طِـرَاز
Tiraz

COMPANY Profile

Crafted with care

Superior craftsmanship, distinctive design and carefully selected materials.

From design to site

Design office, production and project management under one roof.

Premium manufacturing · 2026

FURNITURE, JOINERY, ALUMINIUM AND GLASS WORKS FOR RESIDENTIAL AND CONTRACT PROJECTS.



8500
SQM PRODUCTION FACILITY

0941015180

طريق طرابلس، داخل مجمع فيتوريا

CONTENTS



01	INTRODUCTION	Who we are and our vision	P.03
02	COMPANY STRUCTURE	Facility, team and capabilities	P.04
03	DESIGN & PROJECTS	Design office, production and project management	P.05
04	OUR WORK	Aluminium, glass and wood projects by Tiraz	P.06
05	RAW MATERIALS	Panels, veneers, solid wood and hardware	P.08
06	MACHINERY	Production technology on our lines	P.11
07	QUALITY & OPERATIONS	Software, quality control and packaging	P.20
08	ENVIRONMENT	Our environmental policy	P.21
09	CONTACT	Showroom and phone	P.22

INTRODUCTION

WELCOME TO TIRAZ

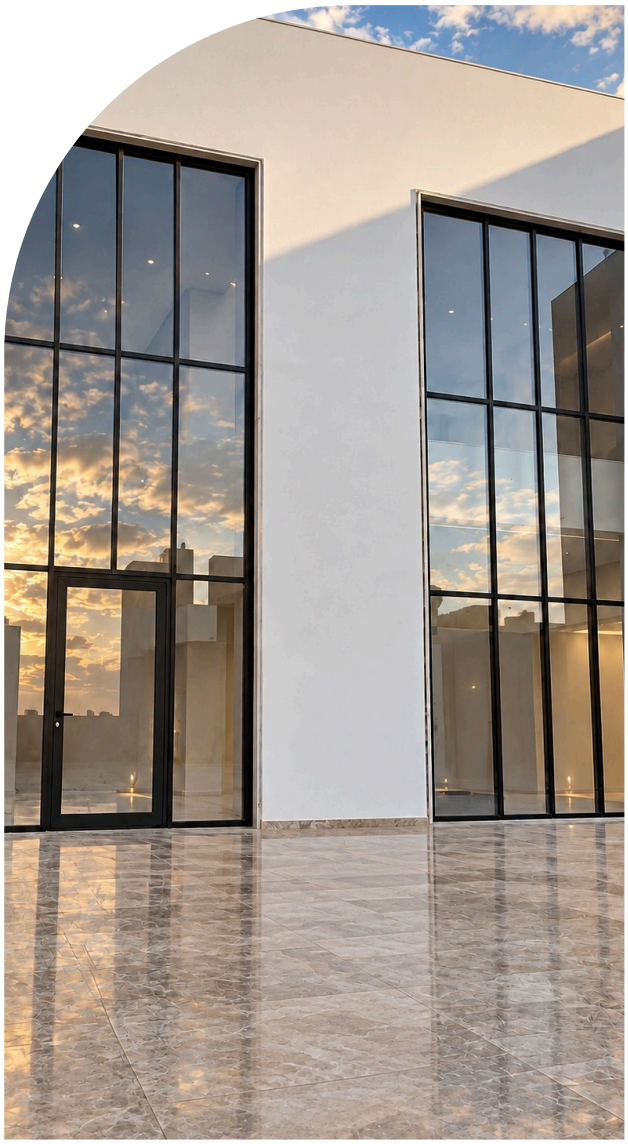
Premium Furniture Manufacturing

Manufacturing high-quality furniture for contract and residential sectors, combining superior craftsmanship, distinctive design and European standards.

OUR VISION

Tiraz operates in the furniture industry, beginning in the local market before expanding into international markets. Throughout its journey, the company has built a strong reputation for manufacturing high-quality furniture for both contract and residential sectors. Tiraz exports a significant portion of its production to various European markets, thanks to its ability to deliver products that combine superior quality and distinctive design while meeting diverse cultural preferences and standards across Europe.

طراز... تفاصيلك تميّزك



TIRAZ PROJECT · ALUMINIUM & GLASS FAÇADE

8500
SQM COVERED PRODUCTION AREA

100
QUALIFIED, TRAINED TEAM

CNC
BIESSE ITALY TECHNOLOGY

E1
GRADE MDF, WATER-BASED FINISHES

COMPANY STRUCTURE



01 Production facility with a covered area of 8500 sqm.

02 Tiraz has qualified and trained work force of 100 people.

03 Production lines include Latest Biesse Italy CNC machine technology, with high capacity production.

04 Tiraz has the working design and engineering capability to satisfy all our customers' demands.

05 The company has quality control procedures in place at all areas of design, manufacture, assembly, shipping and installation.

06 Tiraz uses green materials which include E1 grade MDF, as well as water base lacquers and adhesives to guarantee supplied products to our customers with zero emissions free from any odor or hazardous materials. Our goal is to implement an Environmental Management System (EMS) with a view to future certification.

DESIGN & PROJECTS



01
Design Office and Production Management

The design office delivers 3D and 2D drawings and complete project presentation to our customers to visualize and feel the entire furnished area. Every product running in the production has a full set of drawings and specification which include full panel processing which is covering final dimensions, drilling patterns grooving and routing.



02
Project Management

The project manager is working constantly in coordination with the client and project designers and continuously liaising with production and the project site engineers to guarantee a product that meets the design and specifications. He also ensures smooth delivery to site according to a shipping plan and actual project progress.

ALUMINIUM & GLASS

Selected Tiraz projects: façades, windows, glazed corridors and skylights.



01 ALUMINIUM & GLASS FAÇADE



02 ALUMINIUM WINDOWS



03 GLAZED CORRIDOR



04 GLASS SKYLIGHT



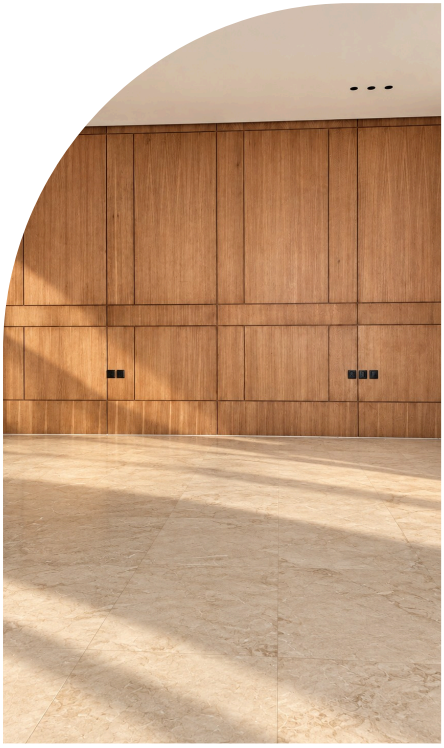
05 PYRAMID SKYLIGHT



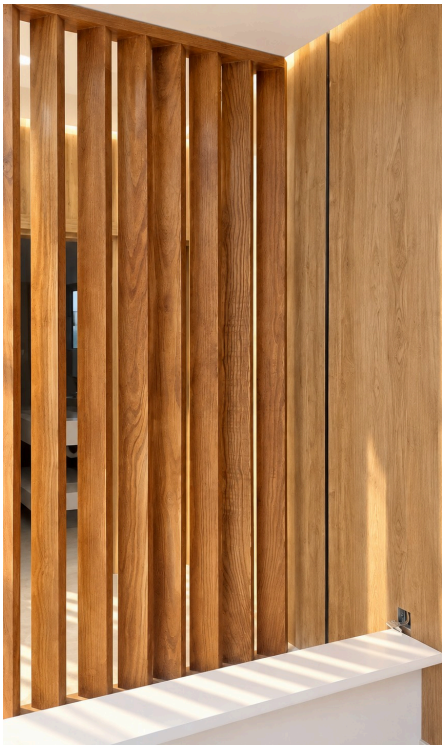
06 WINDOW & BALCONY DETAIL

WOOD & INTERIORS

Selected Tiraz projects: wall cladding, partitions, kitchens, built-in units and outdoor timber.



07 WOOD WALL CLADDING



08 TIMBER SLAT PARTITION



09 KITCHEN



10 ARCHED BUILT-IN UNITS



11 UPHOLSTERED WALL PANELS



12 TIMBER BOARDWALK

RAW MATERIALS

Panels and wood selected for stability, finish quality and durability.



01
MDF panels

Tiraz uses E1 grade European produced MDF panels with low formaldehyde percentage which is below 8 mg per 100 mgs meeting the British Standard BS EN 622-1: 2003, with thickness that ranges from 7.5 mm to 30 mm. All MDF panels are perfectly calibrated on electronic sanding machine that can guarantee a perfect and constant panel thickness through the entire surface area.



02
Veneers

We use only grade a natural American veneers of 0.6mm thickness with a humidity content of 6-8%. We also use reconstructed veneers for special projects sourced from leading Italian veneer producers



03
Solid wood

As oak and beech are still the most widely used timbers, we use premium selections of FAS grade, kiln dried wood, with moisture content that is not beyond 10%.



04
Plywood

For components requiring superior structural integrity, we utilize high-quality multi-layered Plywood, engineered with cross-grain layers to ensure maximum stability and resistance to warping.

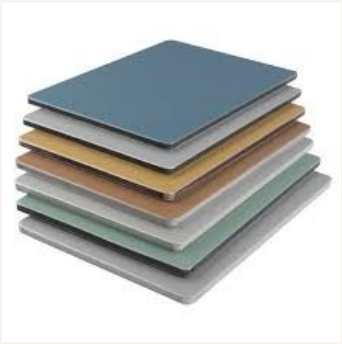
RAW MATERIALS

Composite panels, edge bands and fittings from trusted European sources.



05
Blockboard

Blockboard is our preferred engineering solution for long-span components and large furniture structures that require a lightweight profile combined with high dimensional stability to prevent bowing..



06
Composite panels

Through continuous research and development with famous international universities, we were able to achieve a perfectly stable and homogeneous light weight composite panel. Finally we are successful to lacquer composite panels with same quality as solid MDF panels in cost effective way which is in return reflected to our pricing system



07
Edge bands

1.2mm edge thickness suitable for contract furniture, as it protects the edges and gives rigidity to the panels. For prestigious projects we use pre-lacquered edge bands that identically match the surface color and finish. These products are imported from a German company specialized in pre-lacquered edges.



08
Accessories

All our accessories are imported from renowned European companies like Hafele and Blum that meets high quality standard. We regularly test our accessories fitted in all our products for stability and durability in Fira Laboratories.

RAW MATERIALS

Hardware and adhesives that keep every piece assembled and durable.



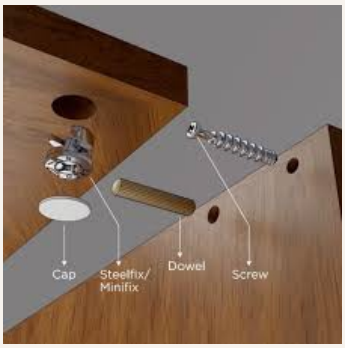
09
Runners

Concealed runners are used in all products, with some additional mechanisms like Roller catch, push open and soft closing mechanisms



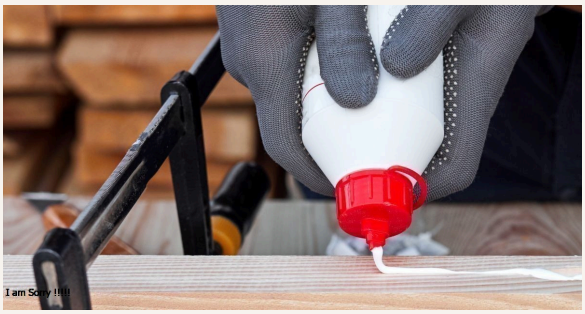
10
Hinges

As for the hinges, Tiraz uses the suitable type of hinges for each product, depending on the weight of the door, the opening angle required and the specifications of each product. For special customers requirements we use hinges with soft closing mechanism.



11
Mini-fix connectors

Regarding the assembling mechanism, Mini-fix is the easiest, fastest and most effortless mechanism used to assemble a product. The assembled product will be as rigid and structurally stable as a glued up cabinet.



12
Glue and adhesives

We are committed to the highest international quality standards by using very strong and less harmful water based adhesives which considers durability of the product and green environment. For Veneering, Our glue application machines use low content UF glue to guarantee the consistency and the uniformity of the applied quantity on the entire panel surface

MACHINERY

Production technology used across cutting, shaping, pressing, edging and finishing.



01
CNC drilling

Tiraz utilizes high-speed CNC Drilling Centers to redefine the concept of assembly precision. These fully automated systems move beyond simple hole-making, offering a "smart" approach to panel machining that ensures every component fits with surgical accuracy.

TECHNICAL HIGHLIGHTS

- **Multi-Spindle Boring Heads:** Equipped with independent spindles that can drill multiple vertical and horizontal holes simultaneously, drastically reducing cycle times.
- **Automatic Tool Changers:** Seamlessly switches between different drill bits and milling tools, allowing for complex boring, grooving, and routing in a single setup.
- **Zero-Defect Alignment:** Controlled by advanced software, the CNC system eliminates human error, ensuring that hardware holes (for hinges, dowels, and connectors) align perfectly within a tolerance of less than 0.1mm.

RESULT A modular production flow where every panel is 100% interchangeable. This precision not only speeds up the final assembly but also guarantees the structural integrity and longevity of the furniture.



02
Sanding machine

Tiraz utilizes advanced Wide Belt Sanding Centers to provide the foundational flatness and surface preparation required for premium cabinetry. These machines are engineered to handle everything from heavy thickness calibration to the delicate final "polishing" of veneered surfaces.

TECHNICAL HIGHLIGHTS

- **Multi-Head Configuration:** Equipped with a combination of Steel Contact Rollers (for aggressive leveling) and Electronic Segmented Platens (for delicate finishing), allowing the machine to calibrate and sand in a single pass.
- **Segmented Pressure Pads:** A sophisticated sensing system detects the exact shape of the panel, applying varying pressure to edges and centers. This prevents the "rounding" of corners and ensures a perfectly flat surface across the entire workpiece.
- **Variable Speed Control:** Adjustable belt and feed speeds allow for precise control over the "scratch pattern," ensuring the wood grain is perfectly prepared to absorb stains and lacquers uniformly.

RESULT A surface with zero thickness deviation and a "ready-to-finish" texture. By eliminating manual sanding errors and ensuring absolute flatness, this machine provides the perfect canvas for Tiraz's high-gloss and matte lacquer applications.

MACHINERY

Production technology used across cutting, shaping, pressing, edging and finishing.



03
4-Side Moulder (7-Head System)

This machine represents the pinnacle of precision in wood shaping, processing all four sides of a workpiece in a single pass. Equipped with a sophisticated 7-head configuration, it is designed to transform raw lumber into perfectly calibrated profiles with a "super-finish" quality.

THE 7-HEAD ADVANTAGE

- **Precision Indexing:** The initial heads create a perfectly flat reference surface, eliminating any natural wood warping or twisting before the final shaping begins.
- **Superior Surface Quality:** By distributing the cutting load across 7 spindles, the machine prevents "chatter marks" or heat friction, resulting in a silk-smooth finish that often bypasses the need for heavy sanding.
- **Versatile Detailing:** The 7th spindle (Universal Head) allows for complex 360° machining, enabling intricate grooves, undercuts, and profiles that standard 4 or 5-head machines cannot achieve.

RESULT High-speed production with zero dimensional error and a surface ready for finishing, reducing manual labor costs and ensuring 100% consistency across every batch.



04
Hot Press (5 Layers)

Tiraz employs the Foshan Tieren 5-Layer Hot Press, a heavy-duty powerhouse designed for high-capacity lamination and veneering. This multi-daylight system is engineered to provide the massive, uniform pressure and heat required to bond veneers or HPL to core panels with industrial-grade durability.

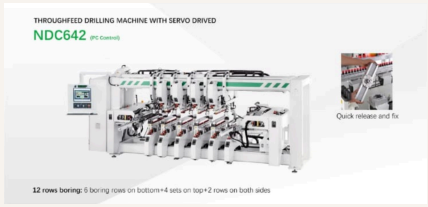
TECHNICAL HIGHLIGHTS

- **Synchronized Multi-Layer Pressing:** The 5-layer configuration allows for the simultaneous processing of multiple panels, drastically increasing production throughput while maintaining consistent thermal distribution across all layers.
- **Precision Temperature Control:** Equipped with advanced heating platens that ensure an even heat gradient. This prevents "hot spots" that cause glue failure or veneer discoloration, ensuring a flawless bond every time.
- **Solid Steel Platen Construction:** Built with high-grade, deep-drilled solid steel platens to withstand extreme pressure without deformation, resulting in perfectly flat panels with zero warping.

RESULT A high-efficiency bonding process that yields superior delamination resistance. Whether working with delicate natural veneers or heavy-duty laminates, the Tieren Hot Press ensures a flat, stable, and perfectly adhered surface ready for high-end finishing.

MACHINERY

Production technology used across cutting, shaping, pressing, edging and finishing.



05
6-Head Drilling, Auto Feed

Tiraz utilizes the 6-Head Drilling Center with Auto-Feed to achieve maximum efficiency in high-capacity panel production. This system is designed for a continuous, "non-stop" workflow, where panels are automatically loaded, drilled from multiple faces simultaneously, and discharged without manual intervention.

TECHNICAL HIGHLIGHTS

- **Simultaneous 6-Face Machining:** With six independent drilling heads (top, bottom, and four sides), the machine can perform all necessary vertical and boring operations in one single cycle. This eliminates the need to flip or rotate panels.
- **Continuous Auto-Feed System:** The integrated loading and unloading conveyors transform the drilling process into a seamless production line, significantly reducing "idle time" and labor costs.
- **Dynamic Software Integration:** Advanced CNC controls automatically adjust the drilling coordinates for each panel, ensuring 100% accuracy for hardware holes, dowels, and shelf pins across different furniture batches.

RESULT A massive boost in production speed with zero human error. This automated flow ensures that even the most complex cabinetry components are perfectly bored and ready for immediate assembly, maintaining a perfect "just-in-time" manufacturing rhythm.



06
Glue machine

Tiraz utilizes advanced Four-Roll Glue Spreaders to ensure a flawless bond between the core panel and its decorative surface. This machine is the critical link between the raw panel and the Hot Press, providing the scientific application of adhesive necessary for long-term structural integrity.

TECHNICAL HIGHLIGHTS

- **Four-Roll Precision System:** Featuring large-diameter rubber application rollers and steel dosing rollers. This setup allows for micrometric adjustment of the glue thickness, ensuring that just enough adhesive is applied to bond the veneer without "bleed-through."
- **Uniform Spreading:** The system is engineered to maintain a perfectly consistent glue "film" across the entire width of the panel, eliminating the risk of delamination or air pockets that can ruin high-end finishes.
- **Easy-Clean Cooling System:** Often equipped with internal cooling or specialized scrapers to prevent the glue from curing prematurely on the rollers, ensuring a clean and consistent application even during long production runs.

RESULT A perfectly prepared surface with 100% glue coverage. This precision ensures that veneers and laminates are bonded so securely that they become one with the core material, preventing warping and ensuring a flat, stable surface for the final lacquer.

MACHINERY

Production technology used across cutting, shaping, pressing, edging and finishing.



07
Veneer stitching machine

Tiraz utilizes advanced Veneer Splicing Technology to create expansive, seamless wood surfaces. This process is where the artistry of natural wood meets the precision of German-engineered mechanics, ensuring that every joint between veneer leaves is invisible and structurally sound.

TECHNICAL HIGHLIGHTS

- **Zig-Zag Gluing Technology:** Instead of traditional tapes, the machine uses a specialized Glue Thread applied in a computer-controlled zig-zag pattern. This compensates for the natural expansion and contraction of wood, ensuring the joint never "pops" or opens over time.
- **Invisible Tight-Joint Splicing:** The machine applies high lateral pressure to pull the veneer edges together with zero gaps. Once pressed, the glue thread is melted into the veneer, making the seam virtually invisible under the final lacquer.
- **Sensitive Thickness Compensation:** Advanced sensors automatically adjust the pressure and glue application for different wood species and thicknesses (from 0.4mm to 2mm), protecting delicate veneers from tearing.

RESULT A continuous, "Book-Matched" or "Slip-Matched" aesthetic that looks like a single wide plank of wood. This technology eliminates the visible seams and "tape-shadows" common in lower-quality furniture, providing a luxurious, high-end architectural finish.



08
Panel saw

The Sliding Table Panel Saw is the essential foundation for dimensional accuracy in woodworking. It is engineered to transform large-format panels into perfectly squared components, providing the clean, sharp edges required for high-end assembly and edge-banding.

TECHNICAL HIGHLIGHTS

- **Dual-Blade Scoring System:** Equipped with a secondary Scoring Blade that rotates in the opposite direction of the main saw. This scores the surface laminate or veneer first, ensuring a chip-free cut on both the top and bottom faces of the panel.
- **Precision Sliding Carriage:** Featuring a heavy-duty, multi-chamber aluminum table that glides on hardened steel guides. This guarantees a perfectly linear travel path, achieving an absolute 90° squareness even on oversized workpieces.
- **Tilt-Arbor Flexibility:** The main saw unit can be tilted up to 45° with digital precision, allowing for seamless miter joints and complex angled cuts essential for modern architectural furniture.

RESULT Every panel emerges with surgical edge-quality and exact dimensions. This eliminates the need for manual corrections during assembly and ensures that the subsequent edge-banding process results in a nearly invisible seam.

MACHINERY

Production technology used across cutting, shaping, pressing, edging and finishing.



09
Veneer cutting machine

Tiraz utilizes advanced Veneer Guillotines to ensure that the joints between natural wood leaves are physically perfect. This machine is critical for high-end "Book-Matching," where even a hair-width gap can ruin the aesthetic of a luxury furniture piece.

TECHNICAL HIGHLIGHTS

- **Shearing Cut Technology:** Instead of a rotating blade that can tear fragile fibers, the guillotine uses a swing-cut motion with a high-carbon steel blade. This results in a "polished" edge that is ready for gluing without further sanding.
- **Green Laser Line Guidance:** Equipped with a high-visibility laser that projects the exact cutting path onto the veneer bundle. This allows the operator to align the wood grain with sub-millimeter precision to maximize the visual beauty of the wood pattern.
- **Hydraulic Pressure Beam:** A heavy-duty beam clamps the entire veneer bundle (often up to 50-80 sheets at once) with massive force. This prevents the veneer from shifting or "fanning" during the cut, ensuring that every sheet in the stack is identical in dimension.

RESULT A "mirror-straight" edge that allows for seamless splicing. When these veneers are joined, the seam becomes physically invisible to the naked eye, creating the illusion of a single, massive piece of rare solid wood.



10
Curved Edge Banding (Semi-Automatic)

Tiraz utilizes Semi-Automatic Curved Edge Banders to bring high-end finishing to complex geometries. This technology allows us to apply edge-banding to circular tables, oval desks, and intricate "S-curved" panels with the same bond strength and aesthetic quality as a straight-line production.

TECHNICAL HIGHLIGHTS

- **Flexible Pressure Roller System:** Unlike rigid straight-line rollers, this system uses a specialized, high-grip roller that adapts to the panel's curve, ensuring constant pressure along the entire perimeter, even on tight internal and external radii.
- **Precision Glue Application:** The glue-pot is designed to apply a consistent film of adhesive directly to the edge-banding tape. This "on-the-fly" gluing ensures that the bond remains flexible during application and rock-solid once cured.
- **Integrated Automatic End-Cutting:** Equipped with a pneumatic "guillotine" that cuts the tape to the exact length of the panel's circumference, ensuring a perfectly flush butt-joint where the two ends of the tape meet.

RESULT Seamless edges on complex shapes. This machine eliminates the "manual look" of curved furniture, providing a clean, factory-standard finish on every contour. Whether it's a round boardroom table or a custom-curved reception desk, the edge becomes an integral, invisible part of the design.

MACHINERY

Production technology used across cutting, shaping, pressing, edging and finishing.



11
Beam saw

Tiraz utilizes industrial CNC Beam Saws to handle large-scale panel sizing with uncompromising speed and accuracy. Unlike standard saws, the Beam Saw features a heavy pressure beam that locks the material in place while the saw carriage moves underneath, allowing for the simultaneous cutting of multiple stacked sheets.

TECHNICAL HIGHLIGHTS

- **Book-Cutting Capability:** The powerful pressure beam allows the machine to cut a "book" of panels (multiple sheets stacked together) in a single stroke. This multiplies production output while ensuring every panel in the stack is identical in dimension.
- **Rear Loading & Gripper System:** Equipped with precision CNC grippers that pull the panels into the cutting zone. This eliminates manual handling errors and ensures that even heavy, oversized bundles are positioned with sub-millimeter accuracy.
- **Advanced Optimization (Nesting):** The machine is integrated with intelligent software that calculates the most efficient cutting patterns to minimize material waste and maximize yield per board.

RESULT A massive increase in throughput efficiency. By processing multiple sheets at once with digital precision, the Beam Saw ensures that large projects are sized rapidly, maintaining perfectly clean, square edges that are ready for immediate edge-banding or CNC machining.



12
Edge banding

Tiraz utilizes fully Automatic Edge Banding Centers to provide the final "seamless" touch to every panel. This machine is a multi-stage processing line that transforms raw, cut edges into a durable, perfectly finished perimeter that is indistinguishable from the panel surface itself.

TECHNICAL HIGHLIGHTS

- **Pre-Milling Unit:** Before the tape is applied, high-speed diamond cutters remove a microscopic layer (0.5mm) from the panel edge. This eliminates any "chipping" from the saw and ensures a perfectly flat surface for a tighter glue line.
- **Invisible Glue Line (PUR/EVA):** Using advanced glue application systems, the machine applies a micro-thin layer of adhesive. This ensures a bond that is not only incredibly strong but also creates a "zero-joint" appearance where the tape and panel meet.
- **Multi-Stage Finishing (Trimming & Buffing):** The machine features automatic end-trimming, fine-contour rounding, and scrapers, followed by high-speed Buffing Wheels. This sequence removes any excess glue and polishes the edge to a mirror-smooth finish.

RESULT A flawless, moisture-resistant edge with no visible gaps. Whether using thick PVC, ABS, or natural wood veneers, the result is a clean, sharp, and durable finish that enhances both the aesthetic and the lifespan of the furniture.

MACHINERY

Production technology used across cutting, shaping, pressing, edging and finishing.



13
OMEC Dovetail Machine

Tiraz utilizes OMEC CNC Dovetail Machines to deliver the highest level of structural integrity and aesthetic "prestige" in drawer construction and cabinetry. The dovetail joint is the universal symbol of quality in woodworking, and OMEC technology allows us to produce this classic joint with mathematical perfection.

TECHNICAL HIGHLIGHTS

- **High-Speed CNC Spindles:** Unlike manual jigs, the OMEC system uses high-precision spindles that mill both the "pins" and "tails" simultaneously. This ensures a friction-fit so tight that the joint remains stable for decades.
- **Variable Joint Geometry:** The CNC control allows us to adjust the size, pitch, and depth of the dovetail. This flexibility means we can produce everything from traditional "French" dovetails to modern, customized decorative joints at the touch of a button.
- **Tear-Free Machining:** Equipped with specialized anti-splintering devices, the machine ensures that the edges of the joints are crisp and clean, even when working with delicate solid woods or plywoods.

RESULT A "Mechanical Lock" that is far superior to standard screws or staples. Drawers produced with OMEC technology carry a hallmark of luxury and durability, offering the end-user a product that is as beautiful on the inside as it is on the outside.



14
5-Axis Router

Tiraz utilizes 5-Axis CNC Technology to push the boundaries of furniture design. This machine acts like a "robotic sculptor," capable of carving complex 3D shapes, organic curves, and intricate architectural details from a single block of material without the need for multiple setups.

TECHNICAL HIGHLIGHTS

- **Continuous Interpolation:** All five axes (X, Y, Z, and the rotational A and C axes) move in perfect synchronization. This allows for the machining of "undercuts" and fluid, aerodynamic shapes that are impossible for traditional machinery.
- **Large Work Envelope:** Specifically designed for oversized or voluminous components, such as curved chair backs, spiral staircase elements, and custom-molded 3D panels.
- **Integrated Tool Management:** Equipped with high-speed automatic tool changers that switch between heavy-duty milling bits, delicate carving tools, and even specialized sanding heads, completing an entire complex part in a single operation.

RESULT Complete design freedom. The 5-axis system eliminates the constraints of traditional manufacturing, allowing Tiraz to produce avant-garde, "sculptural" furniture with a level of precision and repeat-ability that manual craftsmanship simply cannot match.

MACHINERY

Production technology used across cutting, shaping, pressing, edging and finishing.



15
Spindle moulder

Tiraz utilizes advanced Spindle Moulders to add architectural character and functional precision to solid wood and MDF components. Whether shaping the elegant "ogee" edge of a classic tabletop or the precise "tongue-and-groove" of a cabinet door, this machine provides the power and stability required for heavy-duty profiling.

TECHNICAL HIGHLIGHTS

- **Interchangeable Cutter Blocks:** Equipped with a high-speed vertical spindle that accepts a vast library of custom-ground knives. This allows for the creation of exclusive profiles tailored specifically to a project's unique design language.
- **Programmable Digital Tilting:** The spindle can be tilted with electronic precision, enabling the machining of complex bevels and angled profiles that add depth and shadow-play to the finished furniture.
- **Integrated Power Feed System:** To ensure a flawless finish, an automatic power feeder maintains a constant, vibration-free speed as the wood passes the cutter. This eliminates "burn marks" and ensures a uniform texture across the entire length of the profile.

RESULT Custom-sculpted edges with cabinet-grade smoothness. The Spindle Moulder bridges the gap between raw timber and finished architectural detail, ensuring that every decorative molding fits perfectly and requires minimal sanding before the painting stage.



16
Surface Planer

Tiraz utilizes industrial-grade Surface Planers to establish the "true" foundation of every solid wood component. Before any further machining can occur, the wood must be straightened to remove the natural tensions and distortions inherent in raw lumber.

TECHNICAL HIGHLIGHTS

- **Extra-Long Cast Iron Tables:** Equipped with precision-ground, ribbed cast iron tables that provide a massive, stable "datum line." This ensures that even long planks are planed perfectly straight without any "sniping" or bowing.
- **Helical (Silent) Cutter Block:** Features rows of small, tungsten-carbide inserts arranged in a spiral. Unlike traditional straight blades, the helical head shears the wood fibers at an angle, resulting in a mirror-smooth finish even on difficult, "wild-grained" exotic woods.
- **Precision Fence System:** A heavy-duty tilting fence (adjustable from 90° to 45°) allows for the creation of a perfectly square reference edge. This ensures that when two boards are joined, the seam is invisible and structurally sound.

RESULT A perfectly flat and square workpiece. By eliminating the natural "twist" in the wood at the very start of the process, the Surface Planer ensures that all subsequent CNC machining and assembly steps are accurate to within a fraction of a millimeter.

MACHINERY

Production technology used across cutting, shaping, pressing, edging and finishing.



17
Paint Booth & Manual Equipment

Tiraz utilizes specialized Pressure-Controlled Paint Booths to apply the final decorative and protective layers to every project. This controlled environment is critical for achieving high-gloss or "soft-touch" matte finishes that are free from contaminants and environmental defects.

TECHNICAL HIGHLIGHTS

- **Dry or Water-Curtain Filtration:** Equipped with advanced extraction systems that pull overspray and airborne dust particles away from the workpiece. This ensures a clean-room environment, which is essential for achieving a "mirror" finish in lacquered pieces.
- **Positive Pressure System:** The booth maintains a slight internal pressure that prevents outside dust from entering when the doors are opened, ensuring the paint cures in a 100% sterile atmosphere.
- **Professional Manual Spray Equipment:** Tiraz utilizes high-end HVLP (High Volume Low Pressure) and Air-Assisted Airless spray guns. These tools allow the artisan to control the "atomization" of the lacquer with surgical precision, ensuring even coverage in difficult corners and complex profiles.

RESULT A finish with absolute depth and clarity. By combining professional-grade manual skill with a controlled industrial environment, Tiraz achieves a coating that is not only beautiful to the touch but also highly resistant to moisture, chemicals, and daily wear.



TIRAZ PROJECT · LACQUERED AND VENEERED FINISHES

QUALITY & OPERATIONS



01 Software

Tiraz fully implements an ERP system (Odoo) that tracks and monitors every detail in the business chain, starting from sales, procurement, accounting and production, and ending with after-sales. Tiraz also uses Cut Rite software in production, which runs efficient MDF panel consumption and production efficiency, reflected in the pricing system.

02 Quality control

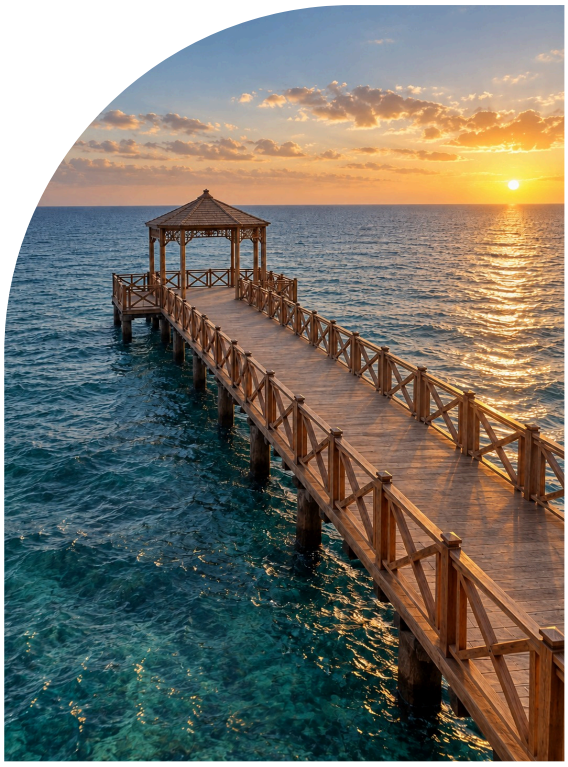
Tiraz strives to maintain a high level of quality and workmanship, with an effective inspection process that meets international quality standards.

03 Packaging

The majority of products manufactured by Tiraz are flat packed, with each panel separated from the next by a layer of closed-cell polyethylene foam. Edges and corners receive thick, steel-strength carton corners, as do components shipped with glass attached. All products are protected by an external layer of corrugated carton and air-bubble wrap.

ENVIRONMENT

We believe that businesses are responsible for achieving good environmental practice and operating in a sustainable manner. We are therefore committed to reducing our environmental impact and continually improving our environmental performance as an integral and fundamental part of our business strategy and operating methods.



OUR ENVIRONMENTAL POLICY

01

HEALTHY WORK ENVIRONMENT

Tiraz keeps all staff working in a clean, hygienic and healthy environment, which is directly reflected in quality and performance.

02

DUST & FUME EXTRACTION

Our production facility is equipped with dust and fume extraction systems supplied by specialised German companies.

03

ZERO-EMISSION MATERIALS

Tiraz uses green materials and water-based lacquers and adhesives, so supplied products are free from odour and hazardous materials.

04

RESOURCE EFFICIENCY

We promote efficient use of water, electricity, raw materials and other resources, particularly non-renewable ones.

05

SUSTAINABLE PROCUREMENT

As far as possible, we purchase products and services that do the least damage to the environment, and encourage suppliers to do the same.

06

EMS CERTIFICATION GOAL

Ensure that all employees understand our environmental policy and conform to the high standards it requires.

طِـرَاز
Tiraz

THANK you

Contact us

0941015180

طريق طرابلس، داخل مجمع فيتوريا

