

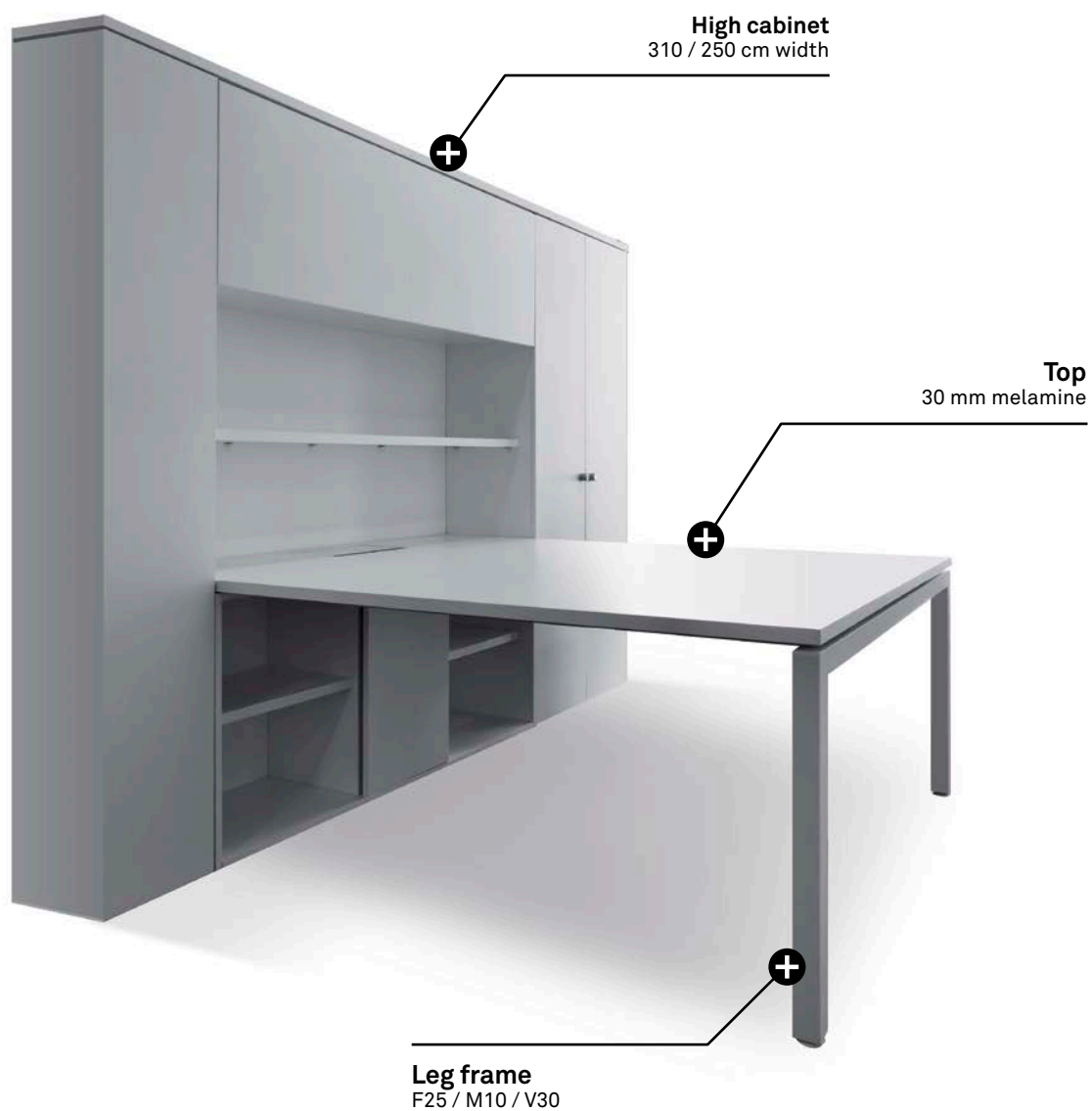
Forma 5

TECHNICAL FEATURES

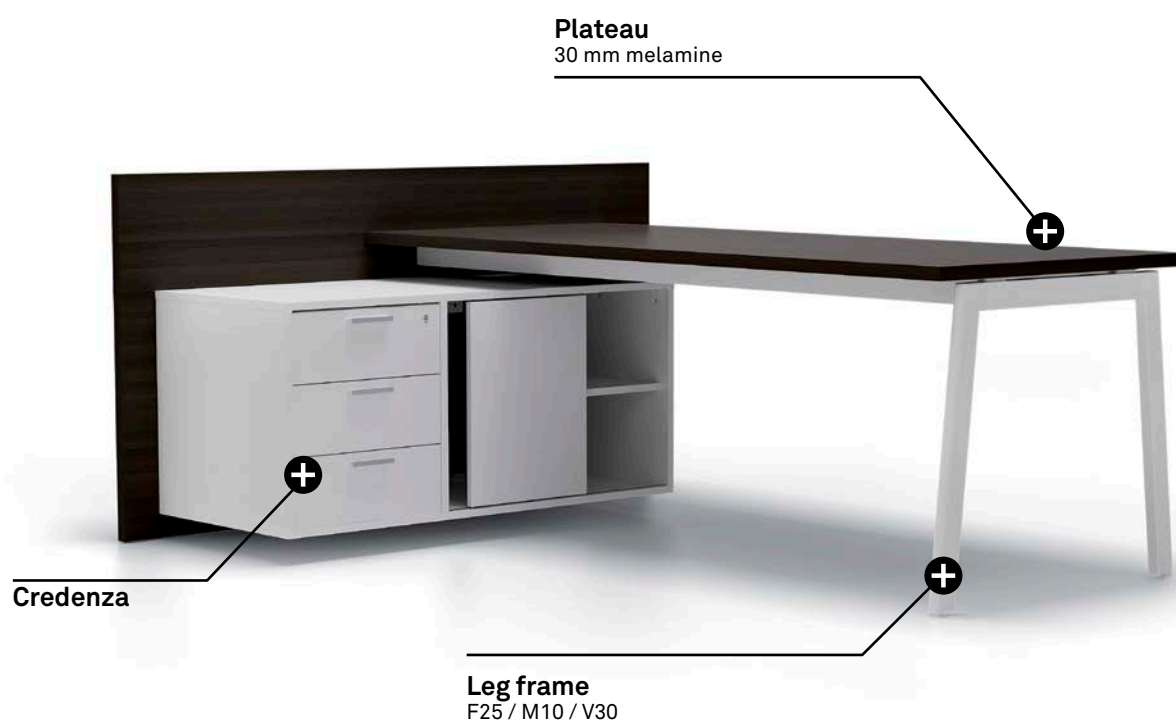
SEMI-EXECUTIVE



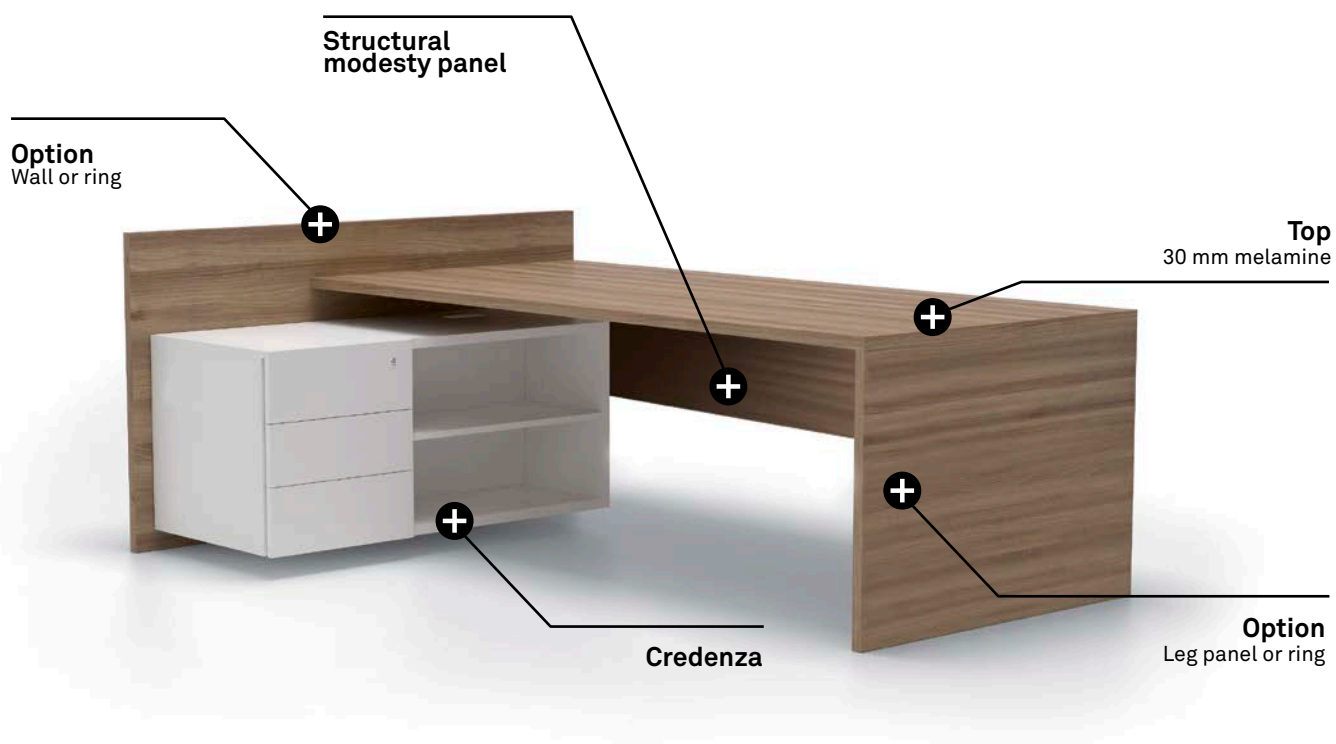
DESK + HIGH CABINET



DESK + CREDENZA



V30 + CREDENZA



ELEMENT DESCRIPTION

TOP

30 mm thick melamine particle board. 2 mm thick thermofused edges around the perimeter. Drilled underneath to allow the assembly. Cable management with polyamide standard, aluminum or melamine top access with anti-dust brush. The average 30 mm thick board density is 610 kg/m³.

PEDESTALS

F25 LEG FRAME

50 x 50 x 2 mm square steel tubes. 100 micron epoxy paint layer. Legs meet cross bar in a 45° angle joint. Floor support with levellers to keep straight the desk surface.

M10 LEG FRAME

60 x 30 x 2 mm thick semi-oval tube. 100 micron epoxy paint layer. Legs meet crossbar with a 45° angle. The leg frame has a trestle shape. Polypropylene levellers. 60 x 30 x 2 mm beam as desk top support.

V30 LEG FRAME

60 x 30 x 2 mm steel tube, cut and welded together in a 45° angle, forming a rectangle. 100 micron epoxy paint layer. 60 x 30 x 2 mm beam as desk top support.



F25

M10



V30

SEMI-EXECUTIVE FURNITURE WITH HIGH CABINET

CABINET

3 module cabinets. The first and third modules are formed by a cabinet with overload shelves (30 mm thick) and doors with handles (locks are provided in the handle and both may be opened with the same key). The first module is always 80 cm and the second one may be 80 or 45 cm.

The central module is formed by 2 upper doors without handles, a central overload shelf (30 mm thick) and a desk support cabinet with electrifiable CPU holder (with door) and cable management tray included and two spaces with shelves.



High cabinets

SEMI-EXECUTIVE FURNITURE WITH CREDENZA

TOP AND MODESTY PANEL

30 mm thick melamine pedestal type wall with a higher height and depth, and F25, M10 or V30 metal pedestals. Optional 30 mm thick modesty panel.

CREDENZA

Hanging from the wall and from the metal framework. 19 mm thick melamine framework. Dimensions: 1200 x 550 x 550 mm. 3 elements: drawer (3 drawers or 1 drawer and 1 filing drawer), a CPU space and a shelf. It includes a sliding door and desk grommets.



Credenza

V30 SEMI-EXECUTIVE FURNITURE

TOP

30 mm thick melamine particle board. 2 mm thick thermofused edges around the perimeter. Drilled underneath side to allow the assembly. Cable management with standard or melamine top access with anti-dust brush.

CREDENZA

Type 1: hanging from the wall and from the metal framework. 19 mm thick melamine framework. Dimensions: 1200 x 550 x 550 mm. 3 elements: drawer (3 drawers or 1 drawer and 1 filing drawer), a CPU space and a shelf. It includes a sliding door and desk grommets. With handles.

Type 2: hanging from the wall and the metal framework. Formed by 19 mm thick melamine framework with 10 mm thick reinforced inside. Dimensions: 1200 x 550 x 550 mm. 2 elements: pedestal (3 drawers or 1 drawer + filing drawer), and a space with shelves. Without handles.



V30

CABLE MANAGEMENT

1. As for the accessibility, we highlight 2 possibilities:

- **Polyamide top access:** polyamide part outer dimensions are 245 mm x 125 mm x h: 25 mm. The inner has a gap of 225mm x 90mm for the cable management. Set of two pieces made of polyamide with 10% glass fiber and 20% microspheres.
- **Aluminium top access:** aluminium extrusion piece which gives access to the installation through a rectangular area of 360 x 120 mm in the desk. You have several options for placing the desk if necessary. Same finishes as the framework.



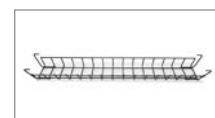
Polyamide top access



Aluminium top access

2. As for the distribution, we highlight:

- **Removable wire cable trays:** electrowelded wire tray Ø 5 mm rod. Fix to the tap by metal plates.
- **Metal cable tray to service power:** metal cable tray to service power outlet, made of steel sheet, 1,2 mm thickness and 300 mm in length. Possibility of setting a power block. Fixing in the desk top with wooden screws. outlet
- **Metal cable pillar:** 1,5 mm thick metal pillar. Section 71 x 70 mm, base 160 x 160 mm. Overall height 572.5 mm.
- **Cable spine for electrification:** spiral thermoplastic material, anchored to the top by screws and to the ground with a pedestal base. Silver gray finish.
- **Adjustable cpu cabinet:** support folded metal sheet, 2 mm thick. Adjustable height and width to suit different dimensions. Screwed to desk top. Flexible polyurethane protections to prevent vibration and to ensure an optimal fit.
- **Power cable and extension cable:** 3 x 1,5 mm² cable 250V 16A with grounding.
- **4 way power block:** 16A 250V sockets with 3 x 1.5 mm² power cable. CAT5E network cable.
- **3 Way power block with 2x rj45 data:** 16A 250V sockets with 3 x 1.5 mm² power cable. CAT5E network cable.



Removable wire cable trays



Metal cable tray to service power



Removable wire cable trays



Metal cable tray to service power



Removable wire cable trays



Metal cable tray to service power



Removable wire cable trays



Metal cable tray to service power

CONFIGURATIONS AND DIMENSIONS

WORKSTATION WITH HIGH CABINET

F25 h: 75,1 cm / M10 h: 74 cm / V30 h: 74 cm

	<p>F25 / M10 / V30</p> <p>A/a1 x B/b1</p>	<p>150/195 x 150/310 150/195 x 125/250</p>
	<p>F25 / M10 / V30 WITH TUCKED IN LEG FRAME</p> <p>A/a1 x B/b1</p>	<p>150/195 x 150/310 150/195 x 125/250</p>

HIGH CABINETS

F25 h: 75,1 cm / M10 h: 74 cm / V30 h: 74 cm

	<p>WIDTH 310</p> <p>A/a1/a2 x B x h</p>	<p>310/150/80 x 45 x 206</p>
	<p>WIDTH 250</p> <p>A/a1/a2 x B x h</p>	<p>250/125/80/45 x 45 x 206 250/125/80/45 x 45 x 206</p>

CREDENZA-BEARD WORKSTATION

F25 h: 75,1 cm / M10 h: 74 cm / V30 h: 74 cm

	<p>F25</p> <p>A x B/b1</p>	<p>200 x 80/170 180 x 80/170</p>
	<p>M10</p> <p>A x B/b1</p>	<p>200 x 80/170 180 x 80/170</p>
	<p>V30</p> <p>A x B/b1</p>	<p>200 x 80/170 180 x 80/170</p>

CONFIGURATIONS AND DIMENSIONS

HANGING CREDENZA

	<ul style="list-style-type: none"> - 3 DRAWERS, CPU HOLDER AND SPACE WITH SHELF WIDTH 250 - DRAWER + FILING DRAWER, CPU HOLDER AND SPACE WITH SHELF 	$A \times B \times h$	$120 \times 55 \times 55$
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MODESTY PANELS

	$A \times h/C$	$170 \times 30/200$ $150 \times 30/180$
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V30 - RECTANGULAR DESK

	$A \times B \times h$	$220 \times 100 \times 74$ $200 \times 100 \times 74$
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V30 - MODESTY PANEL FOR RECTANGULAR DESK

	$A \times h/C$	$190 \times 30/220$ $170 \times 30/200$
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V30 - RECTANGULAR DESK WITH CREDENZA LEG FRAMES / BOARD SUPPORT

	$A/a1/a2 \times B/b1 \times h$	$(222/230)/220/(55/58) \times 100/223 \times 74$ $(222/230)/220/(55/58) \times 100/166 \times 74$ $(202/210)/200/(55/58) \times 100/223 \times 74$ $(202/210)/200/(55/58) \times 100/166 \times 74$ $(182/190)/180/(55/58) \times 100/223 \times 74$ $(182/190)/180/(55/58) \times 100/166 \times 74$
	$A/a1/a2 \times B/b1 \times h$	$223/220/(58/61) \times 100/220 \times 74$ $223/220/(58/61) \times 100/160 \times 74$ $203/200/(58/61) \times 100/220 \times 74$ $203/200/(58/61) \times 100/160 \times 74$ $183/180/(58/61) \times 100/220 \times 74$ $183/180/(58/61) \times 100/160 \times 74$

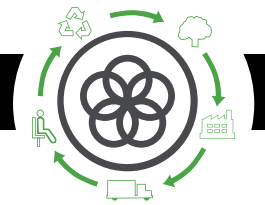
CONFIGURATIONS AND DIMENSIONS

V30 - MODESTY PANEL FOR RECTANGULAR DESK WITH LEG FRAMES SUPPORT

<p>A</p> <p>h:30</p>	A x h/C	190 x 30/220 170 x 30/200 150 x 30/180
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V30 - HANGING CREDENZA WITH LEG FRAMES / BOARD SUPPORT

<p>A</p> <p>h:55</p> <p>B:55</p>	WITH HANDLES - 3 DRAWERS, HANGING SHELF, CPU HOLDER - DRAWER + FILING DRAWER, HANGING SHELF, CPU HOLDER	A x B x h	180 x 55 x 55 120 x 55 x 55
<p>A</p> <p>h:55</p> <p>B:58</p>	WITH INNER FACING WITHOUT HANDLES - 3 DRAWERS - DRAWER + FILING DRAWER	A x B x h	180 x 58 x 55 120 x 58 x 55



Life Cycle Analysis
SEMI-EXECUTIVE Program



RAW MATERIALS						
	F25		M10		V30	
Raw Material	Kg	%	Kg	%	Kg	%
Steel	17,63	46	30,67	52	30,06	57
Plastics	0,87	2	0,64	1	0,69	1
Wood	20,09	52	27,16	47	21,45	42

% Recycled material= 52% (F25) - 52% (M10) - 58% (V30)
 % Recyclable materials= 99%

Ecodesign

Results reached during the life cycle stages



MATERIALS

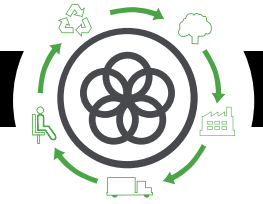
Wood
 70% of the wood material is recycled, has PEFC/FSC and complies within the E1 standard.

Steel
 15%-99% recycled material.

Plastic
 30%-40% recycled material.

Paintings
 Powder painting without COV emissions

Packings
 100% recyclable with inks with no solvents.



PRODUCTION

Raw materials use optimization

Board, upholstery and steel tubes cut.

Renewable energies use

reducing the CO2 emissions. (Photovoltaic pannels)

Energy saving measures

in all production process

COV global emission reduction

of the production processes by 70%.

Podwer painting

ecoverly of 93% of the non deposited painting

Glue removal from the upholstery

The facilities have an internal sewage for liquid waste.

Green points

at the factory

100% waste recycling

at production process ans dangerous waste special treatment.



TRANSPORT

Cardboard use opmitization

of the packings

Cardboard and packing materials use reduction

Flat packings and small bulks to optimize the space.

Solid waste compacter

which reduces transport and emissions.

Light volumes and weights

Transport fleet renewal

reducing by 28% the fuel consumption.

Suppliers area reduction

Local market power and less pollution at transport.



USE

Easy maintenance and cleaning

without solvents.

Forma 5 guarantee

The highest quality

for materials to provide a 10 year average life of the product.

Useful life optimization

of the product due to a standarized and modular design.

The boards

with no E1 particle emission.



END LIFE

Easy unpacking

for the recyclability or compound reuse.

Piece standarization

for the use.

Recycled materials used for products (% recyclability):

Wood is 100% recyclable.
Steel is 100% recyclable.

With no air or water pollution

while removing waste.

Returnable, recyclable and reusable packing

Product recyclability 99%

MAINTENANCE AND CLEANING GUIDE

MELAMINE PIECES

Rub the dirty spots with a wet cloth with PH neutral soap.

PLASTIC PIECES

Rub the dirty spots with a wet cloth with PH neutral soap.

METAL PIECES

- 1 Rub the dirty spots with a wet cloth with PH neutral soap.
- 2 Polished aluminium pieces can have their polish bak by covering and rubbing them with a dry cottom cloth.

GLASS PIECES

Rub the dirty spots with a wet cloth with PH neutral soap.

Do not use abrasive products in any case.

LEGAL TERMS

CERTIFICATES

Forma 5 certifies those F25/M10/V30 programme have passed tests conducted in the laboratory of internal Quality Control and TECNALIA Research Technology Center, obtaining "satisfactory" results in the following tests:

F25:

UNE-EN 14073-2:2005: "Office furniture. Storage furniture. Part 2: Security requirements".

UNE-EN 14073-3:2005: "Office furniture. Storage furniture. Part 3: Testing methods to determine the stability and resistance of the structure".

UNE-EN 14074:20005: "Office furniture. Desks and storage furniture. Testing methods to determine the resistance and durability of the mobile parts".

EN 15372: "Office furniture. Resistance, durability and security."

UNE-EN 527-1/2-3: "Office furniture. Work desks. Dimensions. Requirements. Testing methods to determine the built-in resistance and stability."

M10/V30:

UNE EN 527-1-2001 norm. Office furniture. Desks. Part 1: Dimensions.

UNE EN 527-2-2003 norm. Office furniture. Desks. Part 2: Security mechanism requirements.

UNE EN 527-3-2003 norm. Office furniture. Desks. Part 3: Testing methods to determine the stability and mechanic resistance of the structure.

Developed by R&D Forma 5