



Siempelkamp

LIGNA press release

The new ContiRoll® Generation 9i at LIGNA 2023: Even more reliability, performance and a new access concept

Krefeld/Hanover, May 16th, 2023 – At LIGNA 2023 Siempelkamp will present the latest version of its top product, the continuous press ContiRoll®. Branded as ContiRoll® Generation 9i, it opens up optimizations for plant operators in three essential aspects: reliability, performance, and the accessibility of the press.

Since the first ContiRoll® was started up at Louisiana Pacific in 1985, Siempelkamp's continuous press technology has provided permanent milestones in the wood-based panel industry. Most recently in 2017 when the ContiRoll® Generation 9 was introduced to the market. Since then, continuous improvements have been made, resulting in the new version presented at LIGNA.

At LIGNA 2023 Siempelkamp will present the latest version of Generation 9 under the name ContiRoll® Generation 9i: "i" standing for "intelligent" and "innovative". The proven and mature design of the press has received updates that redefine the triad of reliability, performance, and access to the press that is central to plant operators.

Reliability

A redesigned lubrication system for the roller rods provides the plant operator with even more reliable and precise lubrication of the roller rods across the entire width of the plant. This ensures that the correct amount of lubrication is applied. The new lubrication system can also be retrofitted.

Further optimizations are focused on the steel belt control: The proven design of the ContiRoll® ensures optimum steel belt tracking, resulting in a small necessary adjusting range of the steel belt control. This leads to less stress and prevents deformation on the steel belt. In general, the optimization aims at a long service life of the steel belts, as well as excellent control of the steel belt by the operating personnel.

Performance

In the "Performance" area, a symmetrical hotplaten joint comes into play, which ensures uniform rollover behavior and thus enables consistently high production output. Optimizations have also been made to the second heating platen. These are aimed at high production output, faster heating of the press, and precise control of the hotplaten temperature via the heating circuits of the ContiRoll® Generation 9i. The ever-longer presses will also be able to perform reliably and efficiently in the future thanks to targeted adjustments to the chain tensioner.

A central innovation targeting the performance of the press comes into play with the adaptive forming system developed by Siempelkamp. It ensures a closed control loop for best and permanent forming accuracy without human intervention. Here, the EcoScan NEO measuring system provides support by opening up a high-resolution analysis of the basis weight distribution and a reliable foreign body

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detection directly after the pre-press.

Access to the press

Decisive for the third aspect, the new access concept for Siempelkamp presses, is the new hot platen connection of the ContiRoll® Generation 9i. It makes the press gap visible and accessible and optimizes the installation on site. The accessible press gap also makes it possible to record emissions more directly and efficiently. The newly applied safety concept realizes improved monitoring from the press infeed to the press outfeed, more access areas for inspections during operation, and an improved concept for the safety fences, which are available in several variants (closer and more distant from the press).

About Siempelkamp

As a technology provider for machinery and equipment, casting and nuclear technology the Siempelkamp group has an international footprint. We are a system supplier of press lines and complete plants for the wood-based panel industry, metal forming, as well as the composites and rubber industries. With one of the world's largest hand-molding foundries, we manufacture large cast parts at our Krefeld location; these have a total unit weight of up to 320 t. We also provide transport and storage containers for radioactive waste, and specialize in the dismantling of nuclear plants. The wood-based panel industry forms one of our central markets and our core competence: We cover the entire production process for wood-based panels – from round log and raw material handling up to storage and handling solutions for the finished wood-based panels as well as new approaches of machine learning. We provide our customers with comprehensive after sales & service throughout the entire life cycle of their plant.

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