

MEASUREMENT & ANALYTICS

# Stora Enso in Fors, Sweden has successfully installed Pressductor PillowBlock load cells in their machines for manufacturing of carton board



Stora Enso Fors' machines for manufacturing of carton board are running with Pressductor PillowBlock load cells providing accurate wire and web tension measurement.

## Measurement made easy

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01-02 Stora Enso, Fors board mill, Sweden.

### About Stora Enso and Fors mill

Stora Enso is a global paper, packaging and wood products company producing newsprint and book paper, magazine paper, fine paper, consumer board, industrial packaging and wood products. Stora Enso's sales totalled EUR 10.1 billion in 2019. The group has some 26000 employees in more than 30 countries worldwide.

Fors Mill is one of the world's largest and most modern producers of carton board for consumer packagings and for printing purposes. Based on renewable raw materials, their products are used for some of the most demanding market segments. Fors continually develop and improve their products and services in close collaboration with their customers and suppliers in order to keep to the target of being the customers' first choice.

The environment plays a decisive part in their policy and they work hard to reduce the impact on the environment as far as possible.

For more information visit:  
[www.storaenso.com](http://www.storaenso.com)

### What has been achieved?

We ask Mr. Johan Meurling, Automation Engineer about the ABB Pressductor load cell installations: "The ABB load cells are homogeneous and robust, and the measurements are very reliable and stable. Ever since the first installation in the 1970's the load cells have been working very well. They very seldom break and we are very happy with them."

"We haven't had any problems with the PFEA tension electronics and it is really easy to operate."

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01 In the dryer section with high humidity and temperatures up to 90°C it is very important with ABB's reliable tension measurement.

02 ABB provides reliable wire tension measurement leading to consistent product quality, less sheet breaks at paper transfer points.

03 In general, the robust ABB PillowBlock load cells are working very well in the rough board industry production environment with high humidity and big fluctuations in temperature.



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“The ABB load cells are homogeneous and robust, and the measurements are very reliable and stable.”

Johan Meurling, Automation Engineer at Stora Enso Fors.

“We verify the tension system by using hanging weights. Since the Pressductor load cells show the same measurement results every time the production people are convinced that the carton board tension is always correct.”

“Wire tension systems have become an area of high interest due to the distinct gains realized by the addition of accurate and reliable tension measurement systems. At Stora Enso Fors we have installed single side measurement and we are pleased with the Pressductor PillowBlock load cells running very well in the wire section,” says Johan Meurling.

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### Supplied equipment

ABB Force Measurement has supplied Stora Enso, Fors mill, Sweden with, in total, 38 Pressductor PillowBlock load Cells and PFEA/PFTA tension electronics.

### Facts on Stora Enso, Fors Mill, Sweden

Capacity	455,000 tons/year
Workforce	~ 650
Products, brands	Carton Board, weight: 180 to 400 gram/m <sup>2</sup> Chromocard, Koppargloss, Kopparprint, Kopparwhite, Kopparwhite T, Performa White, Performa Cream, Performa Bright

ABB load cells installed in Stora Enso Fors' machines for manufacturing of carton boards	Pressductor PillowBlock load cell, model PFTL 101B, is the most common type of load cell installed
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