TENSE Piergiorgio & Michele Cazzaniga

2009

XXII Compasso d'Oro ADI special mention

A mono-material table with a monochromatic finish.
The important technological innovation it incorporates, combined with the tensioning capacity of the components, makes it possible to build tabletops in large sizes which remain perfectly flat and also extremely light.

Frame and tabletops
A table available in two versions:

- **Mono-material finish** in matt white, made of acrylic resin and rock minerals.

  Tabletop, edges and legs covered with a 3mm thick sheet of resin.
- **Monochromatic finish** in matt black and turtledove acrylic resin and EXTRA MATT. high-pressure stratified laminate of the latest generation.

  Tabletop in stratified laminate with mass colouration; edges and legs in acrylic resin and rock minerals.

The 35mm thick tabletop is a load-bearing composite board built with an internal frame consisting of either aluminium profiles and polystyrene filler (mono-material version), or an acrylic resin honeycomb and two outer layers of aluminium (monochromatic version).

35x35mm steel legs with internal structural tie.
The acrylic resin coating is in the same matt colours as the tabletop.

Dimensions
The table is available in 24 sizes, height 73cm.
The turtledove version can reach the maximum size of 120x300cm due to the technical limits of the materials employed to build the tabletops.

Accessories
The table is also available in a version equipped with 1 or 2 openings and an undertop tray. The openings in size 350 or 420mm are in aluminium.
A steel spring can be inserted into the pre-drilled holes (every 50cm) at the bottom of the undertop tray to group the cables on the floor together.
Finishes:

- matt white lacquer with tables in matt white
- matt black lacquer with tables in black, and turtledove.

Please note
Tense is recommended for indoor use, only.

The dimensional tolerance in both width and length is 0/+5mm.

Please specify in the order if the tables would be eventually put close one another.

Special sizes are not available

For further information about specs, please refer to pricelist, section 8.

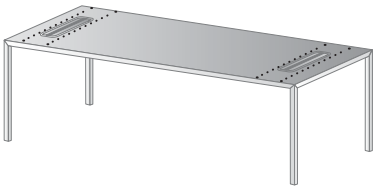
Monochromatic version (colour)

black **turtledove**

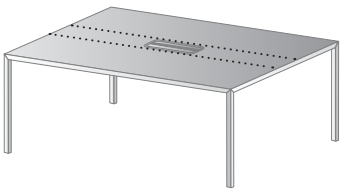
NB: with the monochromatic version, there might be a slight difference in the tone between top and frame due to the variety of materials used: extra matt for the top, and acrylic resin and rock minerals for the legs/edge.

TABLE standard version

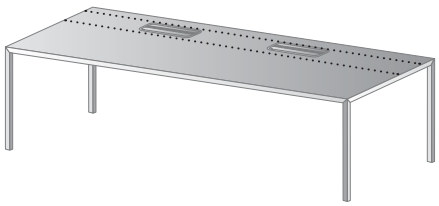
TABLES with openings for cable (not available for the brass version)



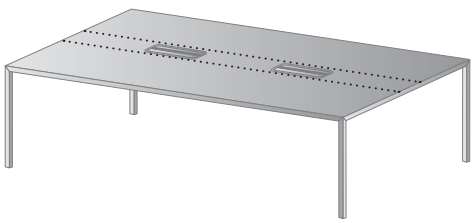
with one or two lateral openings for cable management in size 35 cm



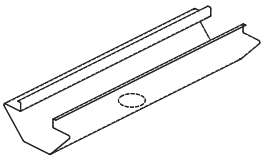
with one central opening for cable management in size 42 cm



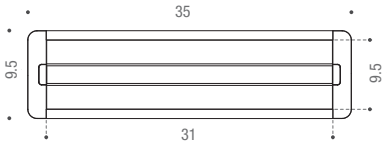
with two front openings for cable management in size 42 cm



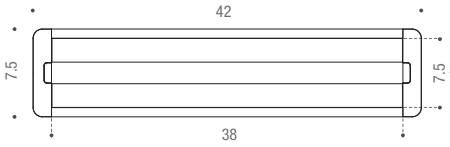
with two central openings for cable management in size 42 cm



Undertop cable tray



Opening for cable management in size 35 cm

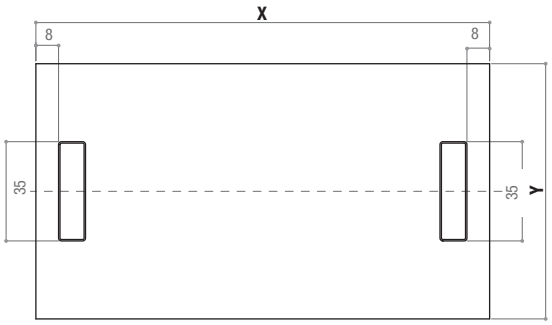


Opening for cable management in size 42 cm

TENSE cable management door position

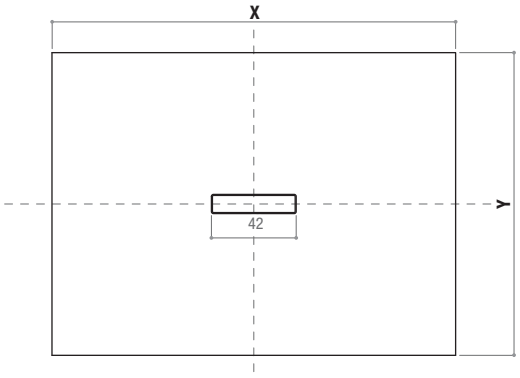
with one or two lateral openings for cable management in size 35 cm

X (cm)	Y (cm)
160	90
180	90
200	90
220	90
200	100
220	100



with one central opening for cable management in size 42 cm

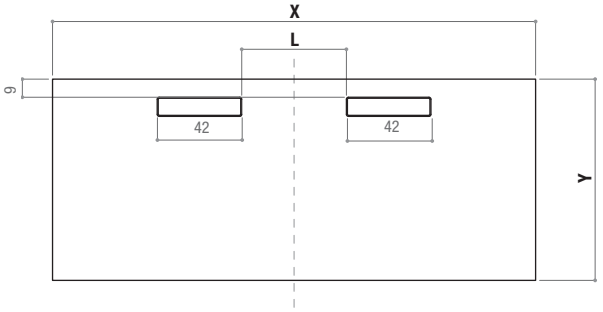
X (cm)	Y (cm)
150	150
200	150
240	150



with two front openings for cable management in size 42 cm

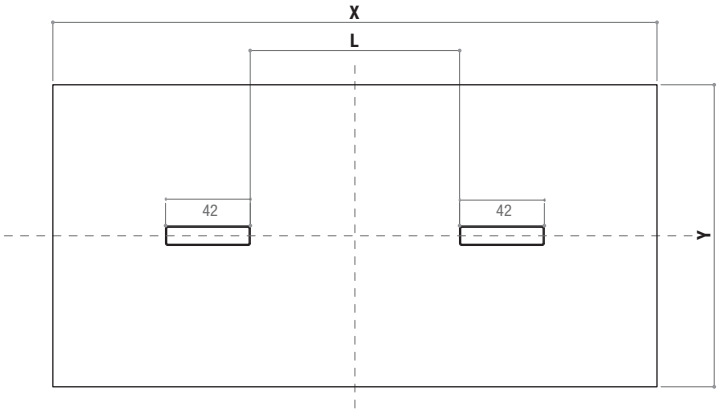
X (cm)	Y (cm)	L (cm)
240	90	52
240	100	52
260	100	64
280	100	84
300	100	104

240	120	52
260	120	64
280	120	84
300	120	104
360	120	164
400	120	116



with two central openings for cable management in size 42 cm

X (cm)	Y (cm)	L (cm)
240	120	52
260	120	64
280	120	84
300	120	104
360	120	164
400	120	116
300	150	104
360	150	164
400	150	116



MATERIALS

■ CEMENT
Robin

TECHNICAL SPECIFICATIONS

The attractive hand finished application creates tops in a variety of finishes and colours.
Thanks to this feature, each table becomes a unique, handcrafted product.

Cement is applied by hand with a stain-resistant treatment that prevents the immediate absorption of stains.

As with any material, frequent cleaning is advisable to prevent prolonged contact with dirt and liquids from causing permanent stains.

■ "UHPFRC" CEMENT
Rock Table

UHPFRC (ultra high-performance fibre reinforced cement) is a hi-tech product consisting of a cement paste of the latest generation with remarkable technical properties and virtually unlimited applications. The countless organic fibres that mix together with this paste in an apparently random and fortuitous way make up the strong binder which keeps this cement compact, yet incredibly elastic at the same time.

Main properties

- Environmentally sustainable: composed of organic fibres, it can be recycled as an inert material at the end of its life cycle. Thanks to its features, it is used in smaller quantities, so its CO2 impact is 20-40% lower than traditional cement.
- High strength: one of the most important characteristics is the high compressive strength of the material - four to eight times higher than traditional cement (130 to 200MPa). This allows the creation of complex architectures or pieces of furniture with reduced thicknesses, resulting in extremely light structures.
- Lightness: its specific weight is only 2.40 Kg/dm3, which makes it one of the lightest furnishing materials around. It's lighter than marble (2.85Kg/dm3), glass (3.20 Kg/dm3) and stainless steel (7.48Kg/dm3).
- Elasticity: its resistance to bending is 8 times greater than traditional cement.
- Impermeability: since it is not porous, this material has a high resistance to water, withstanding freeze/thaw cycles easily, and to exposure to marine environments.
- Fire resistance: the material is not flammable.
- Durability: on the listing of the BFUP (French Certification Agency), UHPFRC is included as a durable material with a guaranteed life of at least 50 years.

■ CERAMIC
K Table • Lim 3.0

Top quality ceramics, defined as porcelainized grès, resulting from a cutting-edge technology with all due respect for nature. Manufactured in Italy through a protected process covered by international patents.
Material composed of an accurate selection of the best raw materials, atomized quartz, feldspar, clay and noble kaolin mixture, pressed at 600 kg/cm2 and sintered at a temperature of 1300°C. The final plates are defined "full body" and their veins on the surface in their infinite shades, cross the plates' whole thickness to recur in the back.

Each one is different from the other, each one is original, but perfectly comparable with quarry materials.

- Resistant to chemicals and staining agents
- Non absorbent to water, detergents and acids
- Extreme surface hardness (abrasion with diamond blades only)
- High resistance to loads and abrasion
- Frostproof
- Non-flammable
- Durability of colour characteristics
- It does not emit any toxic substances
- Stress-resistant if heated by flames

Compliance with regulations:

The material are eligible to bear the product marks issued by UNI since conforming to the tests prescribed by current international standards.
UNI EN ISO 10545.2 (dimensional tolerances and surface quality)
UNI EN ISO 10545.3 (water absorption)
UNI EN ISO 10545.6 (resistance to deep abrasion)
UNI EN ISO 10545.8 (coefficient of linear thermal expansion)
UNI EN ISO 10545.9 (thermal shock resistance)
UNI EN ISO 10545.13 (chemical resistance)
UNI EN ISO 10545.12 (frost resistance)
UNI EN ISO 10545.14 (stain resistance)
thus ensuring their compliance with DIN 51094 (colour resistance to light)

Environmental certification:

The whole manufacturing process has been certified to UNI EN ISO 9001 (quality system certification), to UNI EN ISO 14001 (environment management certification), to EMAS for environmental compatibility and compliance with the Community Eco-Management System and at last to ANAB for bio-architecture (waste reduction and environmental impact).

■ CERAMILUX®
Flow Low Table • S Table with black stand

TECHNICAL SPECIFICATIONS

CERAMILUX® is a material composed of natural minerals (calcium carbonates and aluminium trihydrates) and polyester resin. The gelcoat film coating the surface of the material is made of a highly-resistant acrylate polyester.

CERAMILUX® shows a good resistance to shocks and stress, to bending stress, tractions and compression: this allows it to obtain certain thicknesses without the support of other materials, thus creating self-supporting products.

CERAMILUX® is a high-quality material with an excellent resistance to shocks, sudden changes of temperature and to wear, typical of the home environment. Good resistance to chemical agents and sun rays.

■ CRISTALPLANT®
Flow Low Table • S Table with white stand

TECHNICAL SPECIFICATIONS

CRISTALPLANT® is a unique highly-advanced composite material made up of a high percentage of natural minerals (ATH derived from bauxite) and a small percentage of extremely pure polyester and acrylic polymers; thus it is an inert hypoallergenic and non-toxic material.

CRISTALPLANT® is a 100% made-in-Italy solid surface.

CRISTALPLANT® is 100% recyclable, fireproof (class 1), with a high UV resistance; it is compact and non-porous, hygienic and with a soft texture thanks to its velvet finish similar to natural stone.

CRISTALPLANT® is 100% restorable, ie it can be brought back to its original condition simply with a detergent and an abrasive sponge (also cigarette burns can be removed). Its characteristics of durability and restorability make it eco-compatible .

■ FENIX NTM®
Grafo low table • Lim 3.0 • Extension

Fenix NTM is a newly-conceived material produced through thermo-lamination, the simultaneous application of heat (about 150°C) and specific high pressure (>7MPa): these factors allow to obtain, as end result, a homogeneous, non porous and high-density product. The core structure of FENIX NTM is composed of kraft paper impregnated with thermosetting resin. The external surface features a decorative paper obtained through new generation resins, capable of obtaining a high level of opacity. A property highlighted by the NTM Acronym: NanoTechMatt, i.e. matt effect enabled by nanotechnology. This special surface treatment makes sure the material has a high resistance to scratch and heat, soft touch, low light reflectivity, thermal healing of micro-scratches, enhanced anti-bacterial property, mould-resistant, hydro-repellent, high resistance to stains, acid solvents and household reagents, antistatic.

Main features

- High resistance to scratch, abrasion and heat
- Anti-fingerprint
- Soft touch
- Low light reflectivity (extremely matt finish, a property highlighted by the NTM Acronym NanoTechMatt, i.e. matt effect enabled by nanotechnology)
- Thermal healing of micro-scratches
- Enhanced anti-bacterial property
- Mould-resistant
- Hydro-repellent
- High resistance to stains, acid solvents and household reagents
- Antistatic

■ KERAMIK
Keramik • Desk

TECHNICAL SPECIFICATIONS

Laminated ceramic features uniquely peculiar technical characteristics thanks to the innovative methods of ceramic treatment and production (laminated-porcelainized thin gres).

- Extreme surface hardness (comparable to topaz) and high bending strength.
- Resistant to stains, water, detergents and acids.
- Not inflammable,reaction to fire: class 0.
- Inalterability of the chromatic characteristics.
- It doesn't release toxic substances and there is no warping if heated with open flame

CATAS TESTS PERFORMED ON CERAMIC

- fastness to light UNI 9427/89
- resistance to cold liquids EN 12720/97
- tendency to hold dirt UNI 9300/88 and FA276/89
- scratch resistance UNI9428/89
- reaction of surfaces to detergents PTP53/95

Other tests related to technical characteristics:

- fire resistance, wearproof, hardness resistance, abrasion resistance and water absorption resistance

The material can have slight impurities, due to the particular production treatments, still accepted quality standards are complied with.

■ EXTRA MATT LAMINATE
Tense

EXTRA MATT interprets high-pressure stratified laminate in a new way. Compact and extra-thick, with mass coloration, it was developed to offer the finest characteristics that are typical of laminated products, with special emphasis on decorative appearance.
Extra matt laminate features 3/5 gloss opaqueness with a satiny, silky feel and has a special surface treatment that eliminates the effect of sweaty, oily fingerprints to remain intact and stain-free.
Thanks to its great surface strength, it's suited for domestic usage, where special resistance to abrasion and scratching is especially needed.

Main properties

- Resistant to scratching, abrasion and heat
- Resistant to dry heat
- Resistant to fingerprints
- Soft touch
- Unaffected by steam
- Stable when exposed to light
- Resistant to stains, and to domestic solvents and reagents

■ RESIN
Desk • Ext-Table • Tense • T Table • Yale Low Table

TECHNICAL SPECIFICATIONS

The resin is composed of natural minerals and very fine acrylic, mass-pigmented in white. The most advanced production process ensures the highest quality of the surface and high technical performance.

Technical specs:

- It does not absorb: it is non-porous and extremely resistant to stains
- Its colour does not change over years
- It is ecological and hygienic thanks to the acrylic resin
- Easy to clean: no special care is required. For everyday cleaning, simply use a damp cloth and a soft cleanser.
  Stubborn stains, scratches and small cigarette burns can be removed with an abrasive creamy detergent.

■ HPL (mass colour)
T Table

High pressure laminate (HPL) in thickness 10 mm, is composed of several layers of paper soaked in thermosetting resin and compacted in a heating- and high pressurizing process. The result is a stable product with physical and chemical characteristics that are very different from the elements used to make it.
Due to the high temperature and pressure treatment in the production process, HPL is an extremely strong material: resistant to scratches, hits, abrasions, chemicals and heat.

Maintenance:
HPL does not require any specific maintenance, only regular cleaning is suggested. The compact, non-porous surface can be easily cleaned and disinfected with warm water or steam and with all types of common detergents and disinfectants for home use, as long as they are not alkaline.

HPL is also very durable, therefore only a few precautions are necessary:
• avoid using strong acids or bases
• avoid rubbing the surface with very abrasive substances or tools (such as sandpaper or scour pads).

HPL is anti-static, and therefore does not attract dust. It does not require waxing or treatments with products containing wax. On the contrary, these products tend to form a sticky film on the surface which traps dirt.

MATERIALS

■ BRASS
Link1-Link2 • Tense material

Brass is a copper and zinc alloy, a material used mainly where a good mechanical resistance is required, but also for a merely decorative and aesthetic use. Brass sheets, specifically 0.5mm thick, are produced through continuous casting and following lamination. Shares of zinc are variable depending on needs and end-use. The material used in our products is, in detail, a special alloy defined OT.63: its workability is better than other alloys, it can keep the material's key features unaltered.

The unique product's surface finish and its particular dystonic and non uniform nature, is manually moulded by non mechanic or automated sanding, that is synonymous with care, professionalism and focus on every single detail of the end product. Each one different from the other, each one original, but perfectly comparable with all the others.

Maintenance
Brass is a metal alloy. It features an excellent mechanical and chemical resistance, yet, at the same time, it is delicate due to its particular surface.

In order to avoid stains and spots, the operations described hereafter must be carried out on the whole surface, by making circular movements. For ordinary maintenance, use a soft cloth moistened with water. For deep cleaning, please use a soft cloth moistened with a small amount of non-abrasive neutral detergent without ammonia and/or vinegar (for instance a degreaser). At the end of the operation, rinse the surface with a soft cloth dampened with water and dry with a dry soft cloth.

It is recommended:

- To use mild soap and water and to dry with a clean soft cloth;
- To use any common neutral detergent, provided it does not contain neither chlorine nor chlorine derivatives, such as bleach and muriatic acid, ammonia and vinegar;
- Do not use any abrasive materials that would unavoidably scratch the surface;
- Avoid shocks and etchings by using blunt items capable of scratching the surface, subsequently removing its protective section;
- Avoid any deposit and prolonged retention of liquids to prevent long-lasting stains and marks from forming. Any liquids must be removed as soon as possible;
- Do not use any alcohol, stain removers, diluent, acetone, trichloroethylene, vinegar, ammonia, bleach, limescale remover, as well as liquids containing such substances;
- Do not use any abrasive powder detergents, capable of damaging the aesthetic and surface finish look;
- Do not drag any objet on the top and do not insist to clean a single area of the top (it may alter its opacity);
- Try not to lay hot pots and objects, as well as ovens or small ovens that may cause deformations and yellowings.

■ WOOD
Link1-Link2 • Tense material

3 mm thick natural oak solid wood, with thermal bio-treatment got through the combined use of heat and steam, without adding any chemical additives.
Heat treatment transforms the features of the wood itself. The natural, original predisposition of wood to twists, bends, swellings and shrinks in different humidity conditions is reduced by 50%. Heat-processed wood is very stable in variable climate and environmental conditions and it assumes warm and deep shades of colour.
The beauty of wood remains unaltered, heat treatment varies its colour without resorting to any chemical dyes, without using any harmful substances, taking on quite a natural and unique shade.
The wooden slats, with their infinite and variable nuances, characterize the different finishes, colours and sizes of the surfaces.
The natural characteristics of the wood and of the other raw materials used are preserved. Consequently, any visual irregularities, such as splits or cracks, small holes, grains, knots or stucco work, are to be considered valuable characteristics and a sign of authenticity.

The natural surface is further enhanced by the finish: matt and smooth, and yet rough and distressed, offering the user a veritable visual and tactile experience.

Maintenance
Bio-thermal oak has an excellent chemical and mechanical resistance, yet, at the same time, it is delicate due to its particular surface.

In order to avoid stains and spots, the operations described hereafter must be carried out on the whole surface, by making circular movements.
For ordinary maintenance, use a soft cloth moistened with water. For deep cleaning, please use a soft cloth moistened with a small amount of non-abrasive neutral detergent without ammonia and/or vinegar (for instance a degreaser). At the end of the operation, rinse the surface with a soft cloth dampened with water and dry with a dry soft cloth.

Warning
Since wood is a porous and natural material, it is ABSOLUTELY necessary avoid the contact and the deposit of any oily liquids.

It is recommended:

- To use mild soap and water and to dry with a clean soft cloth
- To use any common neutral detergent, provided it does not contain neither chlorine nor chlorine derivatives, such as bleach and muriatic acid, ammonia and vinegar;
- Do not use any abrasive materials that would unavoidably scratch the surface;
- Avoid shocks and etchings by using blunt items capable of scratching the surface, subsequently removing its protective section;
- Avoid any deposit and prolonged retention of liquids to prevent long-lasting stains and marks from forming. Any liquids must be removed as soon as possible;
- Do not use any alcohol, stain removers, diluent, acetone, trichloroethylene, vinegar, ammonia, bleach, limescale remover, as well as liquids containing such substances,
- Do not use any abrasive powder detergents, capable of damaging the aesthetic and surface finish look
- Do not drag any objet on the top and do not insist to clean a single area of the top (it may alter its opacity)
- Try not to lay hot pots and objects, as well as ovens or small ovens that may cause deformations and yellowings.

■ RECONSTITUTED STONE
Link1-Link2 • Tense material

Stone, cleverly reconstructed through a blend of natural and industrial materials, artificially reproduces the sedimentation process of river sandstones. This reclaimed stone-based blend enables to get quite a natural and smooth surface, soft to the touch.

This excellent element mixture generates irregular shades and colours, typical of sedimentary rocks and it is further increased by its handmade application on the products. Manual application highlights surface non-uniformity, making every element unique and original, a guarantee of preciousness and uniqueness of the finished product.

Maintenance
Stone has an excellent mechanical and chemical resistance, yet, at the same time, it is delicate due to its particular surface.

In order to avoid stains and spots, the operations described hereafter must be carried out on the whole surface, by making circular movements.
For ordinary maintenance, use a soft cloth moistened with water. For deep cleaning, please use a soft cloth moistened with a small amount of non-abrasive neutral detergent (for instance a degreaser). At the end of the operation, rinse the surface with a soft cloth dampened with water and dry with a dry soft cloth.

It is recommended:

- To use mild soap and water and to dry with a clean soft cloth
- To use any common neutral detergent, provided it does not contain neither chlorine nor chlorine derivatives, such as bleach and muriatic acid
- Do not use any abrasive materials that would unavoidably scratch the surface;
- Avoid shocks and etchings by using blunt items capable of scratching the surface, subsequently removing its protective section;
- Avoid any deposit and prolonged retention of liquids to prevent long-lasting stains and marks from forming
- Do not use any alcohol, stain removers, diluent, acetone, trichloroethylene, ammonia, bleach, limescale remover, as well as liquids containing such substances,
- Do not use any abrasive powder detergents, capable of damaging the aesthetic and surface finish look
- Do not drag any objet on the top and do not insist to clean a single area of the top (it may alter its opacity)
- Try not to lay hot pots and objects, as well as ovens or small ovens that may cause deformations and yellowings.

■ MARBLE
S Table

For everyday cleaning use a soft sponge and a very small quantity of neutral detergent.
Please always read the detergent's label before use. If marble is not included as an example of washable surface, avoid its use: in this case, simply use water.
Do not use anti limestone detergents or any cleanser containing it, powders or abrasive sponges, aggressive products such as ammonia and acetone, and acid detergents.
Acid agents must be immediately removed. Also lemon and Coke, should these come into contact with the material, may damage the marble permanently even if treated with anti-stain treatments.
Variations on marble surfaces can occur. These imperfections give marble its individual character.