

INTERLOCKING SYSTEM



MODULAR ECO-FRIENDLY JOINTS



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A REDUCED ENVIRONMENTAL IMPACT SYSTEM



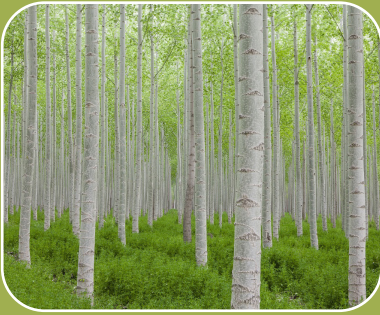
From a bet between the Research & Development department and management of Centruificio S.p.A. CUF Milano came the idea of creating an office product totally free of mechanical joints. This product uses materials from sustainable cultivation, incorporated in a logic of controlled culling, and follows production cycles with reduced environmental impact.

In parallel, it was decided to recover ancient woodworking methods, while maintaining a high quality of craftsmanship, also thanks to the use of modern computerised production lines. Using a Nexting CNC machining centre, which allows machining and sectioning with optimised cuts and reduced waste, the three basic elements of the Interlocking System are created: top, side and crosspiece. These are assembled together by means of tenon or bayonet joints, thus defining the spatial volume of the operating workstation.

The system is modular and serial-extending: from the minimum configuration, with two operators arranged face to face, components can be added to obtain configurations for 4, 6 and more operators. In the case of multiple workstations, the traverses engage in a staggered manner on the shared flank. The tops are designed to engage with the crossbars below, regardless of their arrangement. Italian poplar plywood, 30 mm thick and calibrated, was chosen for this product, finished with matt transparent organic paint.

IL INTERLOCKING SYSTEM

• ECOLOGICAL HIGHLIGHTS •



Pioppo italiano
// Italian poplar



Colture sostenibili
// Sustainable crops



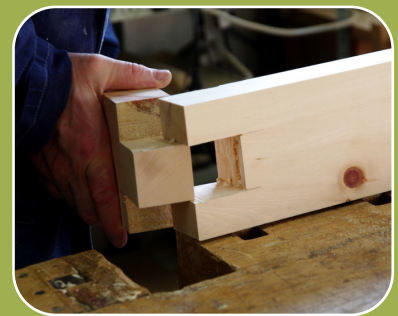
Abbattimenti controllati
// Controlled culling



**Lavorazioni a ridotto
impatto ambientale**
// Low environmental
impact process



**Nessun elemento
metallico di giunzione**
// Without any metal joins



Unione tenone - mortasa
// Tenon - mortise joints

LUIGI GLORINI

DESIGNER



The **CUF Milano Lab** department - with designer Luigi Glorini as team leader - is constantly researching the best materials, construction and design hypotheses, and details relating to office furniture. The **CUF Milano Lab** team is constantly engaged on multiple fronts: developing new furniture lines on the basis of specific design briefings that are increasingly environmentally sustainable, supporting external designers on the development of new products, revising and restyling existing furniture lines, and designing on the basis of physical product and chemical material standards.

Luigi Glorini is a multifaceted designer with thirty years of experience in the design of complete furniture lines to refer to when design requirements are such as to require specific experience and expertise in both mass production and customised furniture.

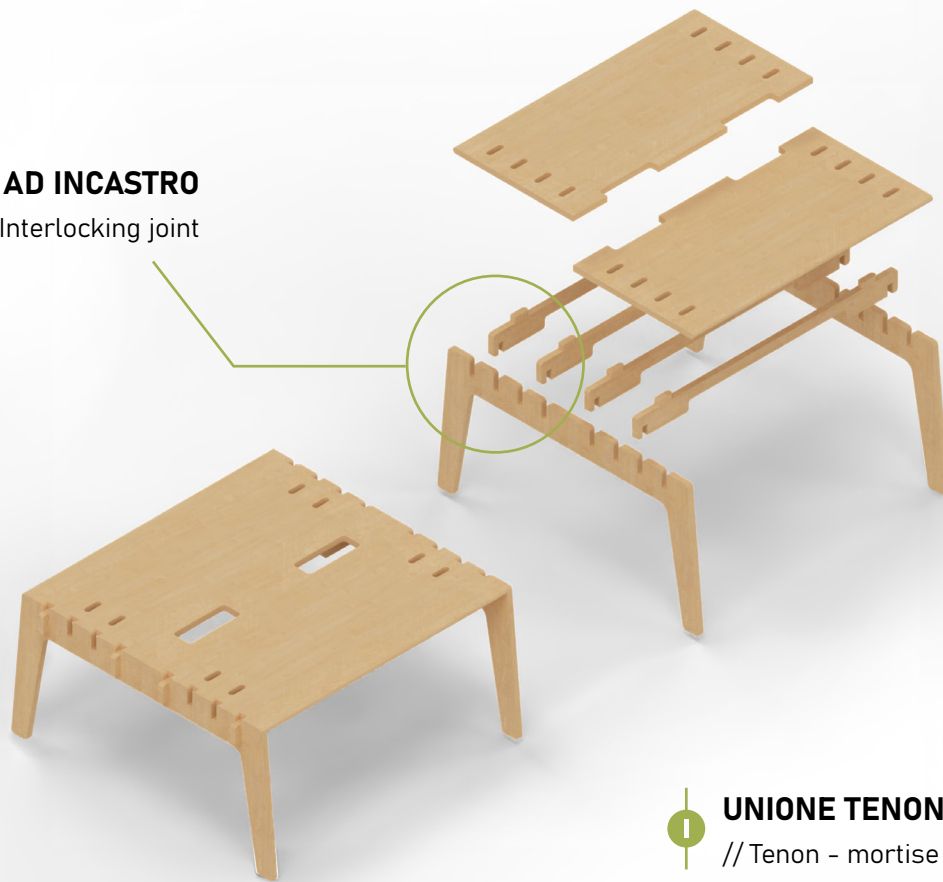


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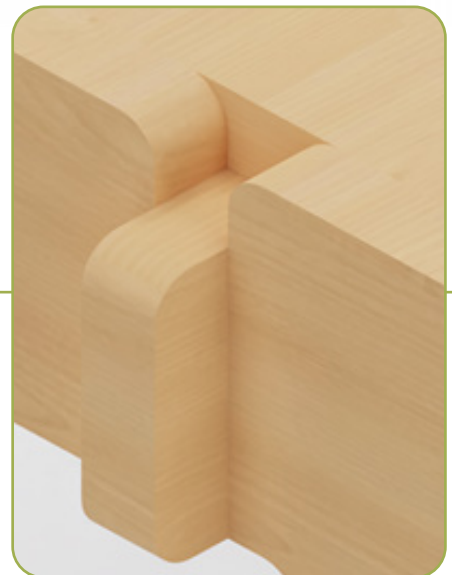
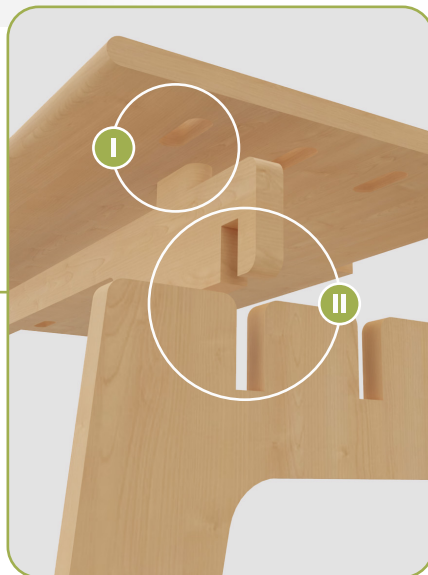
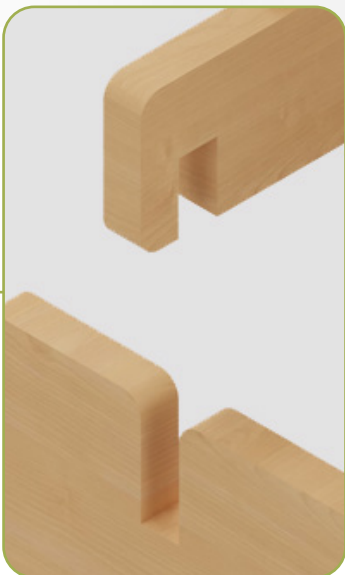
GIUNZIONE AD INCASTRO

// Interlocking joint



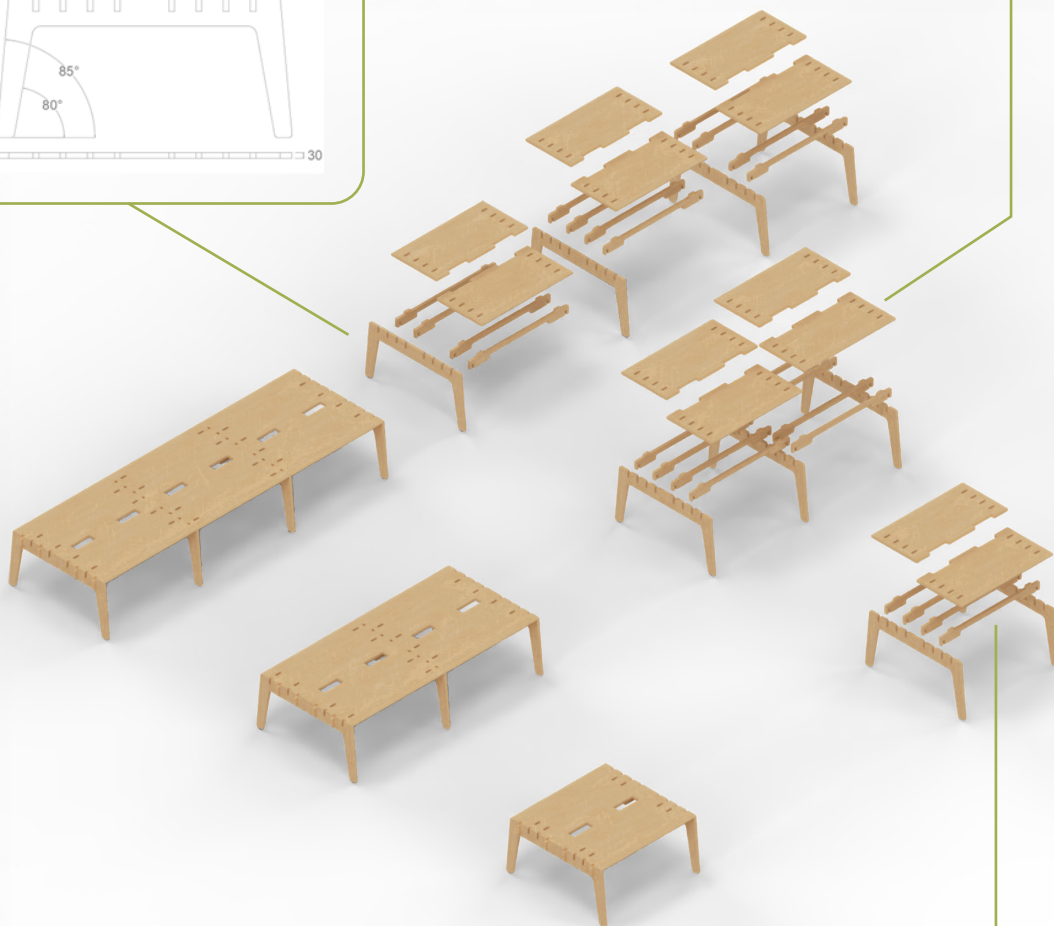
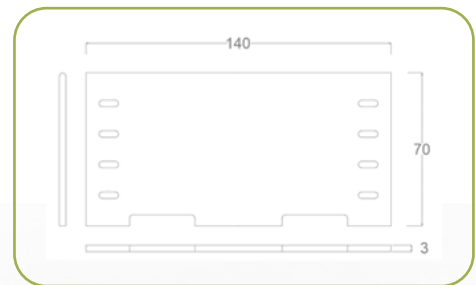
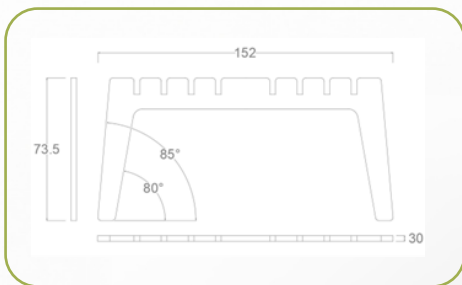
I UNIONE TENONE-MORTASA
// Tenon - mortise joints

II UNIONE A BAIONETTA
// Bayonet connection



MODULI & STRUTTURE

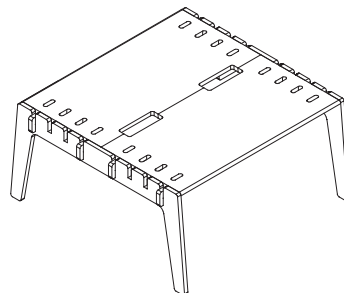
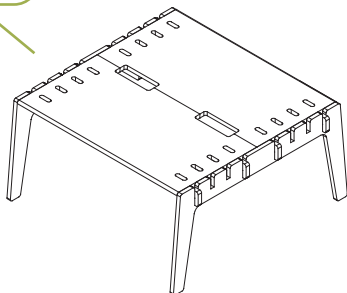
• MODULAR SERIAL EXTENSION



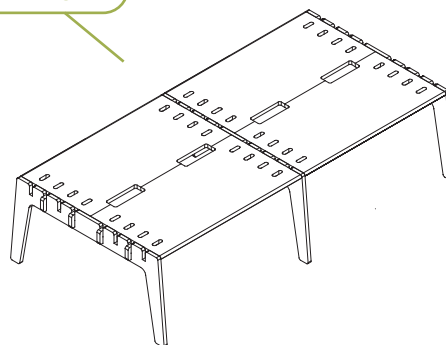
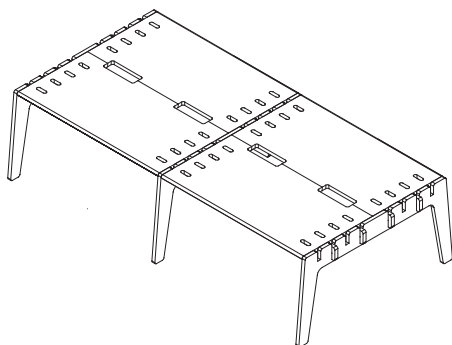
POSSIBILI SOLUZIONI

• POTENTIAL SOLUTIONS

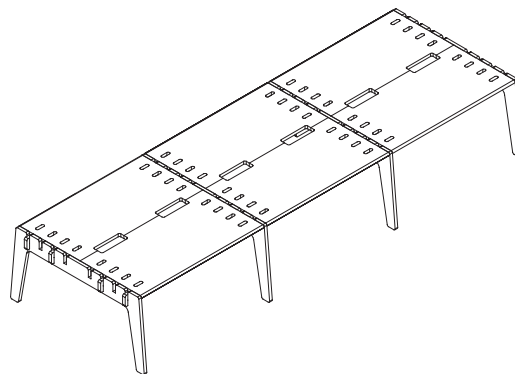
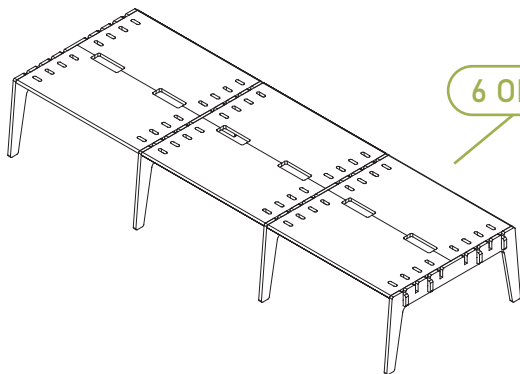
2 OPERATORI



4 OPERATORI



6 OPERATORI



L'estensione modulare consentita dal prodotto permette di ottenere configurazioni anche per un numero maggiore di operatori.

The modular extension provided by the product also allows configurations for a larger number of operators.

ASSEMBLAGGIO IN SERIE

• SERIAL ASSEMBLY SYSTEM



Innesto sfalsato delle traverse sul fianco condiviso



// Shifted joining of cross beams on shared flank

PERCHÉ IL PIOPPO?

WHY POPLARWOOD?



Poplar is an ideal wood species for plywood and multilayer, and in Italy, especially in the Po Valley, numerous clones have been selected, including the well-known 'I-214', which is also widespread abroad. Poplar cultivation has had important economic and landscape effects, supplementing agricultural incomes and promoting the development of supply chain activities.



In Italy, it takes place in an agronomic context with a reduced use of fertilisers compared to traditional crops, providing a significant alternative to forests for wood supply. Poplar, with short cycles and high quality, has contributed to the success of the domestic plywood industry and the furniture sector. It is a renewable and sustainable resource with a low environmental impact and a positive contribution to the carbon cycle, meeting today's demands for environmental friendliness and sustainable development.

CHARACTERISTICS OF POPLAR PLYWOOD

Poplar plywood is light, light-coloured, with barely visible grain and very easy to machine, glue and finish. It can be cut into large, defect-free sheets, offering a superior appearance compared to other plywoods. It is easy to install and versatile, with manufacturers increasingly looking to combine aesthetics and technical innovations to meet market demands.

USES OF POPLAR PLYWOOD

The use of poplar plywood depends on the clone chosen, which influences characteristics such as colour and density, making it suitable for furniture or structural uses with high mechanical requirements. The main uses are in furniture, but also in transport, construction and sports equipment. Italian poplar plywood is produced according to European and international standards, and the main manufacturers comply with the CE marking, thanks also to the ISO 9001 certification of their quality management systems.

Interlocking System è un prodotto brevettato (n° 015059964-0001)

Interlocking System is a patented product (No. 015059964-0001)

