

At 40 years since its foundation, the Bergamo-based company CMC Texpan, a leading manufacturer of wood-based panel production equipment, comes to Xylexpo 2002 with a new oversized mechanical forming head, capable of remarkably increasing the production capacity of particleboard plants

by Simona Baldoni

CMC Texpan, a company from Colzate (Bergamo) specializing in the production of woodworking machinery and wood-based panel manufacturing plants, celebrating its 40th foundation anniversary in April 2002, is exhibiting at Xylexpo 2002 with a new oversized mechanical forming head.

Designed to distribute higher material volumes, while preserving the quality features of the produced panel, this new proposal by CMC Texpan can increase the production capacity of particleboard plants to a

significant extent. As an example, with a conventional 3-head forming station, a max. capacity of 920m³/22.8h with 19-mm-thick panels could be achieved, and a 4-head station had to be installed to exceed that capacity. Now, the new oversize head can reach 1,150m³/22.8h, offering a 25% productivity increase. Such solution reduces ROI, as well as overall installation space, providing indubitable economic benefits.

Founded on April 4, 1962, CMC has gone a long way since then, emerging on the Italian and international stage as a leading supplier of machinery and plants for the

production of wood-based panels (particleboard, OSB e MDF). In the current market situation, where the demand for new plants has dropped, CMC-Texpan is focusing its business on the expansion, modernization and modification of existing plants, providing customers with benefits that range from increased production capacity to improved panel quality.

THE RUSSIAN EXTENSION

CMC-Texpan has installed and commissioned a new particleboard forming station at the Plitprom site in Moscow.

THE "HEAD" OF EXPERIENCE



■ Above: CMC is based in Colzate, where two operating sites are located

■ Right: The CMC workshop is equipped for all kinds of operations required for the production of woodworking machinery



■ CMC is a specialist in the production of complete particleboard plants, in cooperation with its partner companies within the Siempelkamp group

complete with suction plant. The operation has been successfully completed thanks to the synergetic work of several partners, whereby the German company Siempelkamp has coordinated the activities of the customer, CMC-Texpan and ATR. The latter has supplied the electric panels together with the management and visualization software for the new installations.

The forming station supplied by CMC-Texpan, consist-



ing of two wind matformers for the surface layers and one mechanical forming head for the core layer, was installed to replace the existing Würtex mechanical matformers, within a line with tray conveyors and multi-daylight presses.

The plant has a production capacity of 450 cubic meters a day, whereby this value refers to 16 mm thickness with a net width of 1,750 mm. The forming station, which was installed by CMC-Texpan in July 2001, can reach even higher production rates.

Plitprom has chosen CMC-Texpan for the installation of the new forming station not only to achieve a higher production capacity. The choice mainly responded to the need of achieving a better surface quality of the finished panel. Before replacing the matformers, significant defects were found in the product, such as uneven material distribution and inadequate surface quality. Two months of operation of the new plant were enough to see a clear improvement of crosswise and lengthwise dis-

tribution, as well as of surface quality.

The service offered by CMC-Texpan has been effectively combined with efficient and constant technical, technological and engineering support, for the study and analysis of the modifications to be made to the feeding conveyors supplied by the customer, in order to achieve a well-balanced and even feeding of all forming heads.

■ CMC-Texpan has installed and commissioned a new particleboard forming station at the Plitprom site in Moscow, complete with suction plant

QUALITY LEAP

The Italian company Frati has chosen CMC-Texpan from Colzate, near Bergamo, for the supply of new matformers at their Pomponesco site near Mantova, where a particleboard production line has been recently activated, with a 16-daylight press with trays sized 2.92 x 4.31 meters.

The CMC-Texpan matformers have replaced the old Schenk machines for the core layers, leading to a significant increase in plant performance, both in terms of production capacity and in terms of surface quality, allowing



■ Davin
Zoppetti
CMC President

Frati to provide panels that can be directly laminated with any decoration paper. Basing on their technical and technological expertise, CMC-Texpan not only supplies complete solutions for new plants, but can also effectively upgrade existing plants, where a modernization of production equipment or an increase of productivity is required.

The CMC-Texpan mat-former supplied to the Pomponesco site features a feeding system made up of two traversing belts that distribute the material inside the bin more uniformly, thus improving also cross distribution. There are also two four-comb dosing bins, one equipped with integral scale to measure the density of the surface-layer material, and two larger pneumatic forming chambers complete with horizontal screen for the extraction of glue lumps. The screens separate possible glue lumps or oversize material from the glued particle mat, protecting the press from possible damage and ensuring a higher homogeneity, easier processability and better surface quality of the finished product.

The replacement of Schenk machines with the new CMC-Texpan equipment has pro-

■ The Italian company Frati has chosen CMC-Texpan from Colzate, near Bergamo, for the supply of new matformers at their Pomponesco site near Mantova



vided a number of benefits. So far, it was not possible to achieve the standard press productivity of 950 to 1000 m³/23h, as this inevitably resulted into a reduction of the panel surface quality and the impossibility of subsequent lamination. After the upgrade, the plant reached its peak production of 1,150m³/23h in just a week,

exceeding the previous rate by 20% and remarkably improving the panel surface quality and cross distribution.

