

Edging Line

The Sawmill **Graf von Schönbornsche Sägewerk KG** (Wiesentheid, DE) received an automatic edger line of our **AUTOJET** series. This flexible edger line can produce boards, slats and scantlings in a very efficient and economical way.

Modern Saw Technology with Log Sorting

A processing line for log diameter of 140mm up to 1200mm was delivered to the Belarusian furniture manufacturer **Gomeldrev** (Gomel, BY). In the yard the logs are debarked, scanned and sorted accordingly into 18 classes. The two log lines process approx. 100.000 m³ p.a. and consist of a log bandsaw line for large diameters and a chipper canter circular saw line for the smaller class diameters. The robust log carriage is equipped with modern adjustment and log alignment technology. The chipper canter circular saw combination is completed by a modern resaw and edger line. A flexible, ultra-modern sorting line with 20 boxes and tiltable floors will be installed as well. A following stacking installation with automatic laying of slats, stacks the boards according to the exact calculated quantity.

Log Sorting and Chipper Canter Sawmill for Belarus

The sawmill **Novosvergensky Lesozavod** (Novy, Svergen, BY) has received a high-capacity log sorting line and a complete chipper canter circular saw line with the latest profiling technology. The log sorting includes a debarker and sorts pine and birch logs in 24 classes. The ultra-modern saw line is designed for an annual capacity of 80.000 m³ per shift. Logs with a diameter of up to 40cm can be finished by only one operator in one pass. The produced main products are stacked directly onto the automatic stacking device.

Perspective

Complete Sawmill for Far East / Russia

In November we delivered a high-capacity chipper canter circular saw line with profiling and timber sorting to company **"Gornorudnaja kompanija AIR"** (Vostok, RU). Before cutting, the logs are debarked by a debarking installation with an integrated metal detection. Logs with a diameter of up to 40cm are processed flexibly by the chipper canter circular saw line and are finished by an automatic multirip saw line. The side boards produced by modern profiling technology as well as the main products are sorted into vertical sorting boxes according to the assortment and afterwards stacked. The start-up of the installation will be in spring 2011.

Enormous demand for Framesaw Lines

Also in 2011 many high-flexible framesaw lines with width adjustment Multi-BV will be installed. For example, the new lines for sawmill **Ströhlein** (Weitlingen, DE) which will trust in the quadruple width adjustment as well as company **Aitzetmüller** (Vorchdorf, AT) and company **Roggenhofer** (Hohenfels, DE). Mostly other branded machines were replaced by the innovative Möhringer **iFRAMESAW** with the quadruple adjustment Multi-BV. The installations will be in spring 2011.

The new Log Carriage FLEXIDRIVE

At company **Karl Alt GmbH & Co. KG** (Schwebheim, DE), a renowned hardwood sawmill, the Braun-Canali log carriage **FLEXIDRIVE** will be installed in the beginning of 2011. Therewith, company Alt shows again its confidence in the long-lasting Braun-Canali experience in the bandsaw technology.

Company **Gmach** (Pösing, DE) will also benefit from this proven technology. In 2011 a multiple bandsaw line as a reliable cutting technology will be put into operation.

Edging Automation

Besides many international edging lines, we will also install a modern edger installation with laser measurement in Germany at company **E.A. Vehmeyer** (Haselünne, DE) in 2011.

Sawmill for a Russian furniture manufacturer

In cooperation with company "Homag Holzbearbeitungssysteme" we received the order for a complete sawmill based on the latest framesaw technology with automatic edger, including sorting and stacking line for company **MEKRAN** (Krasnojarsk, RU). The cutting performance of 136.000 m³ will be realized by two high-capacity framesaws of the **iFRAMESAW**-series. Before cutting, the pine logs are butt-end reduced and debarked. Due to the automatic framesaw feed and the fast infeed system only one operator for both framesaw lines will be necessary. The proven **AUTOJET** edger is equipped with three mobile saws and considers, optimized according to recovery, the proportion of the wane. A box sorting with tiltable floors sorts the products according to the required dimensions and qualities. The stacking of the respective products includes automatic slats positioning devices

Fairs and events in 2011

From 08th till 09th February 2011: "6.International Congress for sawmilling and timber industry" in Rosenheim (Germany). From 21st till 25th March 2011 we will be at the "FIMMA" in Bento Gonçalves (Brazil). From 30th May till 03rd June 2011 you can visit us in hall 27, stand E38 at the "Ligna" in Hannover (Germany). From 29th November till 02nd December 2011 the "WoodEx", the international trade exhibition for the woodworking industry, will take place in Moscow (Russia).



Dear customers and business partners,

2010 the year of our 125th anniversary comes to an end. We gratefully look back on our history and what generations of the Möhringer family, employees and customers have created together. But in 2010 we also show that innovations will affect our future. 12 new products and new applications from which you will benefit: higher flexibility, higher added value, energy saving and a lot more. We offer progress in all sectors: at framesaws as the worldwide technology leader, at bandsaws with the FLEXIDRIVE, at circular saws for soft- and hardwood and at the innovative sorting and stacking technology as a turn-key supplier.

Have a look at some impressions of our anniversary event as well as at a selection of some outstanding projects, which we realized for you in 2010.

On behalf of the whole Möhringer staff I would like to thank you for your confidence and the good co-operation in the last year. I wish you and your family Merry Christmas and a Happy New Year and I look forward meeting you in 2011.

Dr. Stefan Möhringer
Simon Möhringer
Anlagenbau GmbH

Review

Outstanding turn-key projects in 2010

In the following we will describe exemplary some projects and activities.

Framesaw Lines with Width-Adjustment Multi-BV



In 2010 many framesaw lines were delivered in Germany and abroad.

The new framesaw technology *iFRAMESAW* equipped with the unique quadruple width adjustment Multi-BV together with the chain bed riving knife was sold very well.

Here some realized projects:

At the company **Maderas El Real S.A.** (Teruel, ES) a 600-

stroke *iFRAMESAW* with fast infeed system and riving knife was installed and started-up successfully. A further highly-flexible 600-stroke framesaw line Multi BV was delivered and put into operation at the company **Hagenah** (Bülkau, DE). The company **Rutishauser** (Güttingen, CH) received a 700-stroke machine with width adjustment Multi-BV.

Also company **Meier** (Schmidgaden, DE) will start the New Year with a new *iFRAMESAW*. The most important features of the new *iFRAMESAW* are the electronic control of feed speed and overhang, the integrated recording of the output per day and shift as well as the automatic control options. Furthermore, framesaw lines were delivered to company **Borisowsky DOK** (Borisov, BY) and company **Gaizins** (Berzaunes pag., Madonas nov., LV).

The new Möhringer framesaw line with fast infeed system was fully automated at sawmill **Pugin** (Derrière le Mont, FR) in November this year. The log feeding, speed and roller control are fully automatic. The operation is surveyed via screen by one person only, standing behind the framesaw.

Moreover, numerous customers have invested in extensions of their framesaw lines, like for example company **Dietl** (Rain, DE), company **Spies GmbH** (Lauterhofen, DE), company **Weber** (Tobel, CH) as well as company **Faivre** (Montlebon, FR). Company **Plank** (Berching, DE) increased for example the capacity and the flexibility of the existing framesaw by installing the width adjustment Multi-BV. Especially small and medium-sized companies benefit from this option.

Bandsaw Technology Log Carriage Line *FLEXIDRIVE*

At company **Templin** (Templin, DE), one of the biggest hardwood processors, the innovation *FLEXIDRIVE* was commissioned in 2010. *FLEXIDRIVE* is the new developed log carriage with separately adjustable clamping heads, which can be positioned to the exact log length by a new servo adjustmentsystem. This energy-efficient carriage technology, equipped with the optimized, fully automatic carriage run is the most efficient cutting technology in the hardwood industry.



In August a further horizontal bandsaw *PRECISIONCUT* ML-H-1100 with feed unit was delivered to company **Chêne de l'est** (Hambach, FR). The machine is integrated into a processing line for oak parquet and is intended for producing special surface optics of the high quality parquet.



Stacking and Sorting Robot *FLEXISTACK*

The delivery for company **Holzindustrie Templin** was completed by the new vacuum robot line *FLEXISTACK* for the stacking of hardwood products, which is similarly used at company Reitz (Wonfurt, DE). The boards are measured 3-dimensionally, sorted and stacked automatically on 10 stacking tables. An automatic slats magazine which moves together with the robot places the corresponding slats between the layers.



Circular Saw Lines

At company **Hagensieker** (Bad Essen-Wehrendorf, DE) a considerable project was installed in 2010: the new efficient resawing line *AUTOJET RIP* for hard- and thermowood. In this line the dry thermowood is destacked automatically and the individual boards are then measured by lasers and optimized automatically. A grader controls visually the alignment and has the possibility to intervene fast and efficiently in the automatic mode operation in case of optical defects. The boards are edged into the dimensions required by the customer by a high flexible circular saw unit. In the next step the boards are stacked automatically by a vacuum robot. Due to the successful start-up and operation of that challenging installation, company Möhringer is able to offer a further technological innovation in the hardwood industry.

