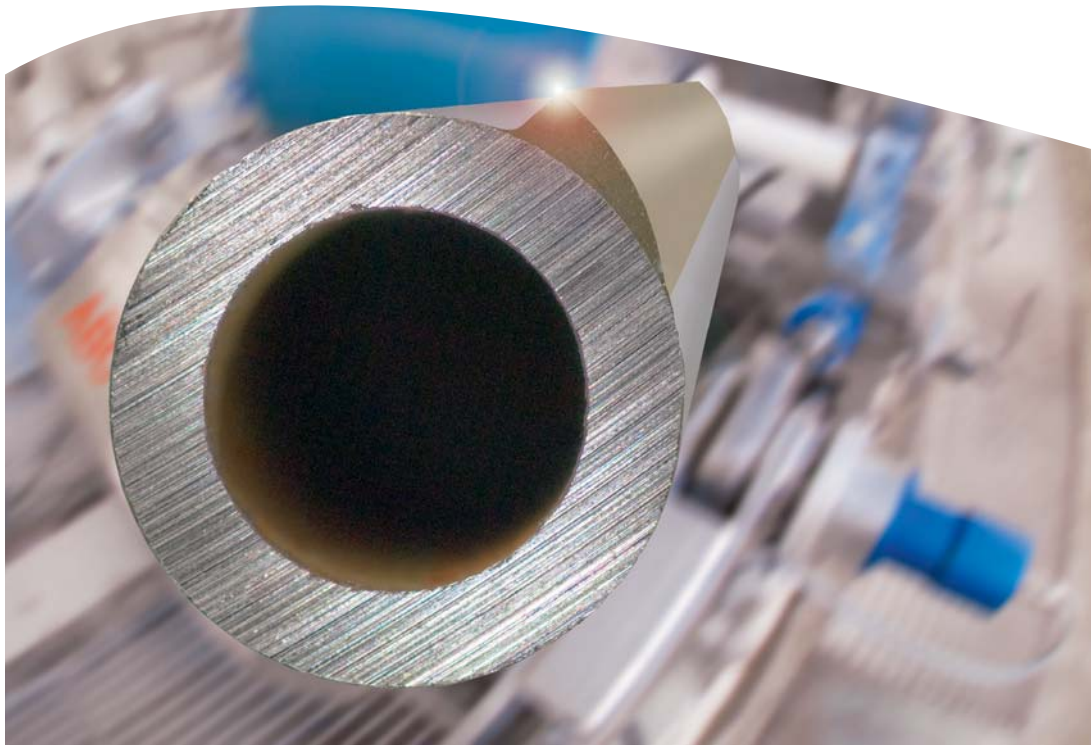


INVO[®] Tip

UMV's patented coating metering element



Product specification

The patented INVO® Tip gives;

- excellent fibre coverage
- improved print quality
- increasing production
- energy savings
- cost reduction due to cheaper raw material
- excellent life time
- easy control of the coat weight
- and it fits all of the existing coaters on the market

UMV has developed a new innovative, energy saving and quality enhancing metering element. The new product, INVO® Tip, gives excellent fibre coverage. Pilot trials and commercial mill trials shows that it is possible to reduce the amount of coat weight by 20 – 35% depending on the coating colour mix and still maintain the same print quality!



Many mills are today using conventional techniques, such as air knife, for achieving good fibre coverage. The new INVO® Tip gives a possibility to replace the air knife and reduce the energy consumption by increasing the solid content from 40 to 65%, AND increase the production output by 20 – 40% depending on existing drying capacity or other existing equipment limitations.

Additional cost advantage is that it is possible to utilize a cheaper coating colour mix and still maintain the same paper quality.

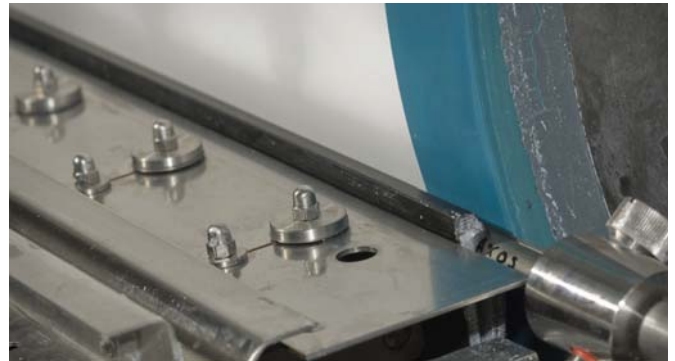


Figure. INVO® Tip installed in an ABC™ Coater.

Håkan Karlsson, the Vice President R&D, says – the development of a new metering element was a strategic decision for us. UMV is a turnkey supplier of coating sections including equipment and process knowledge and we needed to be able to supply the consumable as well.

INVO® Tip is an excellent product which gives the customer same quality result as a heavy investment such as a curtain coater.

The new coating metering element gives also a possibility for easy and stable coat weight control and it is possible to maintain the coat weight through out the life time of the metering element.

The INVO® Tip can easily be connected to the web break sensor and make sure that the metering element is turned away immediately during a web break. This will improve the life time of the INVO® Tip.

The INVO® Tip fits all of the existing blade coaters in the market!

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