Bellmer
Order from Argentina

Alto Paraná works, located in Puerto Esperanza, Misiones Province, form part of Arauco (Cellulosa Arauco y Constitución S.A.). With a capacity of 3.2 million ton/year of bleached and unbleached kraft pulp, Arauco is the second largest producer of market pulp worldwide.
Alto Paraná exports its high quality fluff pulp to the countries of the Mercosur, as well as to Europe and Asia. Fluff pulp is used for the production of highly absorbent products, such as disposable diapers and feminine hygiene products.
To meet the growing demand and in order to improve quality even further, the management took the decision to rebuild the PM 1 for production of fluff pulp. This order represents another milestone for Bellmer Ibérica.
The Bellmer scope of supply comprises the proven circular distributor TURBODrive™, with diusion water system TURBOCluster™ to achieve optimum CD profiles.
The existing headbox will be re-built and equipped with a new in-tank chamber in order to enhance formation considerably.
New developing elements, a new blow box and a new tail cutter are also part of Bellmer’s scope of supply.
Also, a new belt threading system will be installed to transport the pulp from dryer outlet to the new building where finishing equipments will be installed.

For this new section of the line, Bellmer will provide the complete automatic TURBODrive™ reel system with real spool magazine, via TURBODrive™, up to TURBOWind™ stand.
In addition, a new QCS system will be supplied for automatic pulp quality control.
The sinter winder TURBOWind™ assures optimum rolling quality of the paper rolls. The winder has a working width of 4,960 mm and a maximum working speed of 800 m/min. Due to the robust design it is very durable. Furthermore, the winder is characterized by a high degree of automation and easy operability. Last, but not least, the cost-performance ratio is very convincing.
Extensive engineering works of the German-Spanish team as well as mounting and start-up jobs are also included in the diversified scope of delivery.
Start-up shall take place end of 2011.
www.bellmer.de

BTG
Awarded Palme d’Or

BTG is the proud winner of this year’s ATV Innovation Gold Prize. The award was received for the TCR-2512/2502 “Peak TDAFISH Inline transmitter for measurement of total consistency and ash content”.
In pulp preparation, for the consistency range of 0.5 to 14%, current technology uses different measuring principles:
- Total consistency by optical or microwave principle: in-line measurement
- Ash content by optical (depolarized retro-reflexion) principle: in-line measurement
- Consistency by shear-force principle (rotating or blade), in-line measurement.
The measurement of total consistency and ash content is necessary for the use of several measurement probes.
This method is applicable in each step of the papermaking process. The technology allows financial savings of 50 up to 300 K€ per year: from the pulper to the machine chest for pulp, waste water and slimes. Some examples:
- After the pulper: filler control through raw material selection
- Waste water treatment, densifying productivity optimization through filler content management
- Refining: energy savings through process and true calculation of the specific energy on the fiber
- M浔ing: consistence of fibers by filler. Improved use of broke through the control of filler content
- Headbox: reduced basis weight variation
- Mill operation: precise evaluation of fiber loss and slurry optimization.
www.btg.com

ABB
Acquisition of Lorenzten & Witte

ABB, the leading power and automation technology group, has completed its acquisition of Lorenzten & Witte ASA ABOABY AB.
Lorenzten & Witte manufactures equipment for quality control, process optimization and test instrumentation for the pulp and paper industry.
The acquisition enhances ABB’s position within pulp and paper solutions provider and complements ABB’s existing portfolio. Lorenzten & Witte will be integrated into ABB’s Process Automation division.
www.abb.com

Tieto
Integrated paper solution to Poland

Stora Enso Ostroleka Paper Mill, a part of Stora Enso Packaging Division, has replaced a manual trimming process for packaging production planning with Tieto’s integrated paper solution, TIPS Trim.
The new solution is integrated in the local SAP based sales order and production management system developed by the mill, offering the Ostroleka Paper mill more efficiency.
At the mill approximately 500 employees work packaging production, sawn-back paper, liners and fluting for corrugated board. The project, which started in late 2010, was delivered within planned time and cost budget.
Tieto Integrated Paper Solution TIPS is a comprehensive sales and production management solution for the pulp, paper, board and tissue industries. TIPS provides a proven real-time operations management solution by seamlessly linking planning, business operations, and production processes. It combines the functionality and the best practices of four previous advanced Sales and MES systems.
www.tieto.com

PMT
To supply board machine to China

PMT Italy has been selected by Jiangsu Longheng Paper Co. Ltd., as a key partner for its new duplex board machine project which will be installed in the Jiangsu province, close to the town of Xiangshui. PMT Italy has been commissioned to supply technological paper machine sections like an M4 Headbox with diusion control, a Shoe Press and a Winder. The machine will be designed to produce Duplex Board in the range of 230 to 450 g/m² at a speed of 650 m/min, the trim width at the reel being 4,550 mm.
www.pmtitalia.com

POM Technology
Compact approach flow system

POM Technology Oy AB has received an order for the supply of a compact approach flow system for Stora Enso’s new testliner machine in Ostroleka Mill in Poland. The startup is scheduled for the first quarter of 2013.
At a wire width of 8,600 mm and a design speed of 1,800 m/min, the new Narrow PMT project will produce 455,000 metric tons of testliner per year.
The new paper machine is designed for the production of light-weight testliner and recycled fluting in a basis weight range of 65-140 g/m².
The POM-compact approach system delivery includes: two POMIX Stock Processors for efficient stock mixing, three POMP Degassers for white water deaeration, two POMStock suction leg sealing units as well as compact process solutions and engineering for whole approach flow system. Stora Enso’s focus of this investment was on operational savings from improved drainage, cleanliness and quality as well as on space and especially energy and cost savings, which all are met by POM System applications and principles.
www.pakkaavogroup.com