

Unique and high-quality machines specially designed for the production of engineered wood flooring



As machine manufacturing experts, we provide our customers with unique, dedicated machines, specially designed for engineered wood flooring manufacturing, developed through our vast experience in this branch of industry. Equipped with Deck Art machines and technology, our customers will be able to effortlessly produce flooring of exceptional quality.

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Two-Sided Cold Hydraulic Presses for Engineered Wood Flooring Production



It is a well-known fact that the cold wood lamination process is the best possible way of ensuring the quality and durable bonding of wood using adhesives. With Deck Art cold hydraulic presses, you will achieve the finest quality of lamination of the flooring hardwood wear layer to the flooring core, and ensure a perfectly stable base for further processing with no effort.

During the development of our presses, as flooring manufacturing experts, we have addressed all the common issues encountered by flooring manufacturers and, as a result, we proudly present to you our unique hydraulic presses dedicated to engineered wood flooring production.

Machine **special features**

Completely Digital Control by **15" Touch Screen!**



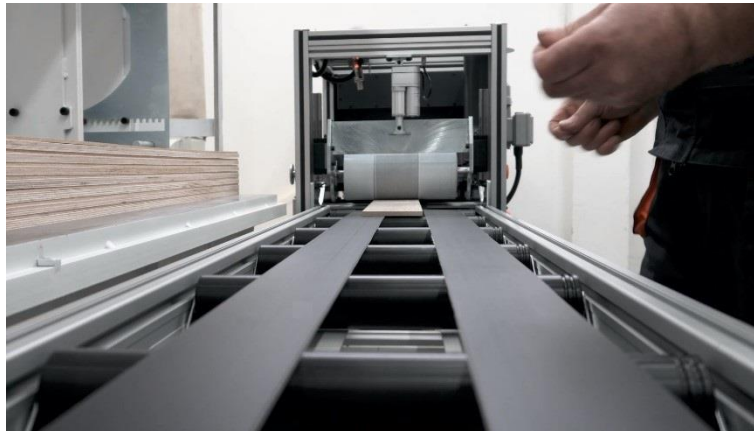
- Digital Pressure Monitoring **for each independant gluing cycle**
- Automatic Adding of Pressure **for each independant gluing cycle**
- Digitally Adjustable Pressure **for each independant gluing cycle**
 - Set the pressing time **for each independant gluing cycle**
 - Remote Online Diagnostics and **troubleshooting available**

All of the pressing plates are self-aligning! This feature enables users to compensate for any imperfections in the prepared material and ensure an even distribution of pressure, thus achieving the great quality of the gluing process.



Multiple independent gluing cycles in combination stop valve on each cylinder - This feature enables users to turn off and on any desired cylinder, which gives users maximum flexibility in gluing a variety of different lengths of flooring on a single press.

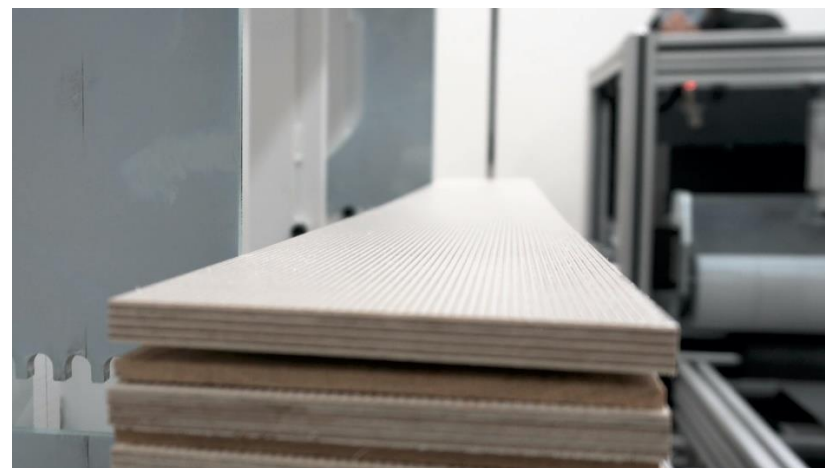
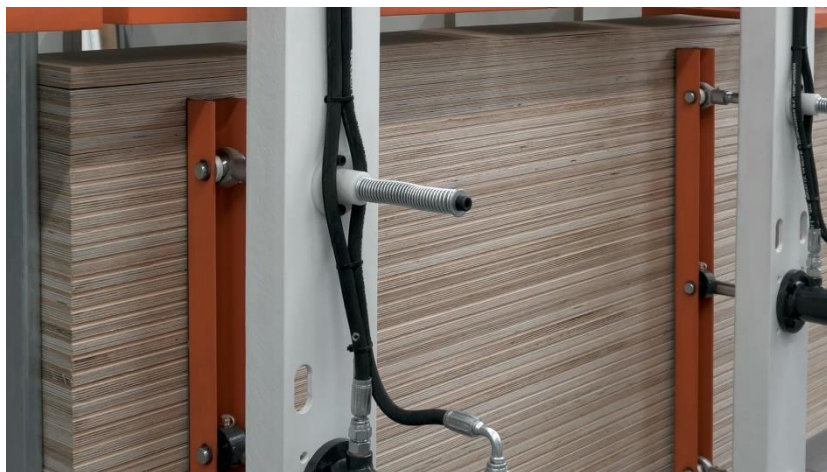
All of the presses are equipped with a motorized conveyor system - for delivering the material from the glue spreading machine to the working spot on the press. The transport speed of the material is digitally controlled.



Specially designed, adjustable back supports will keep the material centered for even pressure distribution, this gives you maximum flexibility when gluing different widths of flooring on a single press.



Powerful hydraulic front aligning beams will keep the material straight and stable during the gluing process.



Technical parameters of our standard models:

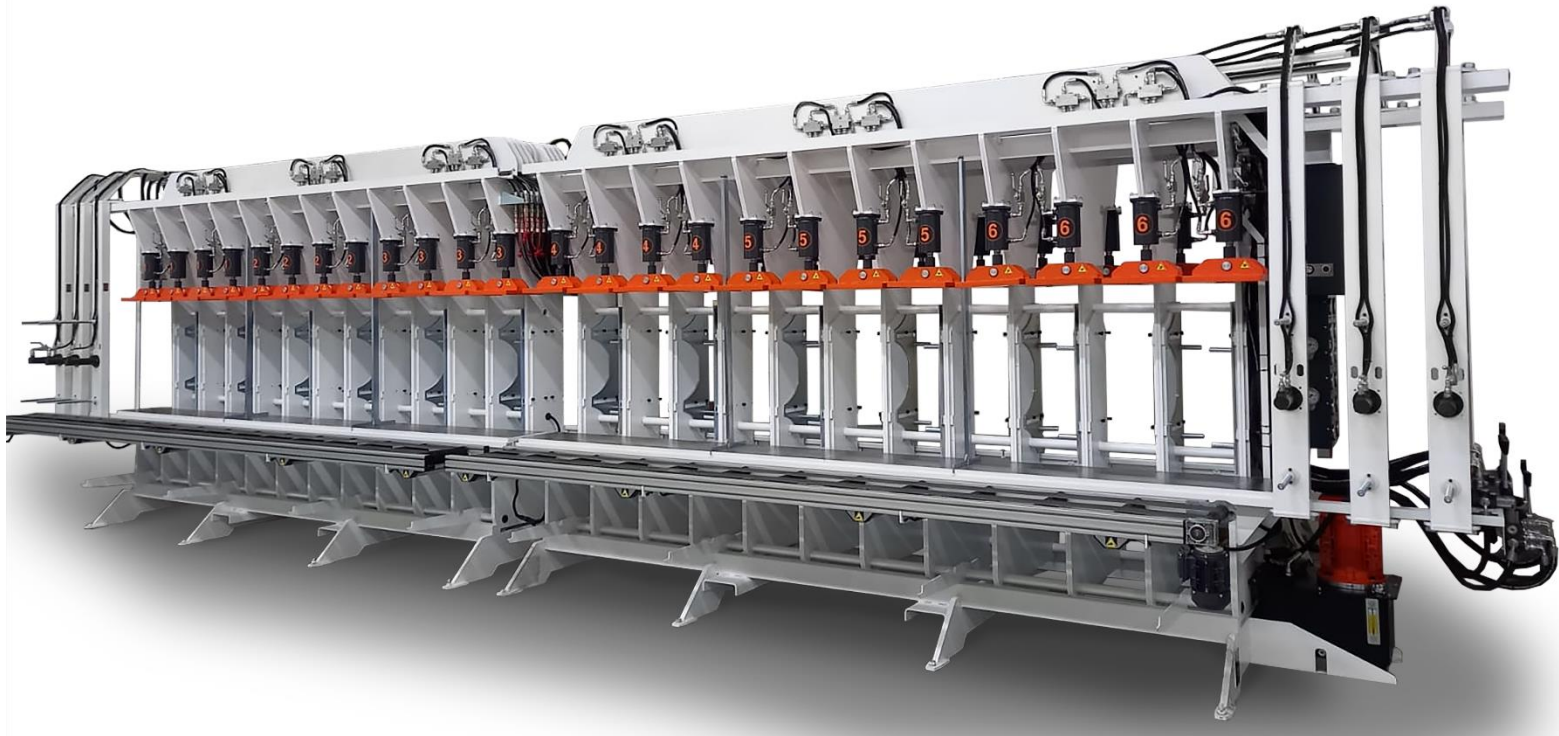
Two-Sided Cold Hydraulic Press - Deck Art **CP 300/2500**

• Max gluing width	310 mm
• Max gluing length	2560 mm
• Max gluing height	800 mm
• Working height	800 - 850 mm
• No of pressing cylinders (total)	16 pcs
• No of pressing cylinders per cycle	4
• No of independent pressing cycles	4 cylinders x 4cycles
• Pitch between pressing cylinders	320 mm
• Each cylinder has its own stop valve	Yes
• Single stroke	80 mm
• Single cylinder pressure	9.100 kg
• Cylinder pressure in total	145.600 kg
• Max working pressure	10 kg/cm ² (For 310 mm width) - Adjustable
• Pressing plate dimensions	300mm x 290mm
• Pressing plate type	Self Aligning!
• No of front aligning beams	4 pcs
• Front beams type	Hydraulic
• Front Beam Pressure	Up to 1000 kg
• Max system pressure	18 Mpa
• Motorized material transfer conveyor	Yes, on both sides, independent
• Speed of material transport	Up to 30 m/min
• Speed regulation of transfer conveyor	Yes, both sides, independent
• Power of hydraulic pump	5.5 kW (1 pc)
• Power of motor for transportation	2x0.35 kW – geared
• Voltage	3x400v/50 Hz
• Electricity protection	IP 54
• Weight	Ca 3.300 kg
• Overall Dimensions	Ca (l)3405mm x (w)1980mm x (h)2550mm

Two-Sided Cold Hydraulic Press - Deck Art **CP 300/3800**

• Max gluing width	310 mm
• Max gluing length	3840 mm
• Max gluing height	800 mm
• Working height	800 - 850 mm
• No of pressing cylinders (total)	24 pcs
• No of pressing cylinders per cycle	4 cycles x 4 cylinders and 4 cycles x 2 cylinders
• No of independent pressing cycles	8
• Pitch between pressing cylinders	320 mm
• Each cylinder has its own stop valve	Yes
• Single stroke	80 mm
• Single cylinder pressure	9.100 kg
• Cylinder pressure in total	218.400 kg
• Max working pressure	10 kg/cm ² (For 310 mm width) - Adjustable
• Pressing plate dimensions	300mm x 290mm
• Pressing plate type	Self aligning!
• No of front aligning beams	4 pcs
• Front beams type	Hidraulic
• Front Beam Pressure	Up to 1000 kg
• Max system pressure	18 Mpa
• Motorized material transfer conveyor	Yes, on both sides, independent
• Speed of material transport	Up to 30 m/min, adjustable
• Speed regulation of transfer conveyor	Yes, both sides, independent
• Power of hydraulic pump	5.5 kW (1 pc)
• Power of motor for transportation	2x0.35 kW – geared
• Voltage	3x400v/50 Hz
• Electricity protection	IP 54
• Weight	Ca 5000 kg
• Overall Dimensions	Ca (l)4420mm x (w)1980mm x (h)2550mm

Apart from our standard models, **we are able to offer our customers unique presses with bespoke parameters upon request**, tailored to their specific needs (either one-sided or two-sided, max gluing widths up to 500mm, unlimited max gluing lengths, etc.)



(Example of custom made, second generation MK2 Deck Art hydraulic press – max gluing width: 310 mm; max gluing length: 7680 mm)



(Example of custom made, first generation MK1 Deck Art hydraulic press – max gluing width: 250 mm; max gluing length: 7680mm)



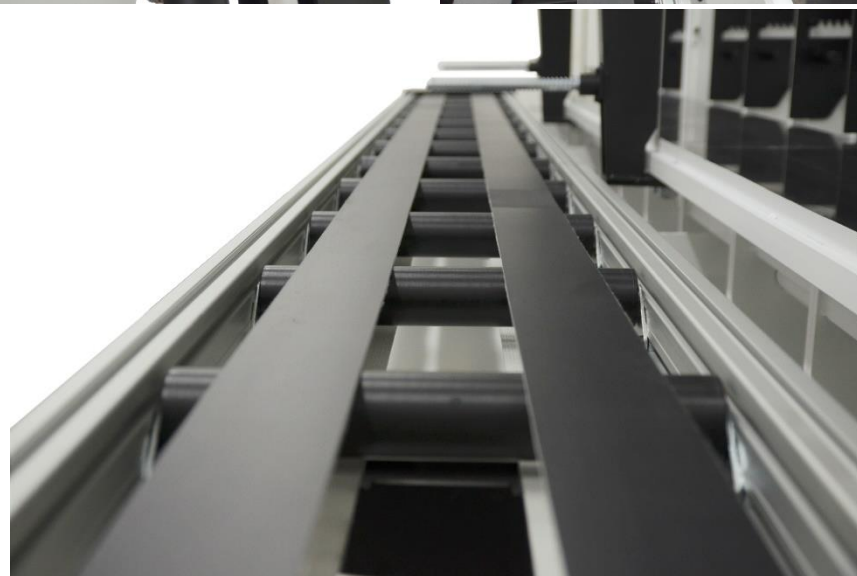
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Glue Spreading Machine **Deck Art GS 300**

Unique and easy-to-use glue spreading machine for precise and effortless glue application to the surface of the flooring core material



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Machine **special features**

Inlet dust collecting system – This feature enables the removal of any leftover dust from previous material preparation, stopping any leftover dust and other particles from contaminating the applied glue, thus ensuring perfectly prepared material for pressing.



Simple handling and maintenance – Removing the rubber application roller, as well as the glue tank for cleaning, is made fast, easy, and effortless.



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Easily adjustable working thickness – This feature provides users with great flexibility when working with a variety of flooring core material thicknesses.



Simple and easy adjustment of glue application quantity - with a simple touch of a button, you can precisely control the quantity of glue that is going to be applied on the flooring core material

Glue Spreader GS 300 Technical Parameters

• Guing Speed	24 m/min
• Application Roller	Rubbed With Grooves
• Application Roller Diameter	200 mm
• Inlet Traction Rubber Rollers	Yes
• Max Working Width	300 mm
• Working Thickness	8-25 mm - Adjustable, Digitally Controlled
• Adjustable Glue Application Thickness	Yes, Digitally Controlled
• Dedusting Brushes	Inlet type – one brush up + one down
• Brushes Hood Outlet	2x100 mm
• Total Power	0.55 kW
• Dimensions	Cca. 585x555x1175 mm
• Weight	Cca. 180 kg

Get in **touch** with us

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