Arctic Paper in Munkedal, Sweden has successfully installed Pressductor PillowBlock/PRT load cells in their paper machines and sheeting machines.

Arctic Paper Munkedal’s paper machines and sheeting machines are running with Pressductor PillowBlock load cells and Pressductor Radial Tensiometers (PRT load cells) providing an accurate web tension measurement.

What has been achieved?
We ask Mr. Kaj Albertsson, Manager for the Electrical Department about the ABB load cell installation:

“The ABB load cells have been running very well, without any problems, since the commissioning in 2003. We have not had any reason to do anything special with the load cells since then.

The Pressductor PillowBlock load cells are very robust and stable in the measurements and they work very well in the rough production environments.

The PFEA tension electronics is excellent. The display is easy to operate and there are many good functions to take advantage of.

We very seldom adjust the load cells. If we do, we do it in conjunction with some major rebuilding or maintenance.

We don’t have any spare load cells, since the ABB load cells never break.

In the sheeting machines we have installed the PRT load cells together with prefabricated cables from ABB Force Measurement to secure the best possible installation."

Centuries of manufacturing experience
Arctic Paper Munkedal’s craftsmanship is the result of the skills and knowledge that have been built up and passed on by generations of paper makers. Arctic Paper Munkedal (situated about 130 km north of Gothenburg) was built back in the 19th century, and the company later added a fine paper mill in Kostrzyn, Poland. Eventually, Arctic Paper became one group and established sales offices all over Europe, as well as local stockists. In 2008 the company group added Arctic Paper Mochenwangen in Germany as a new member to the Arctic Paper group. During 2007 the group produced a total of about 505 000 tonnes of graphic fine paper. Net turnover for the group amounted 2007 to around 3,600 MSEK.

During the last 20 years there have been major investments and the Arctic Paper Munkedal’s mill is one of the most environmentally-friendly paper mills in the world. Today, Arctic Paper Munkedal is one of Europe’s leading manufacturers of uncoated paper with significant export to many parts of the world.

(For more information, visit www.arcticpaper.com)
Supplied equipment
ABB Force Measurement has supplied Munksjö Paper AB, Billingsfors, Sweden with around 30 Pressductor Load Cells and Pressductor Radial Tensiometers (PRT load cells).

Facts on Arctic Paper AB, Munkedal, Sweden

<table>
<thead>
<tr>
<th>Site</th>
<th>Non-integrated paper mill 250,000 m²</th>
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<tbody>
<tr>
<td>Capacity</td>
<td>165,000 t/year</td>
</tr>
<tr>
<td>Turnover</td>
<td>135 million Euros</td>
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<tr>
<td>Export</td>
<td>85%</td>
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<td>Workforce</td>
<td>350</td>
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</table>

Products, brands
- Uncoated graphical paper
- Brand names Amber, Munken and Polar
- Coated graphical paper
- Brand names Arctic

ABB load cells installed in paper machines and coating machines Pressductor PillowBlock Load Cells, model PFTL 101A/101B and PRT are the most common load cells installed

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