

In 2001 the Italian company CMC-Texpan, specializing in the design and construction of turnkey plants for wood-based panel production, has successfully completed the startup of several manufacturing lines, from South America to Russia, in close synergy with the other companies of the German giant Siempelkamp, global leader in woodworking technology



PANEL SPECIALISTS FROM ITALY

After the 1974 debut with the first movable matformer by Texpan in Italy and the installation of the first stationary machine in 1980, CMC-Texpan (www.cmc-texpan.com) has been going a long way and today, in cooperation with its partner companies of the Siempelkamp group, stands out as the only Italian supplier of turnkey

plants for the production of particleboard, OSB and MDF panels, starting from the development and engineering stages, up to construction, installation and maintenance.

Being an integral part of a global leader in the woodworking industry, the company based at Colzate, near Bergamo, offers excellent warranties as relates to the quality

and reliability of production processes and machinery. CMC-Texpan must comply with the severe quality specifications and requirements of the mother company, which translate into accurate selection of components and the application of the German KVP (Kontinuierliches Verbesserungsprogramm),

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KVP goes beyond ISO 9000, requiring companies to constantly upgrade their quality goals in line with the continuous evolution of technology.

Relying on the solid foundations of proven technology tested across 40 years (the company is celebrating its 40th anniversary in 2002), CMC-Texpan currently offers a number of significant innovations and technological developments, with new solutions already installed and running in manufacturing sites all over the world. So, let's see the successful startups of CMC-Texpan in 2001.

SUCCESSFUL STARTUPS

The first stage is Brazil, where the Italian company has started up a stationary mat-forming station for particle-

board production, type FS 2.2, with adjustable forming width from 2310 to 1860 mm. The forming station for customer Berneck is fitted into a forming line with a 42.1-meter-long Controll continuous press. The machine is a mechanical roller model, using rollers for the spreading of the core and surface layers. The key benefit of the roller forming machine is the capacity to remove glue lumps from good material, thus avoiding the installation of a disk separator with consequent reduction of the machine height. The forming machine also includes traversing belts adequately dimensioned for the even distribution of material inside the dosing bins. The first panel was produced on June 20, 2001. The maximum capacity guaranteed in the sales contract is 1510 m³/22.8h, as referred to

the production of 18 mm particleboard with 4.7 sec/mm press factor. The forming machine can produce particleboard from 6 to 40 mm thickness, in varying widths from 1830 mm up to 2200 mm.

In Spain, for the Tafisa Linares project, CMC-Texpan has supplied a stationary mat-former for particleboard to be incorporated in a forming line with 32.1-meter-long Controll continuous press. The machine consists of two mechanical heads for the core layer and two pneumatic heads for the surface layers, plus a disk separator for the extraction of glue lumps from CL material (width 2,000 mm, 24 rollers with 8 mm gaps); two horizontal screens inside the pneumatic chambers for the separation of glue lumps from SL material; and dust-tight traversing screw convey-



■ The stationary mat-former at Berneck in Brazil produces particleboard in varying widths from 2310 to 1860 mm



■ At Glunz in Nettgau, Germany, the CMC-Texpan plant has reached a maximum capacity of 2,000 m³/22.8h, exceeding the guaranteed capacity.



ors, adequately sized for the even distribution of material inside the dosing bins. The plant, which produced its first panel last July 12, 2001, has currently achieved a maxi-

imum production capacity of 1550 m³/22.8h with 4.7 sec/mm press factor, as referred 16 mm thick panels. The maximum capacity guaranteed in the sales contract is 1820m³/22.8h for 19mm particleboard with 4 sec/mm press factor. The Tafisa Linares forming machine is designed for the production of particleboard from 6 to 40 mm thickness, with varying width from 2850 to 2050 mm.

In Germany, Nettgau-based Glunz has purchased a new forming line with 43.7-meter-long Controll continuous press, featuring a stationary forming machine by CMC-Texpan for particleboard production. The machine is designed for the production of isocyanide-bonded panels (PMDI glues) and is comprised of two mechanical heads for the core layer, two pneumatic heads for the surface layers, and two units for the distribution of fine dust into the very outer faces of the mat, to prevent the panel from sticking to the press steel belts. Just like the plant shipped to Spain, the machine also includes a disk separator for the extraction of glue lumps from CL material (width 2,000 mm, 30 rollers with 8 mm gaps); two horizontal screens in the wind chambers for the extraction of glue lumps from SL material, and dust-tight traversing screw conveyors, adequately sized for the even distribution of material inside the dosing bins. Fully meeting the contract deadlines, CMC-Texpan produced the first panel on August 15, 2001. In addition,

the plant has reached a maximum capacity of 2,000 m³/22.8h as referred to 16 mm thick panels, exceeding the guaranteed capacity of 1,850 m³/22.8h. The machine produces particleboard in the thickness range from 6 to 40 mm, in varying widths from 1,850 mm up to 2,650 mm.

Finally, on August 28, 2001, the first panel came out of the production line at Plitprom in Russia, where the Colzate-based company has installed and commissioned a particleboard forming station within a forming line with tray conveyors and multi-daylight press (for 20 panels), as a substitute for old mechanical matformers. The forming machine can produce particleboard from 8 to 30 mm thickness, using a mechanical head to spread the core layer and two pneumatic heads to spread the surface layers.

The current capacity of the Russian plant is 350 m³/22h, waiting for the final implementation works that will increase the forming line speed to achieve the contract capacity of 450 m³/22h, as referred to 16 mm thick panels. The maximum width of the finished panel is 1,750 mm, by 3,600 mm length.

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