

- 12/2008 Frankfurt New VIB SteamTech<sup>SC</sup> for China**  
 Non disclosed customer in China has ordered a new VIB SteamTech for their press section. The SteamTech is for moisture control and for energy saving of the existing machine. The system is complete with all controls for CD and MD moisture.
- 12/2008 Atlanta 170 Control Valves for Canada**  
 New Page in Port Hawkesbury, NS has ordered 170 control valves to replace competitive valves. The special VIB actuators are mounted with an adapter kit to the existing competitive steamshowers. The unique valve has a position indication for easy monitoring. This is the third order to replace valves with New Page.
- 11/2008 Frankfurt New VIB SteamTech<sup>SC</sup> for Greece**  
 Technocart has ordered for their Tripoli mill a VIB SteamTech for moisture control. This high resolution steamshower will improve dryness in the press section and comes complete with steam supply and the new VIB operator panel.
- 11/2008 Atlanta New VIB MoistureTech for the US**  
 Acucote Inc. in Graham, NC has ordered a new VIB MoistureTech system to replace an existing steambox. The new MoistureTech is complete with moisture control, Control Station<sup>ECSplus8</sup> will be supervised with an Operator Workstation.
- 10/2008 Frankfurt New Qualitek Control System for Sweden**  
 Smurfit Kappa in Eslöv has ordered new Qualitek Control System including bridge control and synchronized splicing for 5 splicers. The system is complete with PLC controls and will run through an operator work station with touch screen monitor. It also includes the score board display for easy monitoring the production of the corrugator.
- 10/2008 Frankfurt New VIB MoistureTech and 2 DOX Surface Systems for South Europe**  
 Non disclosed customer has ordered a MoistureTech system for their PM for moisture and curl control. The system gets a new control station ECS<sup>+8</sup> for automated moisture control. Further the machine will be equipped with two DOX surface cleaning systems for dust removal on the running web.
- 10/2008 Frankfurt 3 new Steam & Condensate Upgrades for Germany**  
 Mochenwangen Papier GmbH has ordered an upgrade for their steam & condensate system including new spoiler bars for the dryers of PM 3.  
  
 Papier- und Kartonfabrik Varel GmbH & Co. KG has ordered an upgrade for their steam & condensate system for their KM 3 and KM 2.  
  
 All systems are for energy savings and better control of the existing machines.
- 09/2008 Frankfurt New VIB AirTech<sup>Plus 6</sup> for Brazil**  
 International Paper has ordered for their Tres Lagoas paper mill in Brazil a new VIB AirTech<sup>Plus 6</sup> system. The system is complete with Integrated Process Station (IPS) for CD moisture control and will be installed in a new Voith fine paper machine at that site.
- 09/2008 Frankfurt New VIB WaterTech<sup>PC+</sup> for Ukraine**  
 Rubezhnoye Cardboard & Package Mill in Rubezhnoye has ordered an upgrade for their WaterTech PC system. The system will be connected to the measurement system for moisture control with 150 mm wide control zones.

- 09/2008 Frankfurt New VIB MoistureTech for a West Europe Paper Mill**  
Non disclosed customer has ordered a new VIB MoistureTech for their calender. The MoistureTech will apply steam on top and bottom side. The system comes complete with Electronic Control Station (ECS) for automated moisture control.
- 08/2008 Frankfurt New VIB SmoothTech for Germany**  
Papierfabrik Louisenthal GmbH has ordered for their new PM in Königstein a VIB SmoothTech to control moisture in the online process. The system is with automatic moisture control with 100 and 150 mm wide control zones.
- 08/2008 Atlanta New VIB SteamTech<sup>TC</sup> for the US**  
Von Drehle Corporation has ordered for their mill in Cordova, NC a new VIB SteamTech for moisture control. This special tissue SteamTech is with Teflon coating for easy cleaning in the tough tissue environment. This repeat order is the second system in this mill.
- 08/2008 Atlanta New VIB SteamTech<sup>TC</sup> for Brazil**  
Ahlstrom Louveira Ltda. in Louveira has ordered a new VIB SteamTech. This SteamTech is for the fourdrinier section and will be for moisture control. The system is completely Teflon coated for easy cleaning in the former section of the machine.
- 07/2008 Frankfurt New VIB AirTech<sup>Plus 6</sup> for India**  
Khanna Paper has ordered new VIB AirTech<sup>Plus 6</sup> system for their PM 4. The AirTech is for moisture control. The system comes complete with Integrated Process Station (IPS) and will be connected to the moisture measurement system.
- 07/2008 Atlanta New VIB SteamTech<sup>TC</sup> for Brazil**  
Mili S.A. in Curitiba, Brazil has ordered new VIB SteamTech for their tissue machine. The SteamTech is for manual CD control. The system is completely Teflon coated for easy cleaning in the tough tissue environment. This repeat order is the fourth system for Mili S.A.
- 07/2008 Frankfurt New VIB MoistureTech for Germany**  
Non disclosed customer has ordered new VIB MoistureTech system. The MoistureTech is for moisture control in front of the on-line calender and will be controlled with an integrated CD/MD control. The system comes complete with Control Station<sup>ECS+</sup> and Integrated Process Station (IPS).
- 06/2008 Frankfurt New VIB AirTech<sup>Plus 6</sup> for Germany**  
Non disclosed customer has ordered new VIB AirTech<sup>Plus 6</sup> system for high resolution moisture control with 50 mm zones. The VIB AirTech comes complete with a MD and CD control system and Integrated Process Station (IPS) with back-up server and Operator Workstation.
- 06/2008 Frankfurt New VIB SteamTech<sup>TC</sup> for Turkey**  
Hayat Paper in Altunizade - Istanbul, Turkey has ordered new VIB SteamTech for their tissue machine. The SteamTech is for CD control and will be connected to the existing measurement system. The system is completely Teflon coated for easy cleaning in the tough tissue environment.
- 06/2008 Frankfurt New VIB SteamTech<sup>SC</sup> for India**  
Khanna Paper has ordered new VIB SteamTech for their PM 4. The SteamTech is for high resolution moisture control with 100 mm zones. The unit is completely Teflon coated for easy cleaning.

- 05/2008 Frankfurt New VIB MoistureTech for China**  
Kingdecor has ordered a new VIB MoistureTech for their new paper machine in Zhejiang, close to Shanghai. The MoistureTech is for moisture control in front of the on-line calender and will be controlled with an integrated CD/MD control. The system comes complete with Control Station<sup>ECS+</sup> and Integrated Process Station (IPS).
- 05/2008 Atlanta New VIB SteamTech for the US**  
New Page in Wisconsin Rapids, WI has ordered a new VIB SteamTech for their PM 14. The high resolution steamshower is with 3"/2" control zones and will be integrated in the existing machine controls including Control Station<sup>ECS+</sup>. The unit is Teflon coated for easy cleaning. A special feature of this VIB SteamTech is an installation and removal unit.
- 05/2008 Frankfurt New VIB AirTech<sup>Plus 6</sup> for Sweden**  
Stora Enso in Kvarnsveden has bought an extensive upgrade for their spray system at the PM 8 from VIB AirTech<sup>Classic</sup> to VIB AirTech<sup>Plus 6</sup>. The new system will have 4 rows with 56 nozzles each and 112 control zones. The connection to the existing measurement system will be through an Integrated Process Station (IPS).
- 04/2008 Atlanta New VIB SmoothTech for the US**  
Weyerhaeuser in Springfield, OR has ordered for their PM 2 a new VIB SmoothTech for smoothness improvement.. The VIB SmoothTech is in front of the calender and has 48 control zones. The SmoothTech has an integrated evacuation hood, and will be complete with steam engineering and steam supply.
- 04/2008 Frankfurt New VIB AirTech<sup>Corr</sup> for Czech Republic**  
Model Obaly in Nymburk has ordered a new VIB AirTech<sup>Corr</sup> for their corrugator. The VIB spray system is for moisture control and warp control of the produced board. The system will be controlled through an Operator Workstation (OWS) and will be integrated in the machine controls for production scheduling.
- 04/2008 Atlanta New VIB AirTech<sup>Plus 6</sup> for the US**  
Weyerhaeuser in Valliant, OK has ordered new VIB AirTech<sup>Plus 6</sup> system for their PM 1. The VIB spray system is for high resolution moisture control with 188 control zones. The system is controlled with an Integrated Process Station (IPS). The spray system will be integrated into the mill wide network with OPC LAN connection.
- 03/2008 Frankfurt New VIB SmoothTech for Sweden**  
Holmen Paper AB in Norrköping has ordered new VIB SmoothTech for their PM 53. This SmoothTech is for smoothness improvement and curl control.
- 03/2008 Frankfurt New VIB AirTech<sup>Plus 6</sup> for Japan**  
Non disclosed customer ordered a new VIB AirTech<sup>Plus 6</sup> system for their off-line process. This special micro drop spray system will be controlled through PLC with new sensor touch display for easy operating.
- 03/2008 Atlanta New VIB SteamTech<sup>SC</sup> for Canada**  
NewPage in Port Hawkesbury, NS has ordered a new VIB SteamTech for their press section. The VIB steamshower is for high resolution moisture control with 144 control zones. It will replace an existing competitive steam box. The unit is complete with control and will be connected to the machine QCS/DCS system. The steamshower is Teflon impregnated for easy cleaning.

**02/2008 Frankfurt New VIB AirTech<sup>Plus 6</sup> for Sweden**

Stora Enso Fors has ordered for their board machine no. 2 a new VIB AirTech<sup>Plus 6</sup> system. This special micro drop spray system is for moisture control in front of the online calender. The system will be controlled through the Integrated Process Station (IPS). The unit is connected with the QCS system of the machine.

**02/2008 Frankfurt New VIB SteamTech<sup>SC</sup> for Spain**

Europac Duenas has ordered a new VIB SteamTech for their PM 2. This steamshower is for high resolution moisture control with 100 mm zone width and will be integrated into the existing VIB Integrated Process Station (IPS).

**02/2008 Frankfurt New VIB AirTech<sup>Plus 6</sup> and SmoothTech for Germany**

For the largest SC paper machine in Germany which was build by the Myllykoski group in Plattling, Bavaria, and named Plattling Papier PM 1, which had started up in December 2007, VIB supplied an extensive moisturizing system and smoothness profilers for the calenders.

The net sheet width is 10700 mm (422") and this makes the machine one of the largest ever build for SC papers, annual production shall reach 380000 t at a speed of approx. 1600 m/min.

Special nozzles developed by VIB are decisive for the success of the worldwide first online "moisture-gradient" SC-A calendering process. When entering the calender after the drying section the paper is remoistured again, in a way that the core of the paper stays dry. The fibres at the surface of the sheet become elastic. When running through the calender nips the paper is made smooth and gloss on both sides, and the volume of the paper is not compressed too much.

The 3 VIB AirTech systems for this machine have been installed into the OptiLoad Twinline calender with an unique concept, 2 spraydampeners of the complete VIB AirTech<sup>Plus 6</sup> system are installed before the first stack of the calender for remoisturizing of both sides of the paper, a third spraydampener is installed after the first stack before the paper enters the second stack. The total number of individually controlled spray nozzles is 1308. This system is therefore one of the largest spraydampeners in the world for automatic cross machine moisture profile control and remoisturizing of the sheet.

Further both in the first stack as well in the second stack one VIB SmoothTech steamshower have been installed for dedicated fine steaming of the paper. The steamshowers have each 72 automatically control zones in cross machine direction.

Various pilot trials in Germany and Finland proceeded the order for this giant system, papers of the Myllykoski group have been used, for example in the new research centre CTC in Raisio, Finland.

**01/2008 Atlanta New VIB SteamTech<sup>FF</sup> for Brazil**

Nobrecel S.A. Celulose e Papel has ordered a new VIB SteamTech for their PM 1. The SteamTech is for moisture control and production increase.

**01/2008 Frankfurt New VIB SteamTech<sup>TF</sup> for Germany**

Papierfabrik Meldorf in Tornesch has ordered a new VIB SteamTech for the press section. The VIB steamshower is for high resolution moisture and will be integrated in the existing VIB network. The control will be a balance control between the existing spray system and the press section steamshower. The steamshower is Teflon impregnated for easy cleaning.

**01/2008 Frankfurt New VIB SteamTech<sup>SC</sup> for Korea**

Norske Skog Korea in Jeonju has ordered a new VIB SteamTech for their pm 6. The new VIB steamshower is for high resolution moisture control with 111 control zones. It will replace an existing competitive steambox. The unit is complete with integrated control and will be connected to the machine QCS system. The steamshower is Teflon impregnated for easy cleaning.