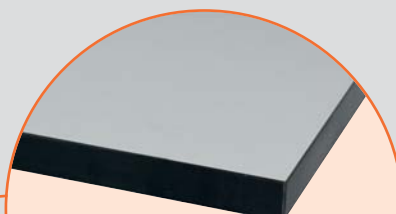

CONFIGURE YOUR OWN BENCH



CONSOLES

Pages 05 - 07



TOP

Page 04



BASEMENT

Pages 02 - 03



SHELVES

Page 04



COMPUTER

Pages 08 - 09



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www.langlois-france.com

Tél. : 0033 (0)5 56 75 13 33

Configure your own bench

BASEMENT

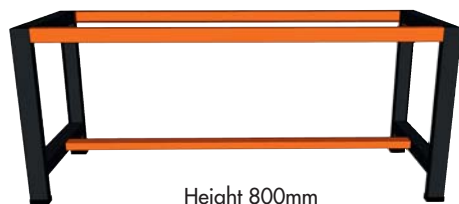
HIGH FIXED BASE

Height 800mm

PVC protective pad underneath each foot.
Maximum load 1000kg.

Composition

2 single legs + 3 crossbars



Height 800mm

FOR TOP DIMENSIONS

	Reference ●	Reference ●
1200 x 750	PSV-127	PSO-127
1200 x 1000	PSV-1210	PSO-1210
1500 x 750	PSV-157	PSO-157
1500 x 1000	PSV-1510	PSO-1510
1800 x 750	PSV-187	PSO-187
1800 x 1000	PSV-1810	PSO-1810
2000 x 750	PSV-207	PSO-207
2000 x 1000	PSV-2010	PSO-2010

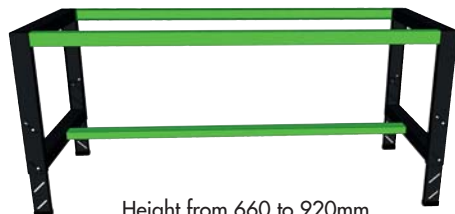
ADJUSTABLE HEIGHT BASE

Adjustable height : 660 to 920mm

System with sliding foot components, adjustable continuously, tightened by screws and bolts. Each foot can be adjusted separately. PVC protective pad.

Composition

2 adjustable legs + 3 crossbars



Height from 660 to 920mm

FOR TOP DIMENSIONS

	Reference ●	Reference ●
1200 x 750	PRV-127	PRO-127
1200 x 1000	PRV-1210	PRO-1210
1500 x 750	PRV-157	PRO-157
1500 x 1000	PRV-1510	PRO-1510
1800 x 750	PRV-187	PRO-187
1800 x 1000	PRV-1810	PRO-1810
2000 x 750	PRV-207	PRO-207
2000 x 1000	PRV-2010	PRO-2010

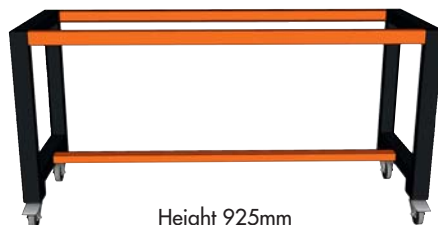
BASEMENT WITH WHEELS

Height 925mm

4 wheels 100 mm diameter with rubber rolling band.
2 wheels have a brake.

Composition

2 legs with wheels + 3 crossbars



Height 925mm

FOR TOP DIMENSIONS

	Reference ●	Reference ●
1200 x 750	PMV-127	PMO-127
1200 x 1000	PMV-1210	PMO-1210
1500 x 750	PMV-157	PMO-157
1500 x 1000	PMV-1510	PMO-1510
1800 x 750	PMV-187	PMO-187
1800 x 1000	PMV-1810	PMO-1810
2000 x 750	PMV-207	PMO-207
2000 x 1000	PMV-2010	PMO-2010

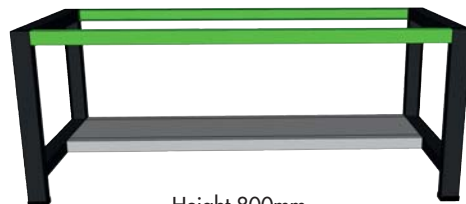
BASEMENT WITH SHELF

Height 800mm

Stratified shelf depth 340mm.
PVC protective pad.

Composition

2 single legs + 4 crossbars + shelf



Height 800mm

FOR TOP DIMENSIONS

	Reference ●	Reference ●
1200 x 750	PTV-127	PTO-127
1200 x 1000	PTV-1210	PTO-1210
1500 x 750	PTV-157	PTO-157
1500 x 1000	PTV-1510	PTO-1510
1800 x 750	PTV-187	PTO-187
1800 x 1000	PTV-1810	PTO-1810
2000 x 750	PTV-207	PTO-207
2000 x 1000	PTV-2010	PTO-2010

BASEMENT ASSOCIATE WITH A LEG MOUNTED CABINET (SEE PAGE 09)



Hauteur 800mm

CHOOSE ONE BASEMENT

Composition

1 single leg + 3 crossbars.



CHOOSE ONE CABINET

Choose from the 18 references available next page.

FOR TOP DIMENSIONS

	Reference ●	Reference ●
1200 x 750	PCV-127	PCO-127
1200 x 1000	PCV-1210	PCO-1210
1500 x 750	PCV-157	PCO-157
1500 x 1000	PCV-1510	PCO-1510
1800 x 750	PCV-187	PCO-187
1800 x 1000	PCV-1810	PCO-1810
2000 x 750	PCV-207	PCO-207
2000 x 1000	PCV-2010	PCO-2010

HANGING DRAWERS COMPATIBLE WITH ALL TOP AND BASEMENT



TIG-10



TIG-30



TIG-43


As standard, all keys are identical. Different keys are available upon request.

Ref	Height	Drawer 100	Drawer 200	Drawer 300
TIG-10	100mm	1		
TIG-30	390mm	3		
TIG-32	390mm	1	1	
TIG-33	390mm			1
TIG-40	490mm	4		
TIG-41	490mm	2	1	
TIG-42	490mm		2	
TIG-43	490mm	1		1

LEG MOUNTED CABINET

- Leg mounted cabinets with lock. Dimensions : W = 450mm - H = 800mm - D = 665mm (Ref-75 for 750mm top) or 890mm (Ref-100 for 1000mm top)
- The drawers are mounted on ball bearings so they slide easily and silently. They are removable so drawers can be switched around or sorted.
- The lock secures all the drawers at the same time. In standard, all keys are identical. Different keys can be available upon request.
- Drawers with a height of 300 mm are suitable for standard hanging folders.

Height of drawers
100
300
300




ref. 30G-75
ref. 30G-100

Height of drawers
200
200
300



ref. 31G-75
ref. 31G-100

Height of drawers
100
150
150
300




ref. 40G-75
ref. 40G-100

Height of drawers
100
100
200
300




ref. 41G-75
ref. 41G-100

Height of drawers
150
150
200
200




ref. 42G-75
ref. 42G-100

Height of drawers
100
200
200
200




ref. 43G-75
ref. 43G-100

Height of drawers
100
100
100
100
100
300



ref. 50G-75
ref. 50G-100

Height of drawers
100
150
150
150
150



ref. 51G-75
ref. 51G-100

Height of drawers
100
100
150
150
200




ref. 52G-75
ref. 52G-100

Height of drawers
100
100
100
200
200




ref. 53G-75
ref. 53G-100

Height of drawers
100
100
100
100
100
150
150




ref. 60G-75
ref. 60G-100

Height of drawers
100
100
100
100
100
100
200




ref. 61G-75
ref. 61G-100

Height of drawers
100
100
100
100
100
100
100
100



ref. 70G-75
ref. 70G-100

Cabinet with lockable swing door.
Can be opened from the left or the right (through reversal)
W = 450mm
H = 800mm
D = 665 or 890mm
2 shelves / 3 levels



ref. PTG-75
ref. PTG-100

LAYOUT OF DRAWERS IN CABINET OR HANGING DRAWERS

The drawers can be removed easily by lifting them out, so you can take parts to a construction site, sort the drawers without having to bend over, or simply reverse two drawers. The drawers are mounted on ball bearings. They slide easily and silently. You can place moulded drawer ties in these drawers. 3 types of compartment are available:

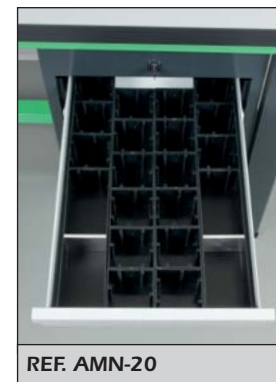
- **Small : 75x75 H55mm**
- **Medium : 285x75 H55mm** fitted with a removable divider
- **Large : 415x75 H55mm** fitted with three removable dividers



REF. AMN-08
4 fixed & 16 modular spaces
4 small
4 large (4 to 16 compartments)



REF. AMN-16
12 fixed & 8 modular spaces
12 small
4 medium (4 to 8 compartments)



REF. AMN-20
18 fixed & 4 modular spaces
18 small
2 medium (2 to 4 compartments)



REF. AMN-24
24 fixed spaces
24 small

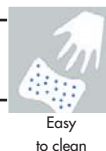
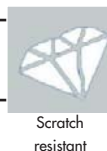
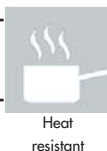
Configure your own bench

HIGH TEMPERATURE STRATIFIED TOP AND WOODEN TOP



WIDTH (mm)	DEPTH 750mm	DEPTH 1000mm
1200 STRATIFIED	Ref. GP127	Ref. GP1210
1200 WOOD	Ref. PL-PL-120x75	Ref. PL-PL-120x100
1500 STRATIFIED	Ref. GP157	Ref. GP1510
1500 WOOD	Ref. PL-PL-150x75	Ref. PL-PL-150x100
1800 STRATIFIED	Ref. GP187	Ref. GP1810
1800 WOOD	Ref. PL-PL-180x75	Ref. PL-PL-180x100
2000 STRATIFIED	Ref. GP207	Ref. GP2010
2000 WOOD	Ref. PL-PL-200x75	Ref. PL-PL-200x100

MAIN FEATURES OF HIGH TEMPERATURE STRATIFIED TOP



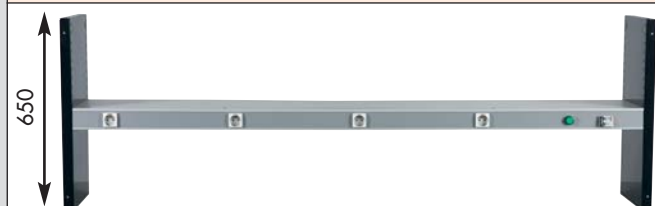
MAIN FEATURES OF WOODEN TOP



SHELVES

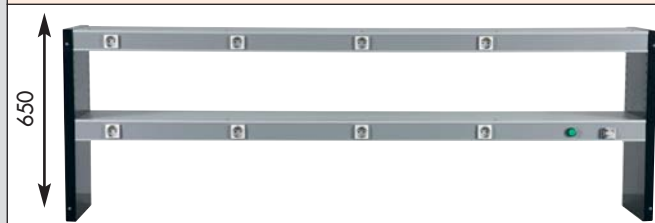
Thickness of uprights: 35 mm / Depth of shelves: 400 mm / Height adjustable level

HIGH SHELF WITH ONE LEVEL - 4 SOCKETS



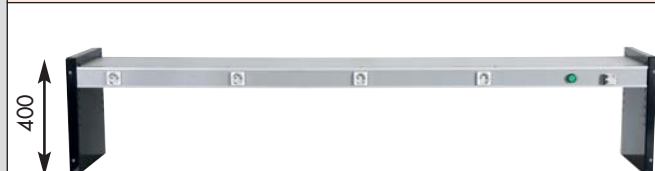
Lenght	Thermal magnetic CB	30mA resident current CB	Whitout plug
	Ref.	Ref.	Ref.
1200	L1G-120	L1G-120D	L1G-120N
1500	L1G-150	L1G-150D	L1G-150N
1800	L1G-180	L1G-180D	L1G-180N
2000	L1G-200	L1G-200D	L1G-200N

HIGH SHELF WITH 2 LEVELS - 8 SOCKETS



Lenght	Thermal magnetic CB	30mA resident current CB	Whitout plug
	Ref.	Ref.	Ref.
1200	L2G-120	L2G-120D	L2G-120N
1500	L2G-150	L2G-150D	L2G-150N
1800	L2G-180	L2G-180D	L2G-180N
2000	L2G-200	L2G-200D	L2G-200N

LOW SHELF WITH ONE LEVEL - 4 SOCKETS



Lenght	Thermal magnetic CB	30mA resident current CB	Whitout plug
	Ref.	Ref.	Ref.
1200	TBG-120	TBG-120D	TBG-120N
1500	TBG-150	TBG-150D	TBG-150N
1800	TBG-180	TBG-180D	TBG-180N
2000	TBG-200	TBG-200D	TBG-200N



LIGHTING OPTION

- Fluorescent light 18W with On/Off button
- Underneath the lowest level, when 2 levels

ref. ET-ECL

COLOR CHART

RAL 2008

RAL 6018

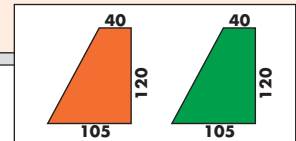
RAL 7016

RAL 7035

All others RAL available upon request



POWER CONSOLES



Information : All power sockets are wired. (Power cable of the console not supplied)
 Power console with a PVC front panel.



Reference ●	Reference ●	Length of console (mm)	For top dims. (mm)	Circuit breaker	Sockets 2P+E	Key operated emergency stop button	ON/OFF button
RAV-12	RAO-12	1120	1200	Thermal magnetic	6		
RAV-12D	RAO-12D	1120	1200	30mA residual current	6		
RAV-15	RAO-15	1430	1500	Thermal magnetic	6		
RAV-15D	RAO-15D	1430	1500	30mA residual current	6		
RAV-18	RAO-18	1730	1800	Thermal magnetic	6		
RAV-18D	RAO-18D	1730	1800	30mA residual current	6		
RAV-20	RAO-20	1920	2000	Thermal magnetic	6		
RAV-20D	RAO-20D	1920	2000	30mA residual current	6		
PAV-12	PAO-12	1120	1200	Thermal magnetic	6	1	
PAV-12D	PAO-12D	1120	1200	30mA residual current	6	1	
PAV-15	PAO-15	1430	1500	Thermal magnetic	6	1	
PAV-15D	PAO-15D	1430	1500	30mA residual current	6	1	
PAV-18	PAO-18	1730	1800	Thermal magnetic	6	1	
PAV-18D	PAO-18D	1730	1800	30mA residual current	6	1	
PAV-20	PAO-20	1920	2000	Thermal magnetic	6	1	
PAV-20D	PAO-20D	1920	2000	30mA residual current	6	1	
MAV-12	MAO-12	1120	1200	Thermal magnetic	6	1	1
MAV-12D	MAO-12D	1120	1200	30mA residual current	6	1	1
MAV-15	MAO-15	1430	1500	Thermal magnetic	6	1	1
MAV-15D	MAO-15D	1430	1500	30mA residual current	6	1	1
MAV-18	MAO-18	1730	1800	Thermal magnetic	6	1	1
MAV-18D	MAO-18D	1730	1800	30mA residual current	6	1	1
MAV-20	MAO-20	1920	2000	Thermal magnetic	6	1	1
MAV-20D	MAO-20D	1920	2000	30mA residual current	6	1	1

SHORT POWER CONSOLES 500mm



Ref. ● VXV-1
 Ref. ● VXO-1
 Thermal magnetic circuit breaker

Ref. ● VXV-2
 Ref. ● VXO-2
 30mA residual current circuit breaker

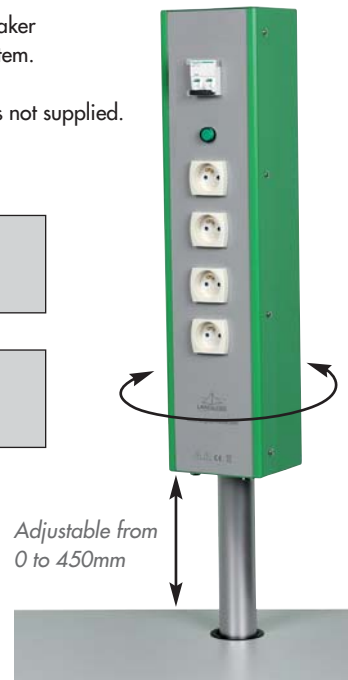
- 4 power sockets 230V and 1 circuit breaker
- Power gland (in standby)
- Sockets are wired but the power cable is not supplied.

VERTICAL POWER CONSOLES (600mm)

- 4 power sockets 230V and 1 circuit breaker
- With column Ø50mm and fastening system.
- Height adjustable and swiveling
- Sockets are wired but the power cable is not supplied.

Ref. ● VPV-1
 Ref. ● VPO-1
 Thermal magnetic circuit breaker

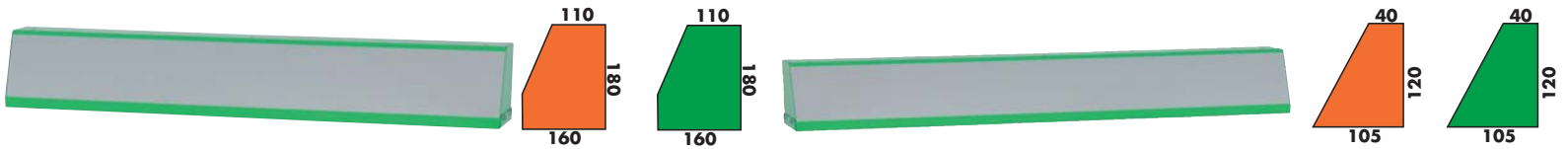
Ref. ● VPV-2
 Ref. ● VPO-2
 30mA residual current circuit breaker



Adjustable from 0 to 450mm

CONFIGURE YOUR OWN POWER CONSOLE

Select first the bare power console, then select the obligatory main module (see opposite) and finally select the electrical modules and options.



Dimensions (mm)	Reference ●	Reference ●
500	PUV-32-05	PUO-32-05
1200	PUV-32-12	PUO-32-12
1500	PUV-32-15	PUO-32-15
1800	PUV-32-18	PUO-32-18
2000	PUV-32-20	PUO-32-20

Dimensions (mm)	Reference ●	Reference ●
500	TEV-05	TEO-05
1120	TEV-12	TEO-12
1430	TEV-15	TEO-15
1730	TEV-18	TEO-18
1920	TEV-20	TEO-20

MODULES COMPATIBLES WITH ALL CONSOLES

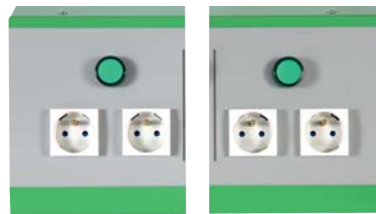
MAINS SOCKET 230V 2P + T



ref. PRISE+

Additional power socket.

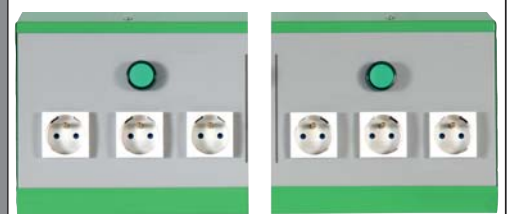
MAINS SOCKETS MODULE (2 X 2)



ref. SE4PC

Module with 2 x 2 power sockets 230V + lamp.

MAINS SOCKETS MODULE (2 X 3)



ref. SE6PC

Module with 2 x 3 power sockets 230V + lamp.

SATELLITE PLUG



Ref. SE-SAT

F type, not wired.

MEASURED POWER SOCKET MODULE



Output on power socket 2P+E with wattmeter direct display of consumed power.

Measuring apparatus: 10000 pts

Maximum power: 3500W

Protection by circuit breaker on the front panel

ref. SEPCW

TV PLUG



Ref. SE-TEL

Ø9,52mm male, not wired.

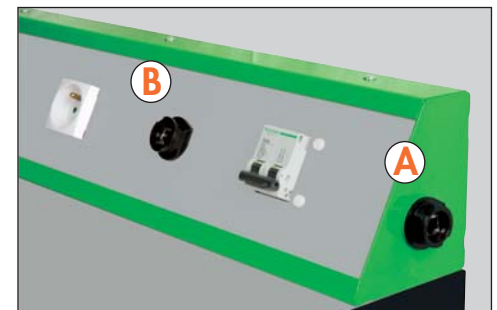
RJ45 PLUG NOT WIRED



ref. SERJ45

For a cable coming from your patch panel.

RJ45 WIRED PLUG



ref. CARJ45

Combination of 2 RJ45 connectors connected together in the console. The side connector **A** is used to connect the network input, the front connector **B** is for the user's connection.

INVERTER PLUG



Ref. SE-UPS

Not wired.
For U.P.S.

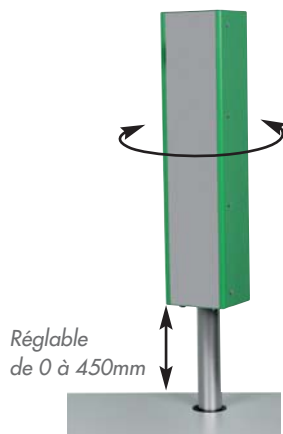
AC SUPPLY MODULE 24V / 5A



Module 24V/5A insulated from mains

ref. SE3BT

Dimensions (mm)	600mm
Reference ●	VPV-60
Reference ●	VPO-60



MODULES COMPATIBLES ONLY WITH CONSOLES PUV AND PUO

OBLIGATORY MAIN MODULES : CHOOSE ONE OF THESE 4 REFERENCES



without on/off key control

ref. SE1MA
or 3-phase mains supply

ref. SE1MA-MONO
or single-phase mains supply



with on/off key control

ref. SEMC
or 3-phase mains supply

ref. SEMC-MONO
or single-phase mains supply

3-PHASE MODULE ON TERMINALS



3-phase supply module 11kW – fixed
3x400V+N
On-Off key control

ref. SE5TR

3-PHASE MODULE ON SOCKET



3-phase supply module on hypra socket
16A 3P+N+T.
On-Off key control

ref. SE5PCTR

3-PHASE HYPRASOCKET MODULE



Mounted in parallel on 3-phase supply with output terminals or socket (only available with option SE5TR & SE5PCTR)

ref. HP4

DC MODULE -15VDC +15VDC 3A



DC fixed supply with 2 outputs
+15V/3.4A -15V/3.4A

ref. AD15I

AC SUPPLY MODULE 24V / 5A



Module 24V/5A insulated from mains

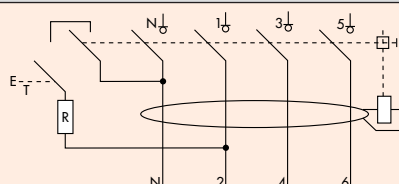
ref. SE3BT

DC VARIABLE SUPPLY



DC power supply with adjustable voltage
0-30V DC/3A

ref. R3030I



OPTION RESIDUAL CURRENT CIRCUIT BREAKER

30mA protection at the front. Useful only if the room is not equipped with this device.

ref. DIF30-4S A type (3-phase)

ref. DIF30-2C A type (single-phase)

ref. DIF30-2SAC AC type (3-phase)

ref. DIF30-4SAC AC type (single-phase)

Configure your own bench

CHOOSE YOUR COMPUTER ITEMS

SLIDING KEYBOARD/MOUSE SHELF UNDER THE BENCH-TOP



ref. IFG-TAB

The sliding shelf can be locked in the extended position.
Dim: 620 x 320mm. Stratified top. Supplied pre-assembled.

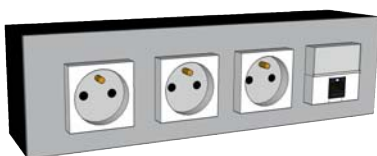
ECONOMICAL CPU TOWER HOLDER



Matt aluminium profile CPU holder to be installed under a table. It's equipped with a sliding system for attaching the CPU regardless of its height.
Max. Height: 480mm
Max. Width: 210mm

ref. SU-INF

POWER SOCKETS UNIT FOR COMPUTER FIXED UNDER THE TABLE TOP



Ramp hidden under the table top
• 3 standard sockets 2P+E
• 1 RJ45 to be connected

ref. LGS-4

CPU TOWER HOLDER



Holder is screwed under the bench. Users have easy access to cable connections and drives. Sturdy and economical, this device ensures that the CPU tower is stored tidily and protected against theft.

- 45 x 45mm wire mesh
- 50mm front locking bar
- Attached with lag screws (supplied)
- EPOXY paintwork. Steel sheet base plate.



Ref.	Total height interior	Width interior	Depth interior
IFG-ECO	500mm	245mm	500mm
IFG-MINI	400mm	195mm	400mm

SUPPORT KEYBOARD/MOUSE



Instantly clings to the side of our CPU holders references IFG and IFG-ECO-MINI.
Installation without tools or screws.

ref. IFG-CLA

OPTIONS FOR WORKBENCHES

360° LIGHT SIGNAL TOWERS



Beacon with a red light indicator (voltage presence) Ø60mm

ref. VOY61

Beacon with 2 light indicators: red and green Ø60mm

ref. VOY121



COLOURS AVAILABLE UPON REQUEST

white - orange - red - green - blue



HARD-WEARING LED LAMPS



Beacon with 3 light indicators: red, yellow and green Ø60mm

ref. VOY181

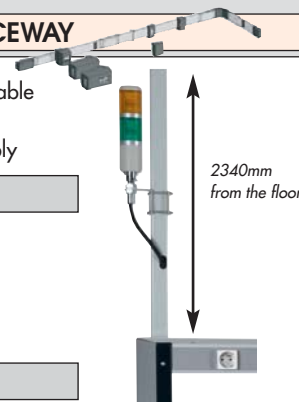
VERTICAL CABLE RACEWAY

For the wiring of the power cable from the aerial wiring system to the base of the power supply

ref. DEG-1

Model for power cable and network cable

ref. DEG-2



MOBILE CPU HOLDER



- Holder equipped with 4 wheels
- Handle for an easy movement
- Can accept CPU with max. dim. :
Width: 250mm
Height: 510mm
Depth: 260mm
- Holder height: 650mm



ref. UNIT-MOB

FLAT SCREEN SUPPORTS UP TO 15KG



- For flat screen monitors up to 15 kg
- Attached to edge of table by locking pliers with two tightening screws.
- 4 rotation points on 3 ball joints
- Integrated cable guide
- Supplied with 4 screws for flat screen fixing

ref. VES-151



- For flat screen monitors up to 15 kg
- To screw on the table, free location
- 4 rotation points on 3 ball joints
- Supplied with 4 screws for flat screen fixing
- Delivered with 4 fixing screws to the table

ref. VES-100

ANTI-VANDALISM COVER



This pull-down cover in front of the electrical equipment in the console prevents students from scribbling on or vandalising the front and its equipment. Standard dimensions: 1200mm and 2000mm. **Other dimensions upon request.**

ref. VSG-12

FLAT SCREEN SUPPORTS UP TO 12KG

FEATURES SHARED BY 3 MODELS

- Attached to edge of table by locking pliers with a tightening screw for a table thickness between 15 and 100mm. The attachment consists of a 400mm high support pole fitted with a sliding ball joint to adjust the height of the screen.
- Built-in cable guide
- Supplied with 4 screws for the monitor.



Model 500

- For flat screen monitors weighing up to 12kg
- 3 rotation points on 2 ball joints

ref. VES-500

Model 501

- For flat screen monitors weighing up to 10kg
- 4 rotation points on 3 ball joints
- Arm length 250mm

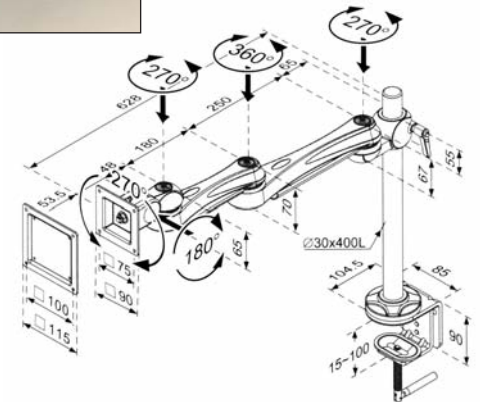
ref. VES-501



Model 502

- For flat screen monitors weighing up to 8kg
- 5 rotation points on 4 ball joints
- Arm lengths of 250mm and 180mm

ref. VES-502



OPTIONAL RACEWAY THROUGH THE BENCH-TOP



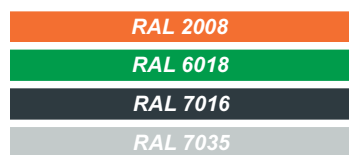
- Optional raceway through the bench-top
- Factory assembly only

ref. PASS-70

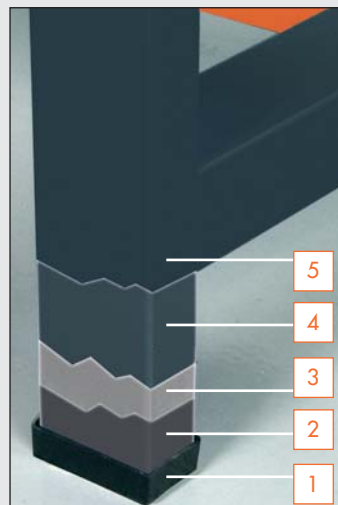
Quality of steel and paint

All parts of the metal frame are manufactured from electrogalvanized steel sheet, which is widely used in the car manufacturing industry and makes the sheet extremely resistant to corrosion. The iron/zinc combination forms a natural cell with moisture in the air that prevents the iron from corroding, even if shearing or scratching occurs. This protection is strengthened further by two layers of furnace-baked epoxy paint, which means that it is suitable for use even in tropical or coastal areas.

COLOR CHART



All others RAL available upon request

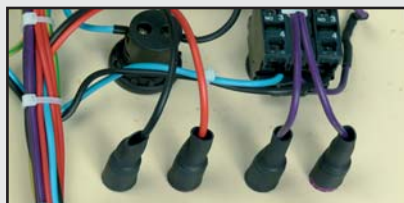


- 5 EPOXY PAINT LAYER 2
- 4 EPOXY PAINT LAYER 1
- 3 ELECTROGALVANIZED LAYER
- 2 UNOXYDISED STEEL
- 1 PVC BASE

Discover our new range with **mat anodized aluminium structure**. All the aluminium parts are available plain or painted. (See color chart)

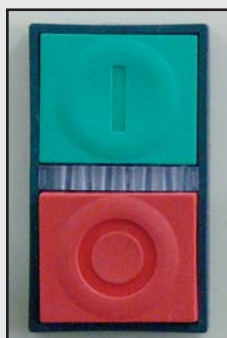
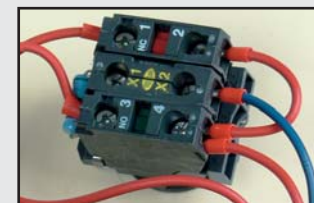


Quality of electrical components



Rear section of insulated terminals (TT earthing system)

As the standard dictates, all the electrical connections of insulated mains output, for example DC, are completely sheathed to ensure the separation of circuits. (cf. CE, CEI1010, Decree 88-1056 and its updates, Order of 13/12/88 and NF-C15100).



Positive safety and activation

Following a network outage, the station will not automatically restart when the mains is restored. It will require an operator action. Manual restart required.



Resistant LED indicator lights

Cannot be removed by the student (the front cap cannot be unscrewed). No risk of accidental contact for the maintenance operator



Emergency Stop push-button (anti-vandalism type)

The crown of the Emergency Stop push-button can turn freely. As a result, the vandal cannot any more tear off the electrical connections by turning in strength the head of the Emergency Stop. The device stays in position on the front panel without any risk of damage.

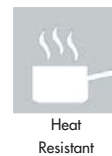
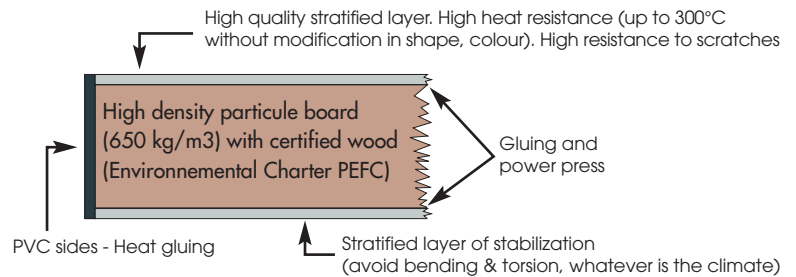


CHART

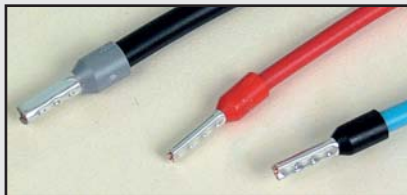
Quality of top



**CHARACTERISTICS
STRATIFIED TOP
HIGH TEMPERATURE
THICKNESS OF 40mm**



**CHARACTERISTICS
WOOD TOP
THICKNESS OF 40mm**



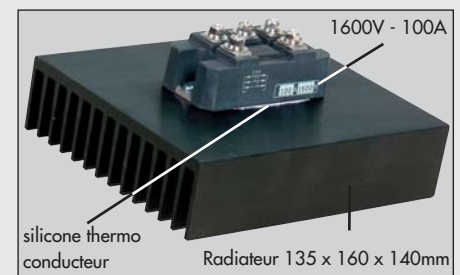
Optimal contact with cable end sleeves

The cable end sleeves limit the risk of fire or electric shock undergoing maintenance.



Safety transformers

All transformers comply with the standard NFEN61558. All DC outputs are isolated from the mains as stipulated in the standard. (cf: CE, CEI1010, Decree 88-1056 and its updates, NF-C15100)

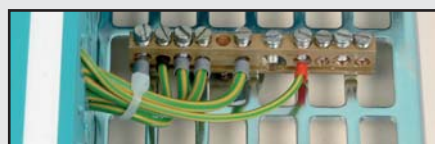


The diode bridges

The radiator: in black aluminium, largely oversized to avoid using a noisy fan. The bridge is screwed onto the radiator and a silicon heat conductor improves the heat diffusion.

Engraving in the part

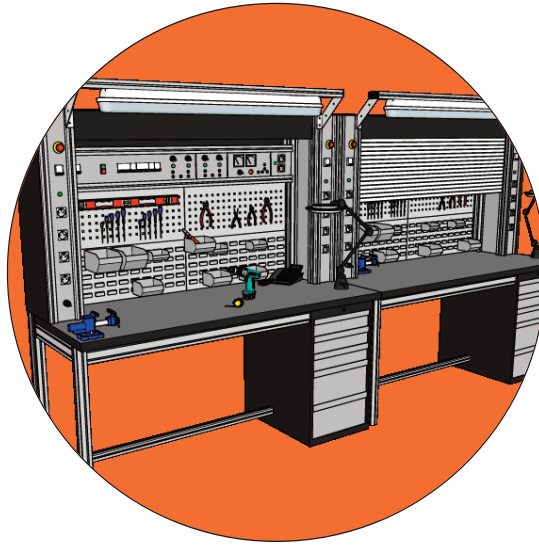
The front face is engraved in the part. Symbols, icons, logos or customisations can be engraved on the front. The engraving in the part is impervious to abrasion and cannot be removed.



Earthing strip

All earth connections are individually wired on a standard strip. (cf: NF-C15100)

Technical furniture made to measure



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