Internationality 2015

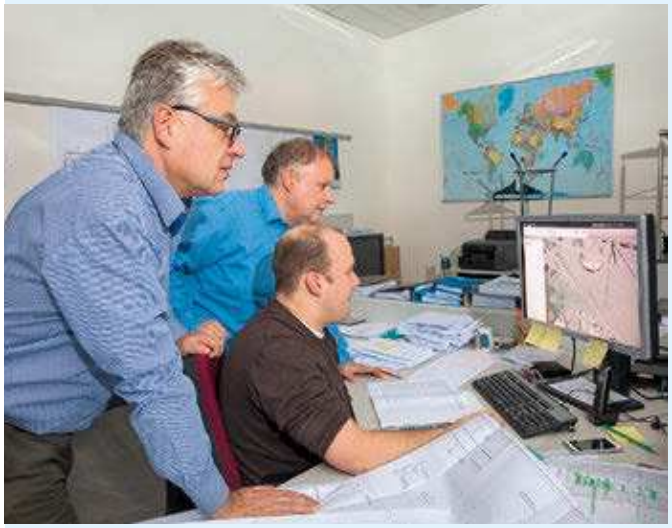
Production in line with the customers' requirements

As an international supplier of technology Siempelkamp pursues the goal to position itself globally regarding its production sites and sales representations. It begins with the close networking with worldwide represented plant operators. They demand Siempelkamp products because they want to receive a technological advantage at a reasonable price. Furthermore, they know that we offer products that meet the needs of their markets and consider all country-specific requirements that are fundamental for efficient plant operation.

We are represented internationally through our eleven offices in countries from the USA to Australia. The foundation of our international orientation is also demonstrated by our five international production or planning sites.

Sicoplan, Belgium: planning and engineering at benchmark level

The key for an optimally operating plant is comprehensive engineering. As a planning and engineering company our Belgian subsidiary Sicoplan represents the heart of this service area. Together we offer 60 years of experience in process engineering, comprehensive project planning, and the technological start-up of wood-based material production plants (see page 32).



Planning competency at Sicoplan, Belgium

CMC team, Colzate, Italy

Bird's eye view of the Qingdao location

CMC, Italy: the specialist for equipment for the front end of the production line

Founded in 1962, CMC Texpan has been cooperating with the Siempelkamp Group since 1980. Since 2012, the company in Colzate, Italy, has been a 100% subsidiary of Siempelkamp. The production portfolio comprises conveyors, resin blending machines, screening machines, chip spreaders, and saws for production finishing. CMC thus made a name for itself in our Group as a front-end specialist.

Wuxi, China: first Asian competency center

Our first Chinese production location, established in 2004, is the competency center for transport rolls and rollers for the finishing line as well as mat forming machines. Furthermore, at this location we manufacture selected machines for the forming and press line for the Asian market. A further mainstay is the mass production of parts for the manufacturing network. This location, which covers 8,480 m², represents an important interface between Siempelkamp and the Asian market.

Blatnice, Czech Republic: gapless service chain and quick support within Europe

In 2008, we established a further production location in Blatnice, Czech Republic. This is where our employees manufacture a wide range of forming line components at a facility 8,000 m² in size, together with services relating to chip production, for example, wood feeding systems, rotor debarkers, chipper systems, and the flakers, spreaders and finishing line components. More and more high-quality modules are being manufactured, including electrical and pneumatic systems, and are expanding our production volume.

New in 2015: Qingdao – flagship project in China

In the reporting year, we added another important milestone to our international profile: In April, our employees commenced production at our second Chinese location in the coastal city of Qingdao. Back in 2010, the German Federal Ministry for Economic Affairs and Technology and the Chinese Ministry of Trade signed a memorandum for the construction of an ecopark in Qingdao, which was to serve as a Sino-German flagship project. Siempelkamp became the first German company to build a production facility in this area, with a footprint of 7,000 m², and potential to expand to cover a further 13,500 m². The production portfolio covers components for the ContiRoll®, produced in accordance with the motto "Top quality is Siempelkamp standard".

Front-end technology

Closed service chain upstream from the press

Siempelkamp supplies complete plants for the wood-based materials industry from the wood-yard to the packing of the finished boards as sophisticated and closed service chain. The perfectly adapted front-end technology prior to the press sets the course for successful board production.

The quality of the chips, wood particles, strands, flakes, and fibers is decisive for the quality of the boards. Accordingly, our scope of supply upstream from the press includes the complete range of machinery for the production of chips, wood particles, strands, flakes, and fibers. Our dry-cleaning machines remove contaminants from wood chips that are produced from recycled wood.

Our screening and separating units incorporate outstanding screening and fractioning technology. These units are equipped with oscillating screens, disc screens, drum screens, roller screens or wind separators. Our screening and fractioning technology guarantees the gentle handling of chips, wood particles, flakes, fibers, and strands. Our conveyor systems provide for low-maintenance and incident-free operation. These systems are tailored to the plant capacity and needs of our customers.

Siempelkamp can also provide the right solution for the intermediate storage of chips, wood particles, strands, flakes, and fibers. Bunker and silo installations are part of the scope of supply, as well as dosing systems which will provide uniform material feed to the subsequent aggregates. Due to the improved levelling of the filling height and high precision scales designed to deliver precise dispensing of flakes and fibers, the newly developed dosing bins improve the precision and efficiency of resin dosing and application.

A highlight of our front-end technology is the Ecoresinator resin injection system for fibers. It saves up to 20 percent in resin while maintaining high board quality in regard to mechanical properties, appearance and feel. Together with our subsidiary CMC we have meanwhile adapted our state-of-the-art resin blending system for MDF production to the production of particleboard. With the first installation we already achieved resin savings between 15 percent and 20 percent.

The advantages of our front-end technology can be summarized as follows: no interfaces, high outputs, low production costs, and high-quality starting material and consequently, the best possible end product!

Chip preparation for Rauch

The Ecoresinator P

The year 2015

Front-end technology by CMC

- Nine orders from Siempelkamp customers for the complete range of machinery for our front-end processes or for process-determining machines
- Twelve additional orders issued directly from CMC customers for front-end technology
- Six start-ups of machines for the front-end area at Siempelkamp and CMC customers in Asia, America, and Europe
- Our resin injection system Ecoresinator P for particles is marketable: resin savings of up to 20 percent due to special nozzle technology.
- Innovation of the "EcoFormer SL" mat-forming system for particleboard surface layers: Confirming the customer advantages such as high mat-forming accuracy, efficiency, and board quality
- A very precise and functional conveying and wood dust dosing system for a very low investment was planned and installed in South America – also suited for chemical components in powder or granular form.
- Development of equipment for the separation of minerals from the wood dust flow according to their density; intended for energy production