

Real wood. Reshaped.

3D-Veneer

Hardwood Excellence
Since 1932.



Hardwood, but shaped to your needs

For decades, complex form and
natural wood surface were a trade-off.

You could have one. Rarely both.





Shaping hardwood veneer into truly three-dimensional forms has always meant risking damage. Cracking, folding, a compromised surface. The geometry demanded more flexibility than the material could give. So designers simplified their ideas - or they chose a different material altogether.

Danzer 3D-Veneer changes that equation. Engineered specifically for industrial-scale production, it allows real wood veneer to take on complex, compound-curved forms without structural compromise, and without sacrificing the surface quality that makes natural wood worth specifying in the first place.

This lookbook brings together the products, interiors, and applications that show what becomes possible with 3D-Veneer. From iconic chairs to signature benches. From luxury packaging to the organically curved legs of a world-renowned grand piano. From a curved wall design in a New York lobby to a TV wall in a private penthouse. The range is wide, and the material is consistent throughout.

The results speak for themselves.

Explore 3D-Veneer



A long-standing limitation of veneer

Conventional veneer cannot be shaped into truly three-dimensional forms. Forced into extreme double-curved geometries, it cracks and folds, making complex shell shapes impossible to produce with a natural wood surface.

This was not an unknown problem. Charles and Ray Eames worked on experimentally moulded plywood seat shells as early as 1945, pushing the limits of what the material would allow. The vision was clear. The material held it back.

Danzer developed 3D-Veneer to close this gap. Not as a prototype solution, but as a technology built for industrial mass production from the outset.

Experimental seat shells
of Charles & Ray Eames
(1945 -1955)

© Vitra



The technology behind

"WOODON" SHELL WITH FIVE LAYERS OF DANZER 3D-BEECH VENEER:

Extreme three-dimensional form, flawless surface.



"WOODON" SHELL WITH FIVE LAYERS OF CONVENTIONAL BEECH VENEER:

Same geometry, same pressure. Different result: cracks, folds, a surface that couldn't hold.

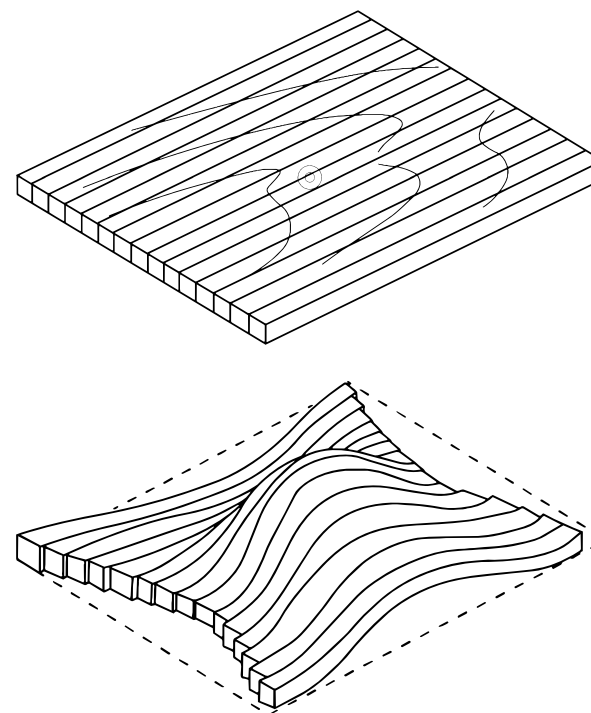


The difference between 3D-Veneer and conventional veneer is unambiguous. A "Woodon" shell produced from five layers of Danzer 3D-Beech veneer holds an extreme three-dimensional form with a flawless surface. The same shell in conventional Beech veneer shows significant cracking and folding. Both are eliminated by the Danzer process.

Designed specifically for industrial scale.

THE DANZER METHOD:

From flat sheet to three-dimensional form.





How 3D-Plywood is made

STEP 1 - GLUING

UF resin is applied to the 3D-veneer sheets using a glue-spreader machine, ensuring consistent, even coverage across the full surface.



STEP 2 - BUNDLE ASSEMBLY

The glued sheets are layered and positioned within a precision three-dimensional pressing tool.



STEP 3 - PRESSING

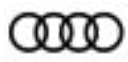
Under controlled heat and pressure, the veneer bundle takes on the exact geometry of the mould. The result is a stable 3D-Plywood moulding with a clean, finished surface. Ready for further processing.



Trusted by leading designers and manufacturers worldwide

Chosen by those who know

3D-Veneer has been specified across furniture, architecture, automotive interiors, and consumer products - by some of the most demanding names in each field.



FERRAGAMO

Kartell



 Herman Miller

narbutas

WALTER KNOLL

Foster +
Partners

Eames® Molded Wood Side Chair

Producer: Herman Miller Inc. (USA)

Design: Charles & Ray Eames

Photography: © Herman Miller

The Eames® Molded Wood Side Chair by Herman Miller is among the most recognized uses of 3D-Veneer. A design that required exactly what our technology delivers: a compound-curved wood shell with an unblemished surface, in production volumes.





Council Chair,
UN Headquarters
New York City (USA)

Producer: Onecollection A/S (DK)

Design: Salto & Sigsgaard

Photography: © Ole Konstantyner



The Council Chair for the UN Headquarters in New York uses Danzer American Oak veneer quarter cut and random matched. The same veneer on both the chair shells and the delegate table tops. There the veneer follows the table edge in a continuous surface.





The GUBI family - chair, lounge chair, barstool, and table - designed by KOMPLOT Design for Gubi International A/S (DK) is one of the programme's strongest commercial references. Winner of the Danish Design Prize, the Blueprint Award (London), First Prize for Most Innovative Design (Chicago), and the Red Dot Award for Product Design (Germany). Installed at 7 World Trade Center New York, MoMA's The Café 2, and the Zaha Hadid Extension at Ordrupgaard Museum Copenhagen.

GUBI Family

Producer: Gubi International A/S (DK)

Design: KOMPLOT Design

Photography: © Gubi International A/S (DK)



ZA System

Producer: Lapalma s.n.c. (IT)

Design: Shin & Tomoko Azumi

Photography: © Lapalma







Bistro Chair

Producer: OfS

Design: Daniel Figueroa

Photography: © Daniel Figueroa







Miunn

Producer: Lapalma s.n.c. (IT)

Design: Karri Monnie

Photography: © Lapalma





Osuu Chair

Producer: Walter Knoll

Design: Foster + Partners Industrial Design

Photography: © Walter Knoll





The Osuu Chair is the seventh collaborative project between Foster + Partners Industrial Design and Walter Knoll. A molded 3D-plywood shell, steam-bent dowels, and machined solid wood form the construction. Its front legs, arms, and upper backrest, with machined solid wood completing the construction. The molded plywood shell rests on wood cross rails and curves down over the backrest. The chair was developed iteratively and ergonomically tested. Available in walnut or oak, the wood surfaces are treated with a natural hard wax, giving them a silky matte finish.





Avena Chair

Producer: Davisfurniture

Design: Jonathan Prestwich

Photography: © Davisfurniture

Avena, designed by Jonathan Prestwich, is an executive and conference chair built for ergonomics and clean design.

A custom-engineered mechanism sits discreetly inside the seat. It allows balanced movement, supporting both focused work and moments of rest. Avena comes in two back heights. The shell is available fully upholstered or in 3D-Veneer. Both versions offer comfort with a warm, organic material presence. The silhouette is clean. The motion carries through. Material options are broad, making Avena suited to a range of workspace settings.





Peel Conference Chair

Producer: VANK

Design: VANK

Photography: © VANK







Dream Chair

Producer: Carl Hansen & Søn

Design: Tadao Ando

Photography: © Carl Hansen & Søn



The TA001P Dream Chair reflects the vision of Japanese architect and designer Tadao Ando, created as a tribute to Hans J. Wegner. Ando's approach pushed the boundaries of materials, craftsmanship, and design toward a minimal, considered form. The Dream Chair tests the flexibility of a range of materials to arrive at clean, minimal, iconic shapes. The TA001P comes with a walnut shell, realized with our 3D-Veneer technology. Art and function meet without a clear line between them.





Casco SP-3
Split Fumed
(Ski)

Manufacturer: Casco GmbH

Photography: © Casco GmbH





Casco Cosmo Classic
(Bicycle)

Manufacturer: Casco GmbH

Photography: © Casco GmbH

Casco Champ (Riding)

Manufacturer: Casco GmbH

Photography: © Casco GmbH



narbutas

Product Design
Consultant

Gensler





Botany Chair

Producer: Narbutas

Design: Gensler

Photography: © Narbutas

BOTANY takes its cues from plants and flowers. Curved armrests recall the shape of petals. Soft, natural forms run through every piece in the collection. Designed by Gensler for Narbutas, BOTANY combines thoughtful design with the natural qualities of wood. Our 3D-Veneer shapes real wood into flowing three-dimensional forms, while keeping its warmth, texture, and character intact. Inspired by nature. Made from real wood. Built for everyday use.



Hennessy Paradis Packaging

Producer: Hennessy

Design: NR2154 Creative Studio

Photography: © Markus Tretter

For Hennessy Paradis, we worked with NR2154 Creative Studio (New York) to bring their vision to life. A gift box crafted using our 3D-Veneer technology. Its organic form echoes the oak barrels where the spirit matures, while the interior is built from repurposed wood left over from the outer veneer's production. Luxury, sustainability, and craftsmanship. Shaped from the same tree.



Where standard ends, we begin.

Every project starts with a brief that 3D-Veneer makes possible. Some applications go even further. They cannot be found in any catalogue. Custom wood engineering for technically demanding projects, from first drawings to finished result. From a single piece of furniture to a whole flagship retail store. From a concept car to an entire vehicle line. This is Danzer Bespoke.

A curved bench runs through the lobby of 8 Finsbury Circus Bishopsgate in London. A gift box for Hennessy Paradis takes the shape of the oak barrels where the spirit matures. Three legs for a limited-edition Steinway grand piano are finished in hand-selected American Walnut. A lobby wall at Hudson Yards in New York follows a curve no flat sheet could hold.

Danzer Bespoke projects start with a brief that goes beyond what standard production can deliver. Our veneer experts develop the solution from there.

Don't wonder whether your idea is possible in wood. Ask us.



Danzer Bespoke

Photography: © Danzer





8 Finsbury Circus, London (UK)

A curved bench at Finsbury Circus in London, finished in 3D-Vinterio veneer in American Walnut. The 3D-Vinterio process allows the veneer to wrap seamlessly around the bench's organic form. It showcases the natural grain and warmth of American Walnut in a high-traffic public space. A curve that holds, in a space that never stops moving.



Steinway & Sons, New York (USA)

Designed by Luca Nichetto for Steinway & Sons, the limited-edition Gran Nichetto draws its elegant silhouette from the gondolas of Venice, finished in hand-selected American Walnut with fine Italian leather details. The grand piano's legs are built from solid maple to carry the full weight of the instrument's body. They are clad in an elegantly curved walnut veneer that follows their silhouette all the way down. Wood as individual as a pianist's interpretation.

Photography: © Steinway & Sons





Private Apartment, St. Petersburg, Florida (USA)

A TV in the middle of a penthouse's living room was competing with the space instead of fitting into it. The solution was 3D-Features: a TV wall turned centerpiece, working with the client's art collection instead of against it. For hardwood surfaces that are practical and considered.

Photography: © Faruk Pinjo



Hudson Yards, New York (USA)

A curved wall that no flat sheet of veneer could achieve. Clad in Danzer 3D-Veneer (American Walnut), designed by Kohn Pedersen Fox Associates (KPF) with the Custom Solutions team. Installed at Hudson Yards' lobby by Modern Woodcrafts. Form that follows no straight line.

Photography: © Connie Zhou



More about
3D-Veneer





danzer.com

