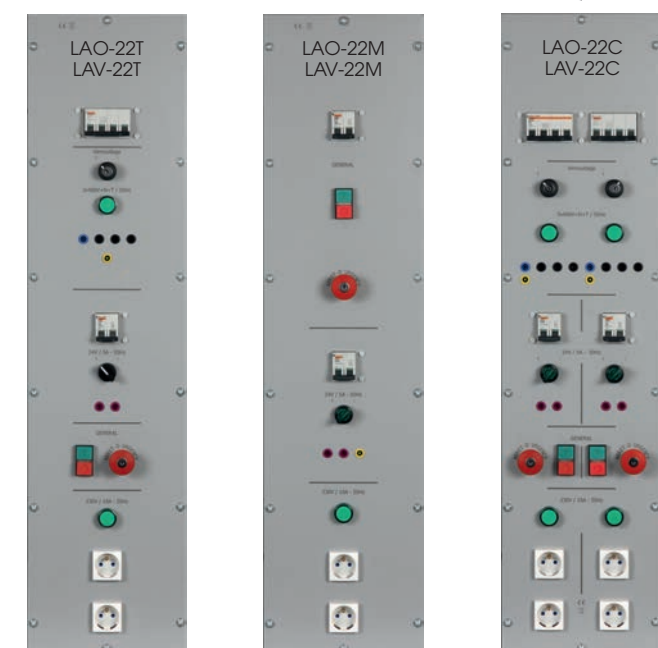
Workstation for 4 users (see below drawing) :

- 1 stratified bench of dimensions 1800 x 750mm
- 4 frames (1000 x 750mm) for 800 x 750mm grids (maximum size). These grid frames have horizontal and adjustable rails to receive all grids up to 800mm height and 750mm width (maximum).
- 2 vertical electrical consoles with:
 - Emergency stop**
The push-button cuts off the power in the case of an emergency. Key-resettable (positive safety).
 - 24VAC supply (insulated from mains)**
Used via 2 safety terminals. Primary winding of transformer protected by auto-protection and secondary wiring by circuit breaker.
 - General START/STOP**
A lamp indicating that the power is on. Start/stop operated using a double push-button.
 - 230V mains distribution**
Two mains sockets 230V with lamp.
 - General protection**
by thermal magnetic circuit breaker (30mA residual circuit breaker as an option).
- 3-PHASE SUPPLY (3 X 400V + N+ E) only for LA*-22T / LA*-22C**
A lamp indicating that the power is on. Output via 4 safety terminals. Key-operated power-on switch.

ref. LAO-22T Orange	LAV-22T Green	3-phase
ref. LAO-22M Orange	LAV-22M Green	single-phase
ref. LAO-22C Orange	LAV-22C Green	3-phase
Same as LA*-22T but with 4 3-phase consoles		

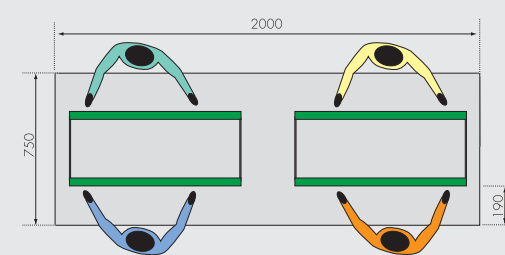


Height on top 840mm. Overall dimensions 1840 x 2000 x 750mm.



The opposite sides of these desks are identical

VERSION WITHOUT CONSOLE



Supplied without grid

ref. LAO-44N Orange
ref. LAV-44N Green

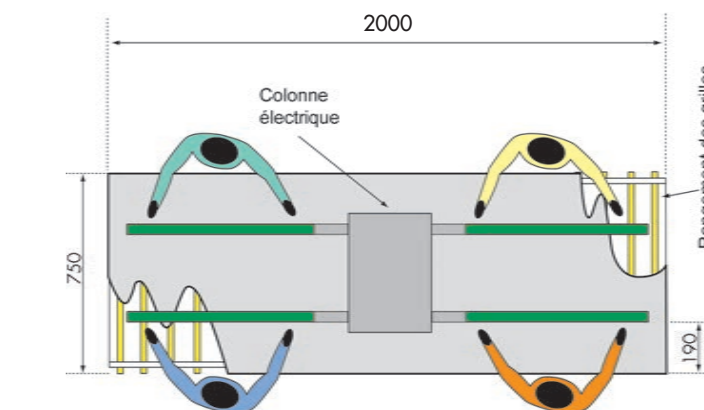
WIRING WORKBENCHES FOR 4 OPERATORS WITH STORAGE FOR GRIDS



Workstation for 4 users (see below drawing) :

- 1 stratified bench of dimensions 2000 x 750mm
- 2 storage areas for 4 removable grids each
- 4 grid frames
- 4 fixed grids 800 x 150mm
- 4 removable grids 600 x 500mm (usefull area)
- 2 vertical electrical consoles with:
 - Emergency stop**
The push-button cuts off the power in the case of an emergency. Key-resettable (positive safety).
 - 24VAC supply (insulated from mains)**
Used via 2 safety terminals. Primary winding of transformer protected by auto-protection and secondary wiring by circuit breaker.
 - General START/STOP**
A lamp indicating that the power is on. Start/stop operated using a double push-button.
 - 230V mains distribution**
Two mains sockets 230V with lamp.
 - General protection**
by thermal magnetic circuit breaker (30mA residual circuit breaker as an option).
- 3-PHASE SUPPLY (3 X 400V + N+ E) only for LA*-42T**
A lamp indicating that the power is on. Output via 4 safety terminals. Key-operated power-on switch.

ref. LAO-42T Orange	LAV-42T Green	3-phase
ref. LAO-42M Orange	LAV-42M Green	single-phase

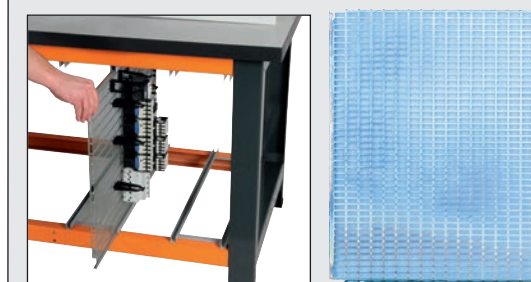


High top included 840mm. Overall dimensions 1840 x 2000 x 750mm.



The opposite sides of these desks are identical

WIRING WORKBENCH OPTIONS SEE PAGES 12-13



GRID STORAGE SEE PAGES 22-23



TEST CABINETS SEE PAGES 24-27



CROSS-SHAPED WIRING BENCHES

CROSS-SHAPED WIRING BENCHES FOR 4 OPERATORS

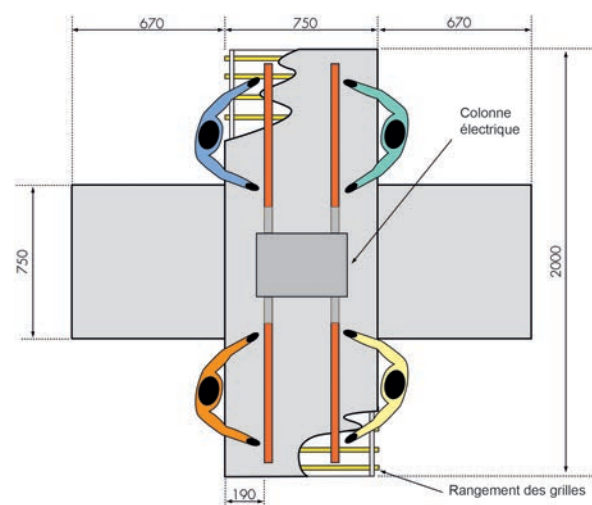


- Workstation for 4 users. Supplied with:
- 1 stratified bench 2000 x 750mm and 2 small ones 750 x 670mm.
 - 2 storage areas for 4 removable grids each.
 - 4 grid frames
 - 4 fixed grids 800 x 150mm
 - 4 removable grids 600 x 500mm (useful area)
 - 4 vertical electrical consoles
- Each of the 4 users has independent access to all of the sources of its own face.*

ref. LAO-4C Orange LAV-4C Green 3-phase

High top included 840mm.
Overall dimensions 1840 x 2090 x 2000mm.

SUPPLIED WITH
4 fixed grids and
4 removable grids



- Description of each operator's console:**
- EMERGENCY STOP**
 - The push-button cuts off the power in the case of an emergency. Key-resettable (positive safety).
 - 24VAC SUPPLY (insulated from mains)**
 - Used via 2 safety terminals. Primary winding of transformer protected by auto-protection and secondary wiring by circuit breaker.
 - GENERAL START/STOP**
 - A lamp indicating that the power is on.
 - Start/stop operated using a double push-button.
 - 230V MAINS DISTRIBUTION**
 - Two mains sockets 230V with lamp.
 - GENERAL PROTECTION**
 - Protection by thermal magnetic circuit breaker (30mA residual circuit breaker available as an option).
 - 3-PHASE SUPPLY (3 X 400V + N+ E) (only for LA*-4C)**
 - A lamp indicating that the power is on.
 - Output via 4 safety terminals.
 - Key-operated power-on switch.

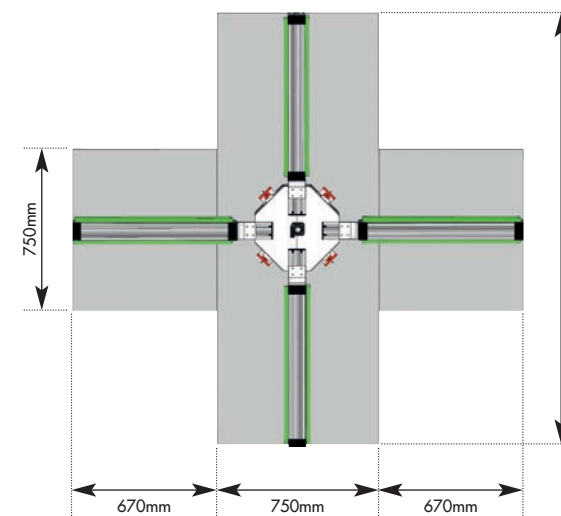
CROSS-SHAPED WIRING BENCHES FOR 4 OPERATORS - 2 GRIDS BY OPERATOR



- Workstation for 4 users. Supplied with:
- 1 stratified bench 2000 x 750mm and 2 small ones 750 x 670mm.
 - 8 removable grids 600 x 500mm (useful area)
 - 1 vertical 3-phase electrical console with 4 autonomous sides.
- Each of the 4 users has independent access to all of the sources of its own face.*

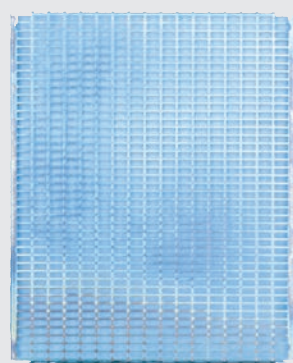
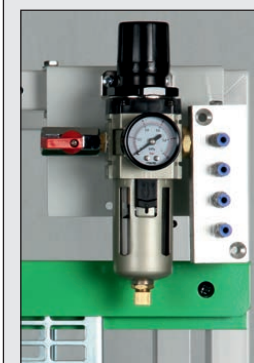
ref. LAO-8C Orange LAV-8C Vert poste triphasé

High top included 840mm.
Overall dimensions 1840 x 2090 x 2000mm.

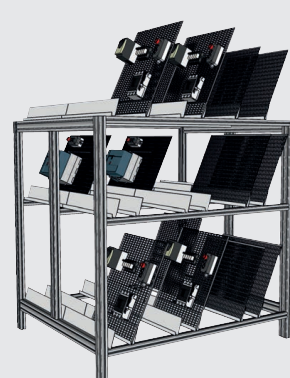


- Description of each face (4 sides per console):**
- Emergency shutdown**
 - Punch with key, positive safety, Cutting all outputs.
 - Distribution 230V mains**
 - 2 sockets 2P+E / 1 light
 - 3-phase mains**
 - Output on plug 3 x 400V+N+E.
 - General protection**
 - Protection by magneto-thermal 10A 4-pole circuit breaker (optional 30mA residual circuit breaker). A light indicates the on position.

WIRING WORKBENCH OPTIONS
SEE PAGES 12-13



GRID STORAGE
SEE PAGES 22-23



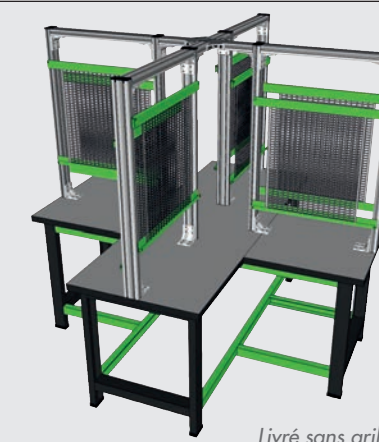
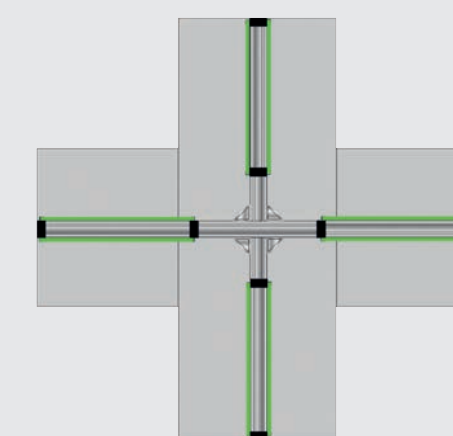
TEST CABINETS
SEE PAGES 24-27



VERSION WITHOUT CONSOLE

ref. LAO-8CN Orange

ref. LAV-8CN Vert

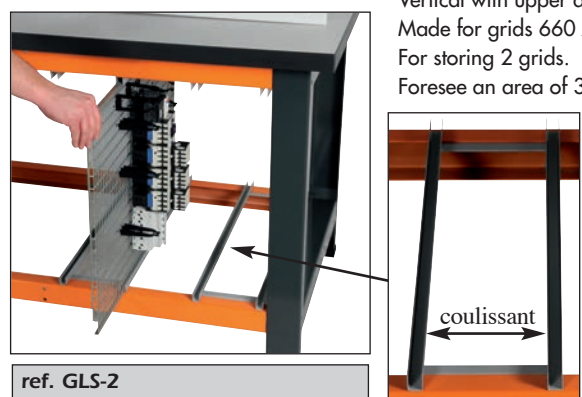


Livré sans grille

OPTIONS FOR WIRING BENCHES

STORAGE FOR 2 GRIDS

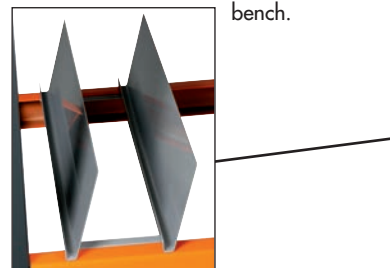
Standard model
Vertical with upper and lower guide. Made for grids 660 x 534mm. For storing 2 grids. Foresee an area of 330mm by GLS-2 to calculate the number of possible options by bench.



ref. GLS-2


Economical model

Compatible with grids of dimensions 580 x 750mm max. (tilted by 15° relative to the vertical). For storing 2 grids. Foresee an area of 380mm by RAILECO to calculate the number of possible options by bench.



ref. RAILECO

PNEUMATICS KIT FOR Ø4mm OUTPUT



A pneumatic distribution can be fitted on the wiring benches. This option is delivered complete with air entry pipe, stop valve, regulator with filter and manometer, feeder tank with 4 quick-fit junctions, means of fixing and screws.

ref. DISLAB


24VDC - 2.2A OUTPUT



Auto-protection électronique. Raccordement sur bornes de sécurité. Commande par interrupteur. Signalisation voyant.

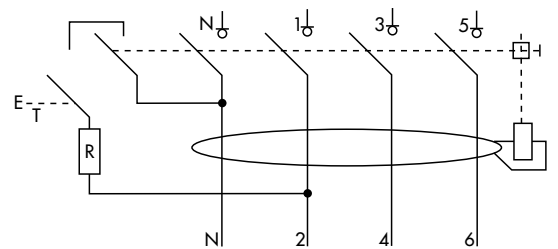
ref. CC24L

REMOVABLE GRIDS



REF	PA6040	PA6050	PA7050
Height	555	660	750
Width	351	534	550

30mA RESIDUAL CURRENT CIRCUIT BREAKER



30mA residual current circuit-breaker. Single-phase bench.

ref. DIF30-2L A Type

ref. DIF30-2LAC AC Type

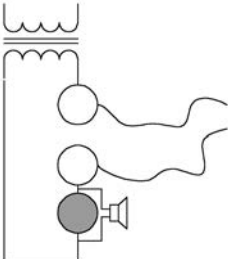
30mA residual current circuit-breaker. 3-phase bench.

ref. DIF30-4L A Type

ref. DIF30-4LAC AC Type

CIRCUIT CONTINUITY TEST

An optional circuit "Continuity test" is available. This option allows to do some acoustic and visual tests under 24VAC.



ref. CAV


360° LED LAMP

REPLACE YOUR OLD LAMPS BY SOME NEW HARD-WEARING LED LAMPS


- LED lamp with ten electroluminescent LED diodes without maintenance.
- Bulb with a bayonet fitting (BA15D type), 2 contact terminals
- Available in 2 voltages: 230VAC and 24VAC

COMPATIBLE WITH ALL THE BULBS WITH A BAYONET BA15D FITTING TYPE

ref. T15-230	230V
ref. T15-24	24V



360° LIGHT SIGNAL TOWERS



ref. VOY61 ref. VOY121 ref. VOY181

WARNING: FORESSE 1 TOWER BY STUDENT. THEY CAN BE SEEN THROUGH 360°. CAN BE PLACED EITHER ON THE CONSOLE OR ON A VERTICAL CABLE RACEWAY.


COLOURS AVAILABLE UPON REQUEST
HARD WEARING LED LAMP

blanc orange rouge vert bleu


HANGING DRAWERS 300mm WITH LOCK AND KEY

For top in depth 750mm or 1000mm - Height: 400mm - Width: 450mm

REF	Drawer H=100mm	Drawer H=200mm	Drawer H=300mm
TIG-30	3	/	/
TIG-32	1	1	/
TIG-33	/	/	1



Ref. TIG-30




Ref. TIG-32


HANGING DRAWERS 490mm WITH LOCK AND KEY

For top in depth 750mm or 1000mm - Height: 490mm - Width: 450mm

REF	Drawer H=100mm	Drawer H=200mm	Drawer H=300mm
TIG-40	4	/	/
TIG-41	2	1	/
TIG-42	/	2	/
TIG-43	1	/	1



Ref. TIG-41




Ref. TIG-42

HANGING DRAWER 100mm WITH LOCK AND KEY

For top in depth 750mm or 1000mm
Height: 100mm - Width: 400mm
With lock & key


ref. TIG-10



VERTICAL CABLE RACEWAY



For the wiring of the power cable from the aerial wiring system to the top of upright supply console

ref. LABO-CANNE



FAST INDUSTRIAL CONNECTIONS

These items are sold separately. They allow the quick connection/disconnection of 24 contact points. The female base is fixed, the male connector is movable.


Female base easy to fix on a wiring grid, 24 contact points female + ground.

ref. HA-24S

Simple connector, without protection, 24 points male + ground.

ref. HA-M24

BARE GRID FRAME HOLDER FOR GRIDS



This frame supports any type of grids up to 800 x 750mm.

It is equipped with a lower rail which is adjustable in steps and an upper rail which slides continuously on the vertical uprights.

The system is study to remove instantly the wired grids without moving the rails.

OVERALL DIMENSIONS:
Height: 1000mm,
Width: 750mm,
in square tubes of 30x30.
Epoxy paint baked in an oven.

ref. CSO-10 Orange

ref. CSV-10 Green

WIRING AREAS AND/OR FITTING AREAS FOR 2 TO 8 OPERATORS



REF	Dimensions (mm)	Number of operator	Shelf
PCA-V10T	1340 x 1970	from 2 to 4	2
PCA-V10	1340 x 1970	from 2 to 4	no
PCA-V20T	2750 x 1970	from 4 to 8	4
PCA-V20	2750 x 1970	from 4 to 8	no

Features of the unit

- Structure made of anodized aluminium profile for two sided working.
- Mounted on adjustable pads for ideal and very stable adjustment.
- At the frame centre, 2 vertical profiles prevent the plates from bending.
- Accepts all types of supports (Wiring frames, plaster panel, wood board, melamine).
- Very easy placing of supports thanks to two height-adjustable slides.
- Melamine shelves (T version only) height-adjustable.
- Dimensions 1400 x 400mm - Thickness 19mm.
- Useful surface area of the supports 1200 x 1175mm x 14mm max.

ALL DIMENSIONS POSSIBLE
CONSULT US

MODELS WITH POWER CONSOLE AND STORAGE OF GRIDS

Features of these versions

- Double-sided three-phase console. Equipment per face:
 - 1 four-pole 16A circuit breaker
 - 1 light on
 - 1 undervoltage coil
 - 1 emergency stop button
 - 2 sockets 230V - 2P+E
 - 2 HYPRA type sockets 3 x 400V + N + T
- Grid storage supports for 4 grids.
- Height-adjustable melamine shelves
- Dimensions 750 x 400mm - Thickness 19mm.
- Useful surface of supports 950 x 720mm x ep14mm Max.
- Chassis dimensions: 1800 x 1700 x 650mm.

ref. PCA-V20PR	without shelf
ref. PCA-V20PRT	with shelves



MOBILE WIRING AREAS AND/OR FITTING AREAS FOR 6 OPERATORS



SUPPLIED WITHOUT GRID OR MATERIAL

mobile version with casters supplied mounted

ref. PCA-V40

No casters version for floor fixing once unfolded

ref. PCA-V40-FIXE

Solution having the advantage of folding up for storage in minimum space. Mobility / stability: The nine large-diameter casters make the assembly easy to move, and it is very stable when the six brakes are locked.

Characteristic of the structure

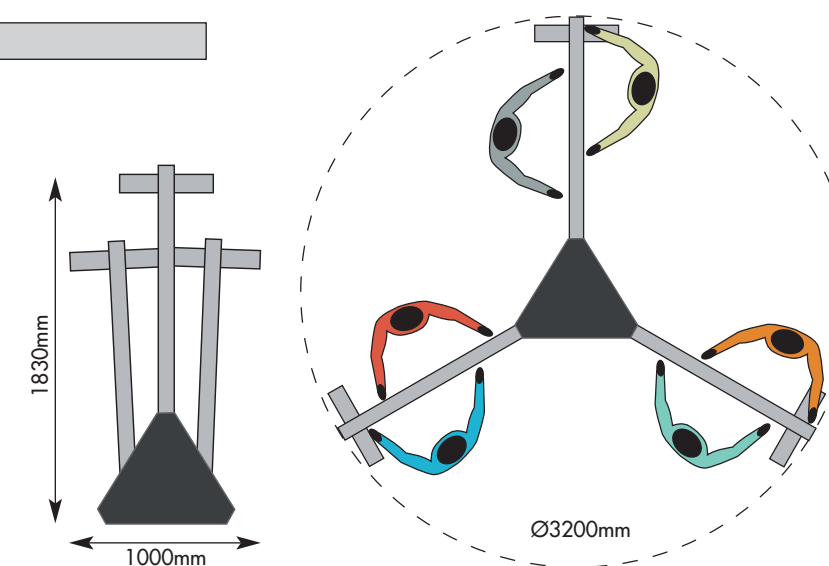
- Structure made of matt anodized aluminium sections.
- Mounted on nine casters with brakes.
- Width of grids 750mm max.
- Easy to fold after use.
- Dimensions: Unfolded: Ø 3200mm Height 1850mm
Footprint when folded: 1790 x 1000mm

Characteristics of each panel

- Takes different supports (plaster panel, wooden board, melamine, etc.).
- Max. useful dimensions of supports 1770 x 1200 mm.
- Fixing of supports with vertical brackets.



Quick fixing system supports.



Effortless folding. Easy to store against a wall once folded

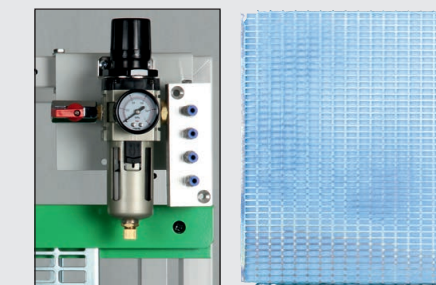
GRID STORAGE
SEE PAGES 22-23



TEST CABINETS
SEE PAGES 24-27



WIRING WORKBENCH OPTIONS
SEE PAGES 12-13



CUBE WORKING AREA FOR 4 OPERATORS



SUPPLIED WITHOUT MATERIAL



- Matt anodized aluminium profile structure
- Mounted on casters, 2 with brakes
- Very easy positioning of the materials thanks to adjustable height guides
- Accepts any type of material with thick of max. 14mm and dimensions max. 1500 x 1200mm
- Dimensions: H 1850 x 1250 x 1250mm

ref. CUB-V1212

WORK AREA FOR 8 OPERATORS



SUPPLIED WITHOUT MATERIAL

Working area composed of 8 separate locations.
Mounted on casters, 4 with brakes, the assembly can be moved very easily and is very stable when the brakes are locked.
The top frame with surface area 1m2 enables a BA13 plaster ceiling to be made.
The central console with 4 sides ensures distribution of electrical energy for each student.

Features of the structure

- Structure made of matt anodized aluminium sections
- Mounted on 8 casters, 4 with brakes
- Dimensions: 1900 x 1900 x H1950mm

Features of each location

- Accept all types of supports (BA13 plaster panel, wood, melamine, etc.)
max thickness of supports: 14mm
max. dimensions of supports: H 1600 x 730mm useful
Tool-free fixing of supports thanks to 2 height-adjustable slides

Features of the ceiling

- Square frame made of matt anodized aluminium profile 1m
- Take different supports (BA13 plaster panel, wood board, melamine, etc.)

Features of the console

- 4 surfaces equipped for each person:
- 1 emergency stop button
 - 1 thermal-magnetic circuit-breaker 16A
 - 1 main On/Off pushbutton
 - 1 output 24V-AC on safety terminal 4mm
 - 4 mains sockets 230V with indicator light

ref. BXV-ZDR

FOLDABLE WORK AREA FOR 6 OPERATORS



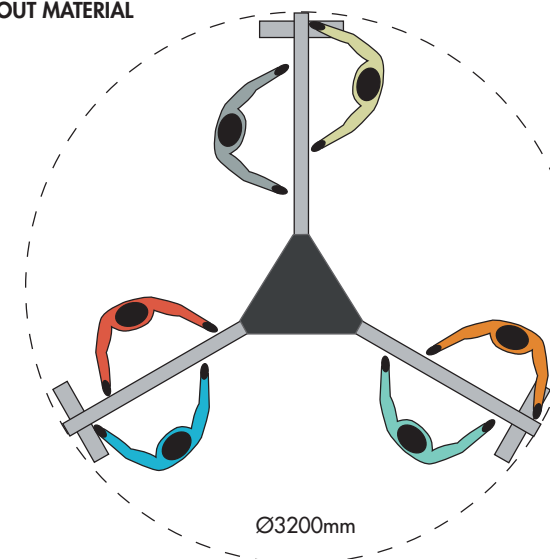
Presented with 4 BA13 plates and 2 wooden plates not supplied

Mobile working triptych on wheels for 6 students with 6 independent locations.
Solution with the advantage of being able to close for storage in a minimum of space.
Mobility / stability: The 9 large diameter casters make the set easy to move while being very stable when the 6 brakes are locked.

ref. BX-6F mobile version on wheels delivered assembled

ref. BX-6F-FIXE
version without wheels to be fixed to the ground once unfolded

SUPPLIED WITHOUT MATERIAL



Blank structure

Structural Features

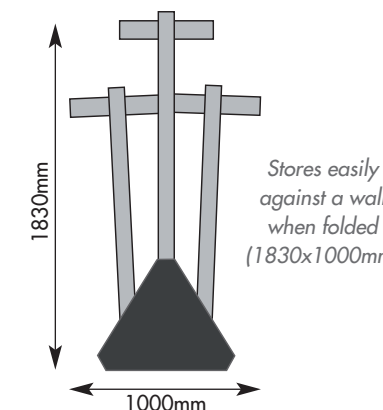
- Structure in matte anodized aluminum profile with reinforcement bars.
- Mounted on 9 casters with brakes.
- Folds easily at the end of use for minimum bulk.
- Dimensions: Unfolded: Ø3200mm Height 1980mm
Footprint folded: 1830 x 1000mm
- Delivered assembled, folded, ready to use.

Characteristics of each location

- Accepts different supports (BA13 - wooden board, melamine...).
- Maximum dimensions of supports 1770 x 1200mm useful.
- Fixing of the supports by vertical rods.
A simple Phillips screwdriver allows you to disassemble these strips for quick replacement (no cutting or drilling).



Foldable effortlessly



Stores easily against a wall when folded (1830x1000mm)



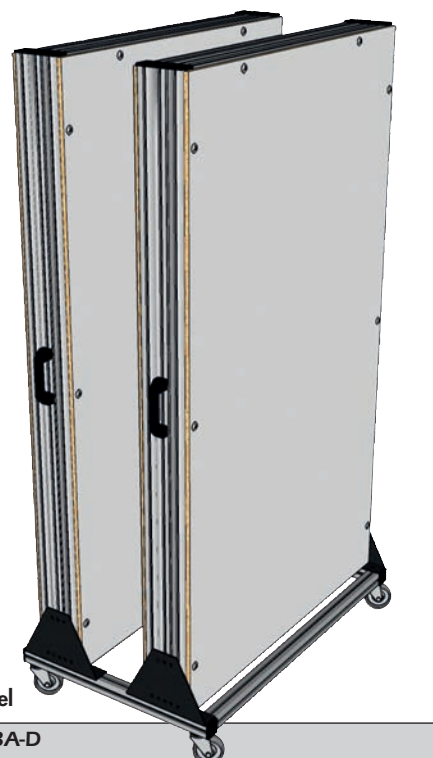
PANEL FOR FITTING SURFACE-MOUNTING ELECTRICAL EQUIPMENT

Two-sided wheeled frame, equipped with two blank panels, of white melamine board with useful area 1.5m² each side, for fitting surface-mounting electrical equipment.

The panels can be changed easily by means of a side clamp system. The wheeled frame is easy to move with two side handles. Two of the four wheels have brakes for goods frame stability when fitting equipment.

Dimensions of the frame:

- Panel: L.940 x H.1600 x 13mm (thick)
- Frame : L.1020 x W.610 x H.1750mm



Double model

ref. ZDP13A-D



Simple model

ref. ZDP13A



Simple version with easy opening
Double-sided wheeled frame with 1 opening face facilitating access to the back of the melamine panels. The chassis remains very stable even with the front open thanks to the integrated roller foot.

Dimensions :

- Panel: L.1200 x H.1600 x 13mm (thick)
- Frame: L.1300 x l.610 x H.1900mm

ref. ZDP13P

POWER SUPPLY
SEE PAGES 20-21



PANEL FOR FITTING MULTI-MATERIALS



LIVRÉ SANS MATERIAU

ref. ZDP-PP

GYPSUM BLOCKS, CELLULAR CONCRETE AND BLOCKS

- Matt anodized aluminium profile structure allowing the double-face work.
 - Mounted on adjustable pads for an ideal and very stable adjustment.
 - Very easy positioning of the materials thanks to the different clamps.
 - Two different columns accepting:
 - Hollow or full gypsum blocks of dimensions 66 x h25 x thick 7cm
 - Cellular concrete blocks of dimensions 62.5 x h25 x thick 7cm
 - Blocks of dimensions: 50 x h20 x thick 7cm
 - Dimensions: H.1610 x L.1500 x W.1100mm
- Delivered without material.



ref. ZDP-MM-V

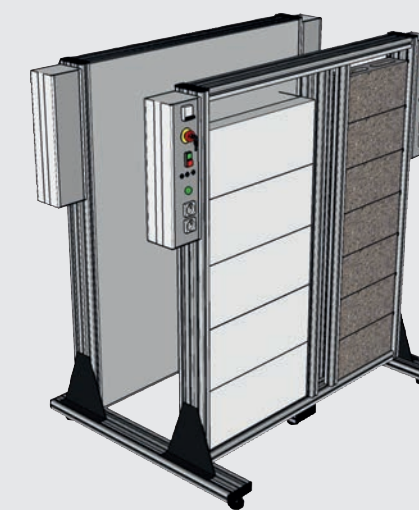
GYPSUM BLOCKS, CELLULAR CONCRETE, BLOCKS, BA13, WOOD

- Matt anodized aluminium profile structure allowing the double-face work.
 - Mounted on adjustable pads for an ideal and very stable adjustment.
 - Face 1 for Gypsum blocks, cellular concrete and blocks**
 - Very easy positioning of the materials thanks to the different clamps.
 - Two different columns accepting:
 - Hollow or full gypsum blocks of dimensions 66 x h25 x thick 7cm
 - Cellular concrete blocks of dimensions 62.5 x h25 x thick 7cm
 - Blocks of dimensions: 50 x h20 x thick 7cm
 - Face 2 for BA13 and wood**
 - Very easy positioning of the materials thanks to adjustable height guides
 - Accepts any type of material of dimensions 1500 x h1500 x thick 14mm
 - Dimensions: H.1610 x L.1500 x W.1100mm
- Delivered without material.



MULTIPLE
VERSIONS
POSSIBLE

CUSTOM SIZES
CONSULT US



POWER CONSOLE FOR WIRING SOLUTIONS

HORIZONTAL SINGLE OR 3-PHASE CONSOLE

Horizontal console (wired), ready to be connected to the mains

Single-phase model

- A 24VAC output insulated from the mains with LED indicator lamp, 100VA, protected by its own circuit breaker and start/stop button
- Two power sockets 230V with LED indicator lamp
- An emergency stop with key + an On/Off button
- Total length 750mm
- Drilling on the back side for fastening on grid holder frame
- Only available in grey colour
- Steel sheet case, PVC front panel



ref. PUG-1

In addition to the three-phase version

- Three-phase output on 4 safety terminals. Key switch authorizing the on position.



ref. PUG-1T

SINGLE-PHASE VERTICAL CONSOLE



- Equipment of each side :
 - 1 16A thermal magnetic circuit breaker
 - 1 Emergency stop button
 - 1 Pushbutton + ON indicator light
 - 1 Mains output 230V+E on 4-mm safety terminals
 - 2 Mains sockets 2P+E 230VAC
- Dimensions : 500 x 130 x 100mm

ref. PUP-PCA double sides

ref. PUP-PCA-S simple side

MOBILE POWER SUPPLY UNIT

- 1 Emergency Push Button
 - 1 360° light signal tower, 2 colors (voltage presence and ON)
 - 1 16A thermal magnetic circuit breaker
 - 1 ON / OFF push button with indicator light
 - 1 key switch
 - 1 ON indicator light (for active 230V output)
 - 1 230VAC output on safety terminals 4mm
 - 24VAC/5A output on terminals, protected per circuit breaker (version-24)
 - 3 230V electrical sockets (2P+E)
- Dimensions : 420 x 400 x 900mm.
Power cord of 10 meters (plug 2P+E).
For custom-made outputs, please contact us.



ref. ALM-PCA

ref. ALM-PCA-24

3-PHASE OR SINGLE-PHASE VERTICAL CONSOLES

A. "THREE-PHASE SUPPLY"

A lamp indicating that the power is on. Output via 4 safety terminals. Protection by thermal magnetic circuit breaker (30mA residual circuit breaker available as an option). Key-operated power-on switch

B. GENERAL PROTECTION

Protection by thermal magnetic circuit breaker (option 30mA residual current circuit breaker)

1. "EMERGENCY STOP"

This push button cuts off the power in the case of an emergency. Key-resettable (positive safety).

2. 24VAC / 5A INSULATED SUPPLY.

Output via 2 safety terminals. Primary winding of transformer protected by auto-protection and secondary wiring by circuit breaker and switch.

3. GENERAL "START/STOP".

- A lamp indicating that the power is on.
- Start/stop operated using a double push-button.

4. 230VAC MAINS DISTRIBUTION

ref. LAG-PT 3-phase

ref. LAG-PM single-phase

INDUSTRIAL POWER SUPPLY



ref. DK3

This 460 x 480 x 120mm plastic electrical unit is placed on the ground. It delivers various voltage sources, protected by thermal magnetic circuit breakers. Connection to the 3x400V+N+E electric network via a 5 meters cable and P+E connector. Supplied with plugs for connection to the mains.

Voltage	Sockets
3-phase 3 x 400V+N+E	1 x 16A 3P+N+E IP44
Single-phase 230V+E	1 x 16A 2P+E IP44
Single-phase 230V+E	3 x 10/16A 2P+E IP55

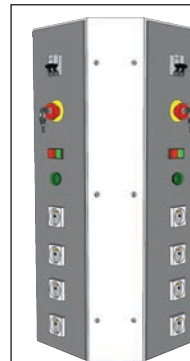
SINGLE-PHASE VERTICAL CONSOLE SINGLE SIDE



- Power console single side.
- Equipment of each side :
 - 1 16A thermal magnetic circuit breaker
 - 1 Emergency stop button
 - 1 Pushbutton + ON indicator light
 - 4 Mains sockets 2P+E 230VAC
- Dimensions : 500 x 135 x 120mm

ref. PUP-1FM

SINGLE-PHASE VERTICAL CONSOLE DOUBLE SIDES



- Power console double sides.
- Equipment of each side :
 - 1 16A thermal magnetic circuit breaker
 - 1 Emergency stop button
 - 1 Pushbutton + ON indicator light
 - 4 Mains sockets 2P+E 230VAC
- Dimensions : 390 x 195 x H750mm
- The two faces are independent of each other*

ref. PUP-2FM



3-PHASE VERTICAL CONSOLE DOUBLE SIDES



- Power console double sides.
- Equipment of each side :
 - 1 10A thermal magnetic circuit breaker
 - 1 Emergency stop button
 - 1 Pushbutton + ON indicator light
 - 2 Mains sockets 2P+E 230VAC
 - 1 Hypra 3-phase plug
- Dimensions : 390 x 195 x H750mm
- The two faces are independent of each other*

ref. PUP-2FT



BASIC MAINS CONNECTION BOX

- 3 sockets 230V
- Emergency stop
- Circuit breaker
- Delivered with 10m of wire 3 x 2.5 mm²

ref. HT-3PC



3-PHASE VERTICAL CONSOLE SINGLE SIDE



- Power console single side.
- Equipment of each side :
 - 1 10A thermal magnetic circuit breaker
 - 1 Emergency stop button
 - 1 Pushbutton + ON indicator light
 - 2 Mains sockets 2P+E 230VAC
 - 1 Hypra 3-phase plug
- Dimensions : 500 x 135 x 120mm

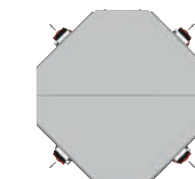
ref. PUP-1FT

SINGLE-PHASE VERTICAL CONSOLE 4 SIDES



- Power console 4 sides.
- Equipment of each side :
 - 1 16A thermal magnetic circuit breaker
 - 1 Emergency stop button
 - 1 Pushbutton + ON indicator light
 - 4 Mains sockets 2P+E 230VAC
- Dimensions : 390 x 390 x H750mm
- The 4 faces are independent of each other*

ref. PUP-4FM

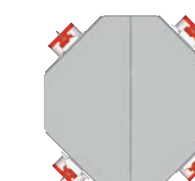


3-PHASE VERTICAL CONSOLE 4 SIDES



- Power console 4 sides.
- Equipment of each side :
 - 1 10A thermal magnetic circuit breaker
 - 1 Emergency stop button
 - 1 Pushbutton + ON indicator light
 - 2 Mains sockets 2P+E 230VAC
 - 1 Hypra 3-phase plug
- Dimensions : 390 x 390 x H750mm
- The 4 faces are independent of each other*

ref. PUP-4FT



STORAGE FOR GRIDS AND/OR MATERIALS

STORAGE FOR 16 TO 24 GRIDS

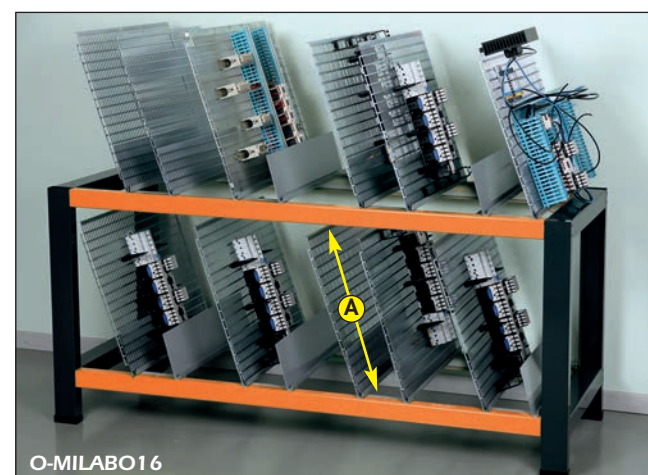
Simple and economical solution for storage of 16 or 24 grids.

16 compartments model :

Dimensions 1890 x 665mm - Height 850mm without grid.

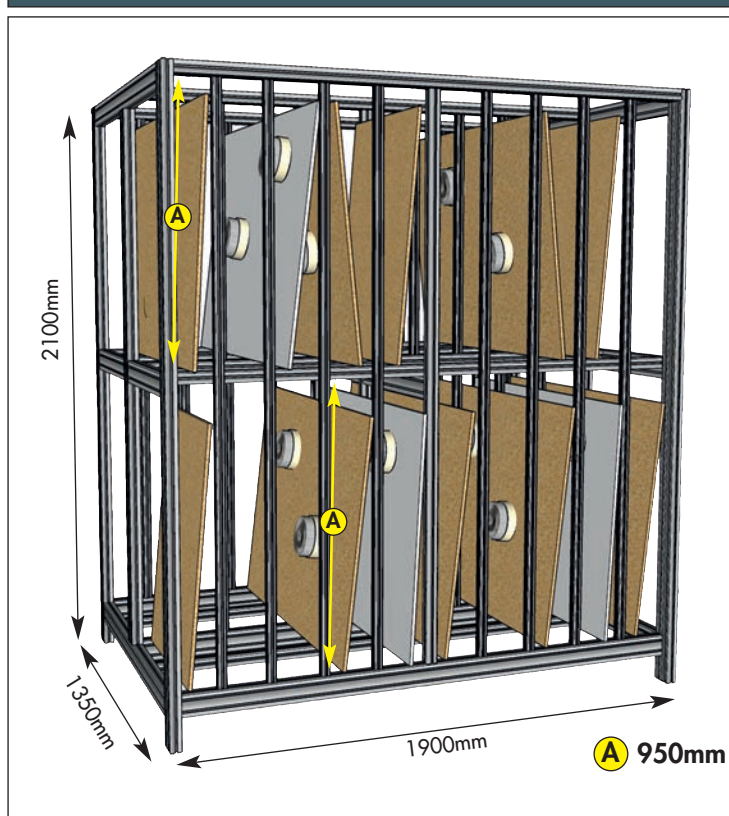
24 compartments model :

Dimensions 1890 x 665mm - Height 1630mm without grid.



compartments	Ref. Green	Ref. Orange
16	V-MILABO16	O-MILABO16
24	V-MILABO24	O-MILABO24

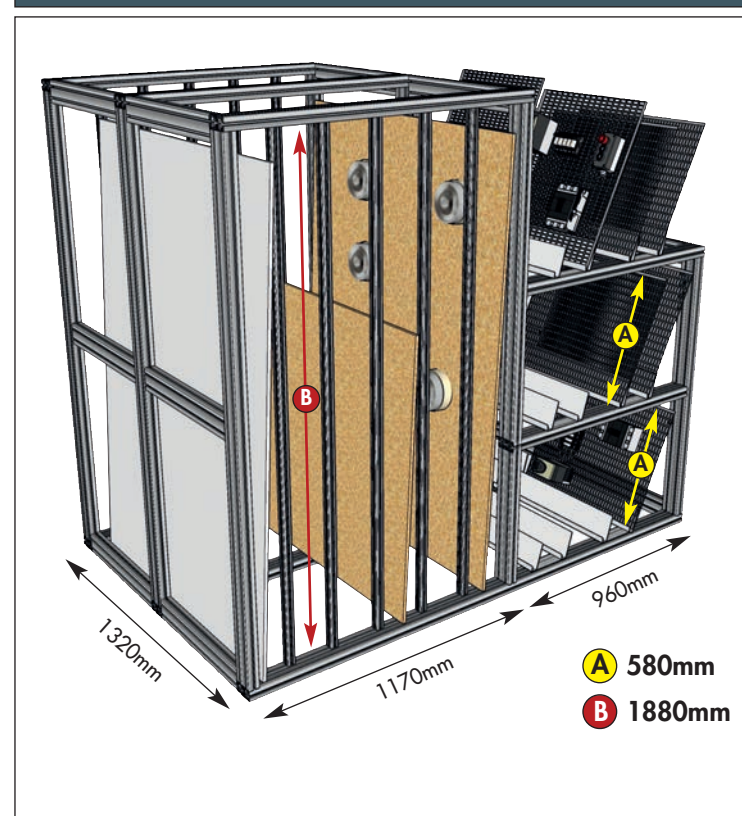
STORAGE FOR MATERIALS



ref. RANG-BO

- Structure made of anodized aluminium profile.
- 20 locations from 1350 x 950mm each one, on 2 levels
- Dimensions : H 2100 x W 1900 x D 1350mm

STORAGE FOR GRIDS AND MATERIALS



ref. RANG-MIX

- Structure made of anodized aluminium profile
- 6 locations for materials
- 24 locations for grids
- Dimensions : H 2150 x W 1900 x D 1320mm

STORAGE FOR 16 GRIDS

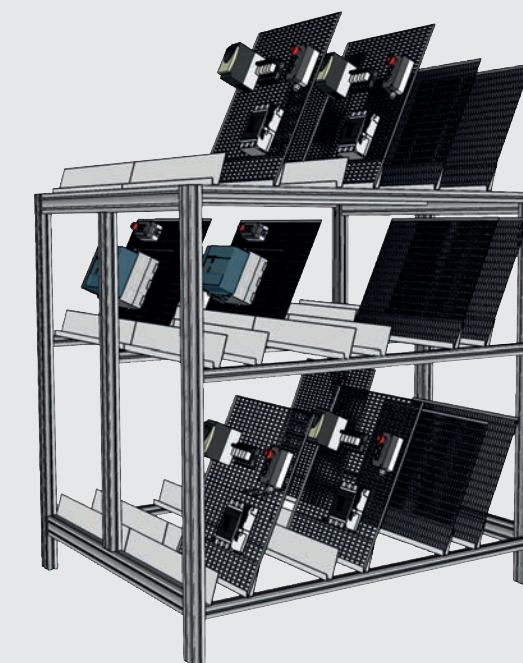


- Storage cabinet for 6 grids.
- Sliding doors lockable.
- Grooved rubber mat bonded to top.
- Maximum grid dimensions:
550mm wide / 900mm high / 200mm of installed electrical equipment.
- Dimensions 1000 x 1200 x 600mm.

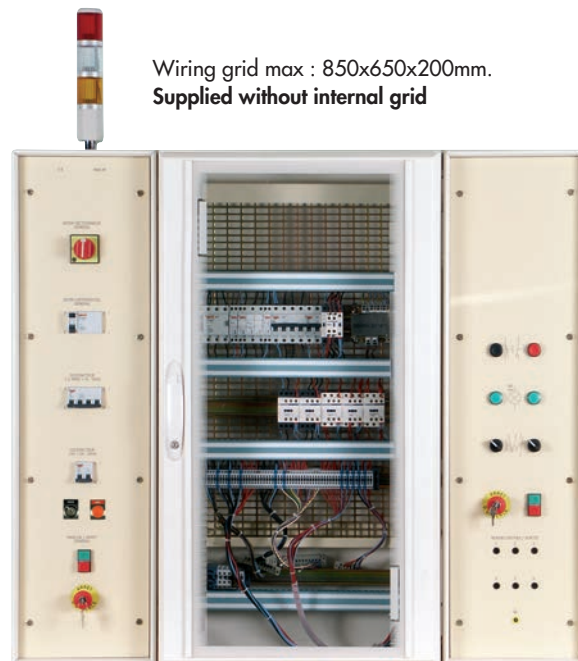
ref. G-MILABO6

MULTIPLE VERSIONS POSSIBLE

CUSTOM SIZES
CONSULT US



WIRING CABINET FOR TRAINING



Wiring grid max : 850x650x200mm.
Supplied without internal grid

360° REMOTE SIGNAL TOWER (HARDWEARING LAMPS)

orange: station in operation
white: mains voltage presence
red: station switched off

ISOLATOR

Consignment component with 3 padlocks. It is wired at the front of the electric power supply.

RESIDUAL CIRCUIT DEVICE, 30mA

located at the front of the cabinet for general protection.

MAINS NEUTRAL + THREE-PHASE POWER SUPPLY.

This output is operated via an internal connection in the glazed cabinet.

24VAC ISOLATED SUPPLY.

This output is operated via an internal connection in the glazed cabinet.

GENERAL "START/STOP".

A double push-button is used for both switching it on and off. A lamp indicating that the power is on.

KEY-OPERATED "EMERGENCY STOP"

This emergency circuit-breaker cuts off the power in the case of an emergency (positive safety).

The key is not a No.455.

TESTING AREA BEHIND A GLAZED DOOR.

In the bottom section, a terminal is used to connect the 24V and mains three-phase power supplies.

The testing grid is hooked onto a quick-fit support:

max. 850 x 650 – depth: 200mm. The door must be closed for using this area undervoltage.

Mains: 1 cable gland for the power cable behind the signal tower. Internal grid not supplied.

DOOR NEUTRALISATION

Key-operated door override switch. Allows the undervoltage cabinet to be used with the door open if the switch has been activated. Operates with a different key to the No.455.

PRE-WIRED CONTROL AREA

On this side, control features are available and connected in readiness to an internal terminal in the bottom section. These features are:

- 2 push-buttons
- 1 key-operated emergency stop push button
- 2 switches
- 1 double push-button with lamp
- 2 lamps
- 6 marked input/output safety terminals

This area can be transformed to support the fast connection/disconnection option.

ref. MA6-N-GD

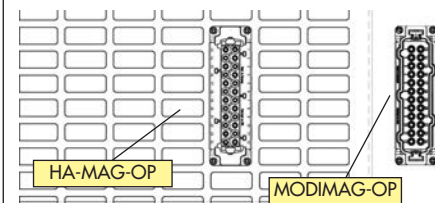
This cabinet is used for carrying out tests involving voltages classified as "DANGEROUS", in complete SAFETY.

It supply the three-phase mains and 24V power behind a glazed door. These voltages can only be created once the door is closed.

- The model that is shown is wall-mounted.
- Table-mounting option
- Dim. : 1080 x 1200mm.
- Usable internal depth: 200mm
- Weight: 45kg.

QUICK CONNECTION FOR GRIDS TO BE TESTED

TO WIRE BY YOURSELF



24-pin female industrial connector for grid to be tested. Supplied with 2 claws. To be wired by the operator.

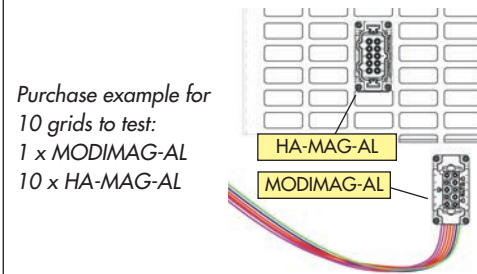
ref. HA-MAG-OP

Industrial 24-pin male connector. To wire once to your operative part.

ref. MODIMAG-OP

Purchase example for 10 grids to test:
1 x MODIMAG-OP + 10 x HA-MAG-OP

FACTORY WIRING ONLY



Industrial 10-pin male connector for grid to be tested. Supplied with 2 claws. To be wired by the operator.

ref. HA-MAG-AL

Industrial 10-pin female connector on wires in mobile strands connected at the factory to the desk of the cabinet

ref. MODIMAG-AL

Purchase example for 10 grids to test:
1 x MODIMAG-AL
10 x HA-MAG-AL

ROLLER STAND

Aluminum foot on wheels including 2 with brake. Foot dimensions: 1370 x 710 x H850mm

ref. MA56-PIED



FIXING MECHANISM



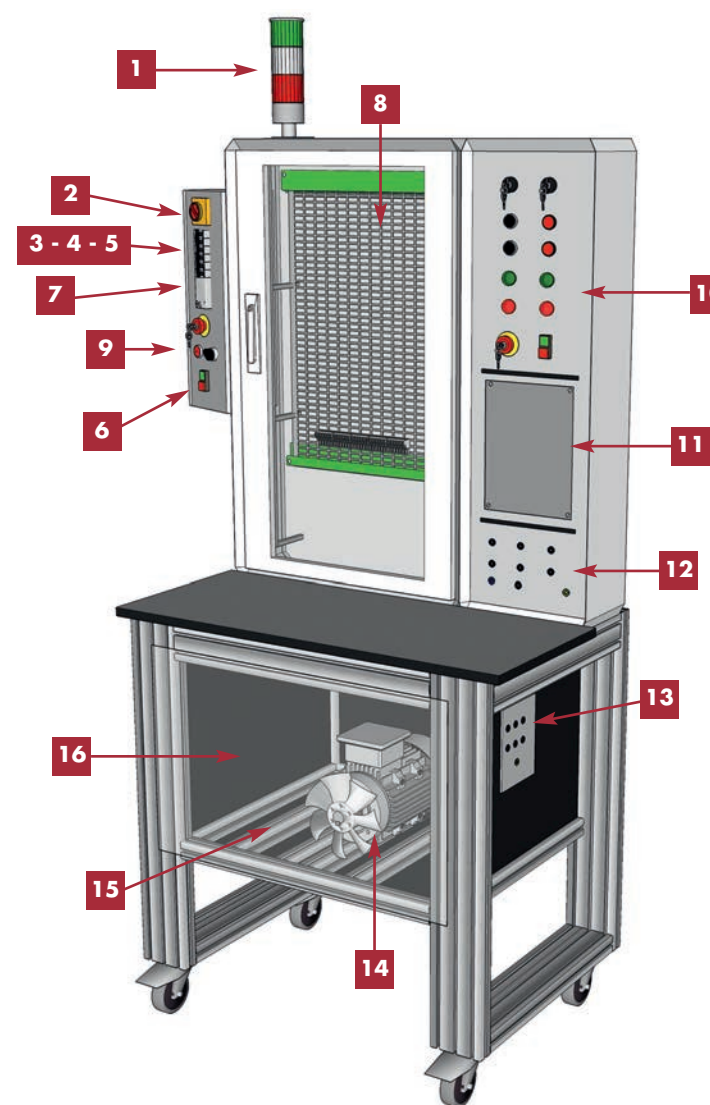
Used for positioning a test cabinet on a workbench.

ref. MAFIX2

WIRING CABINET WITH ENGINE START TEST AREA

This wheeled containment cabinet allows the testing of student wiring grids in complete safety. It is composed on the upper part of a teacher's desk grouping together the various protections and the distribution of the 400V-3P+N+E power sources, the 24VAC isolated from the mains as well as the 24VDC and an electrical box to accommodate the student grid. On the lower part, a 1500W asynchronous motor allows the testing of different starting modes.

To ensure the safety of the student, an opening contact is installed on the door of the box. This cuts off the electrical power supply as soon as it is opened. A key switch allows this security to be deactivated.



Max dimensions wired grid: 850x650x200mm.

ref. MA6-TESTM

Dimensions 1000 x 650 x H1900mm

Tablet dimensions 1000 x 400mm

Delivered with:

- 4 wiring boards H750x550mm
- 4 pvc plates 4mm H280x200mm
- 30 industrial terminals
- 6 safety leads 4mm

IN ACCORDANCE WITH DECREE 88-1056 AND ITS EVOLUTIONS.
NFC 15.100 COMPLIANT. TRANSFORMER. NFC 61558 COMPLIANT

1 360° REMOTE SIGNAL TOWER (HARDWEARING LAMPS)

orange: station in operation
white: mains voltage presence
red: station switched off

2 ISOLATOR

Consignment component with 3 padlocks. It is wired at the front of the electric power supply.

3 RESIDUAL CIRCUIT DEVICE, 30mA

located at the front of the cabinet for general protection.

4 MAINS NEUTRAL + THREE-PHASE POWER SUPPLY.

This output is operated via an internal connection in the glazed cabinet.

5 24VAC ISOLATED SUPPLY.

This output is operated via an internal connection in the glazed cabinet.

6 GENERAL "START/STOP".

A double push-button is used for both switching it on and off. A lamp indicating that the power is on.

7 KEY-OPERATED "EMERGENCY STOP"

This emergency circuit-breaker cuts off the power in the case of an emergency (positive safety). The key is not a No.455.

8 TESTING AREA BEHIND A GLAZED DOOR.

In the bottom section, a terminal is used to connect the 24V and mains three-phase power supplies. The testing grid is hooked onto a quick-fit support: max. 850 x 650 – depth: 200mm. The door must be closed for using this area undervoltage.

9 DOOR NEUTRALISATION

Key-operated door override switch. Allows the undervoltage cabinet to be used with the door open if the switch has been activated.

10 PRE-WIRED CONTROL AREA

On this side, control features are available and connected in readiness to an internal terminal in the bottom section.

These features are:

- 4 push-buttons
- 1 key-operated emergency stop push button
- 2 switches
- 1 double push-button with lamp
- 4 lamps

11 PVC FACE

4mm PVC face 280x200mm to be drilled to insert cable glands or other control buttons.

12 13 CONNECTION TERMINALS

4mm connection terminals to connect the asynchronous motor to the containment cabinet. To be made with the safety leads provided. Motor windings are separated to allow choice of coupling.

14 1500W ASYNCHRONOUS MOTOR

Asynchronous motor 1500W- 1500rpm with fan to observe the direction of rotation and variation of rotation speed.

15 ADDITIONAL MACHINE SUPPORT

Additional aluminum bars to fix another rotating machine.

16 LEXAN PLATES

LEXAN plate to protect the student from the "motor" area. This plate is removable

WIRING STATION WITH TEST CABINET FOR 6 OPERATORS



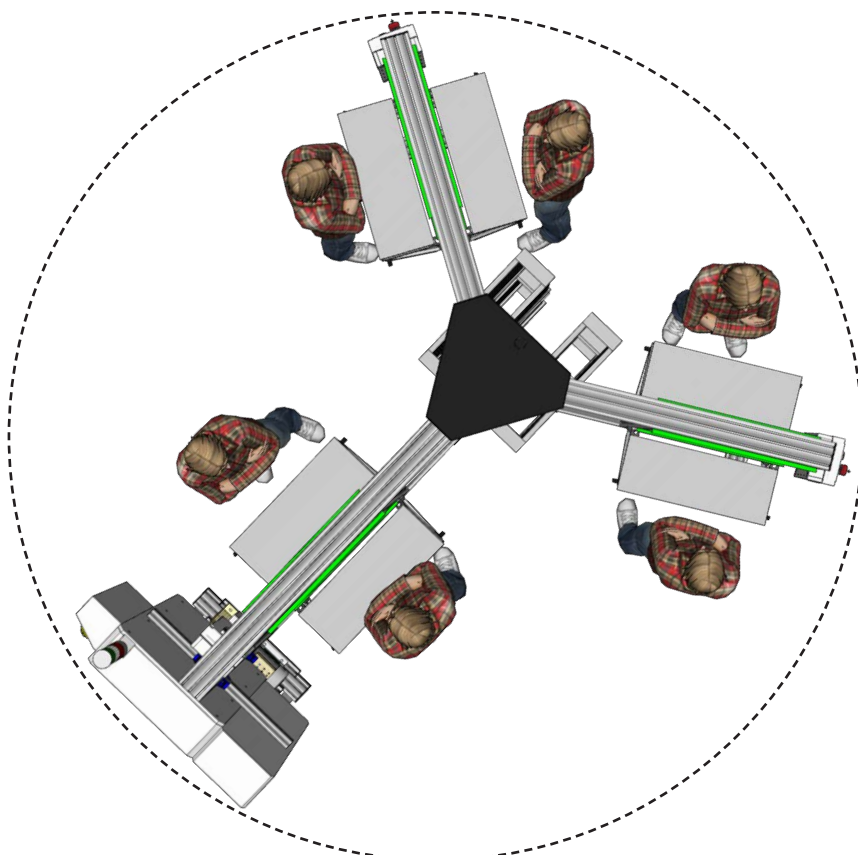
WIRING GRIDS NOT INCLUDED

ref. BX-6F-AE

ref. BX-6F-AE-N

Rotary machines not included

3-branches wiring station on wheels with 6 independent working benches. Suitable for 6 students. Collapsible solution to minimize the storage space. Mobility / stability: The 9 large diameter casters allow an easy displacement, and insure a great stability when the brakes are engaged.



Ø3800mm

Characteristics of the structure

- Structure made of anodized aluminium profile with reinforcement bars.
- Mounted on 9 casters with brakes.
- Folds easily for minimum storage space.
- Dimensions:
Unfolded (operation position): Ø3600mm Height 2000mm
Folded (storage position): 2400 x 1500mm
- Delivered assembled, ready to use.
- 400VAC three-phase 3P+N+T power supply on P17 industrial socket

Characteristics of the 6 work benches

- 1 folding melamine shelf (no tool required)
- Max dimensions of working supports (grid, BA13, etc.) 900 x 750mm.
- Support holding by vertical brackets.
A simple Phillips screwdriver allows the disassemble for quick replacement (no cutting or drilling required).

Characteristics of the 3 power supply units

- Each branch is equipped with a power supply unit. 24VAC-5A with power switch, emergency stop and circuit breaker protection.

Characteristics of the test cabinet

- Max dimensions of working support 900 x 534mm (wiring grid)
- 4 industrial sockets on DIN support
 - 1 for power supplies
 - 2 for the buttonhole
 - 1 for the motor output.
- 1 safety contact.
Cuts off the power when opening the cabinet without authorization.
- 1 student console
 - 2 key switches with 2 positions (Drive 2 NO contacts with mechanical interlock)
 - 2 black NO push buttons
 - 2 red NC push buttons
 - 2 green 24V LEDs
 - 2 red 24V LEDs
 - 1 emergency stop
 - 1 On/Off button
 - 2 interchangeable PVC faces at customer disposal
 - 6 motor outputs on 4mm terminals and on 16 PIN industrial connector

Characteristics of the general supply console

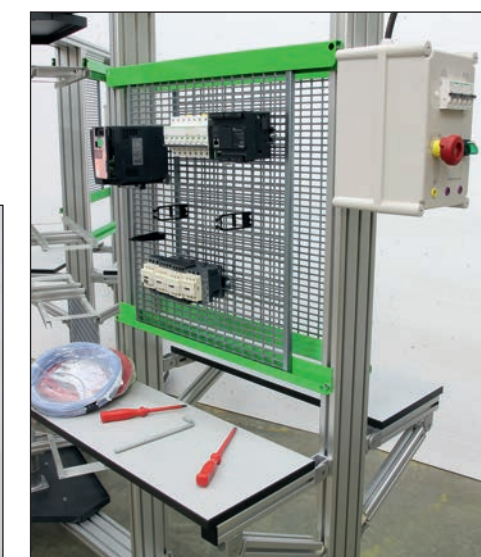
- 1 general disconnector
- 1 general differential switch
- 1 three-phase circuit breaker protection
- 1 24VAC circuit breaker protection
- 1 emergency stop
- 1 general On/Off switch
- 1 key switch with LED indicator for cabinet opening authorization under power
- 1 powder brake control via a potentiometer

Characteristics of the 300W motor bench

- 1 asynchronous motor 300W - 400/690VAC
Connection on 4mm terminals
- 1 powder brake for 300W motor protected by fuse



Test cabinet with general power supply console (left), HMI and 300W motor bench console (right)



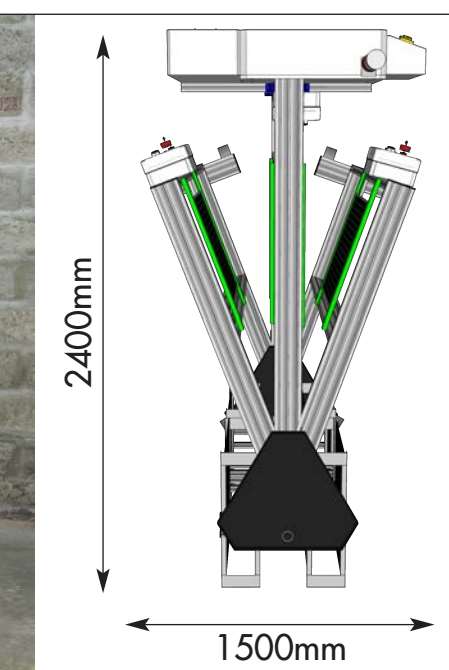
Each branch is equipped with a power supply unit. 2 are positioned at the shortest arms end. The 3rd one is behind the test cabinet.



Folding shelf without tools



Stored easily against a wall when folded (2400x1500mm)





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