

BW Converting

Change for the better

barrywehmler
bw
betterworld



Engraved rolls

Professional rolls
for all embossing needs



Northern Engraving
and Machine

Life cycle thinking in embossing

From tissue to nonwovens, towel, plastic and more, Northern Engraving and Machine provides solutions that bring our customer’s ideas to life.

Our Solution

For more than 80 years, Northern Engraving has engraved rolls for customers around the globe, we can also provide embossing equipment for any kind of substrate to suit all specific applications.





Tissue and towel



Nonwovens



Auto and textile



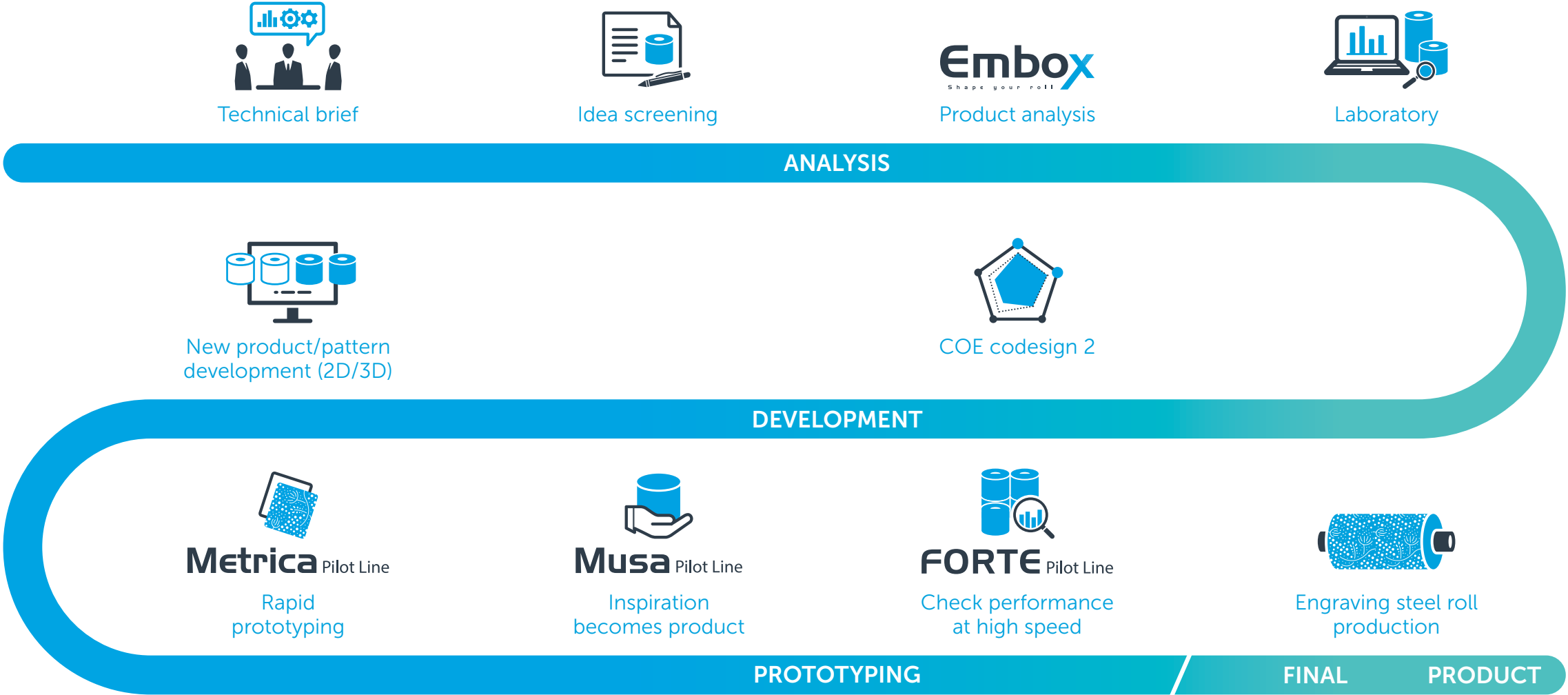
Home goods



Foil



Plastics



Production

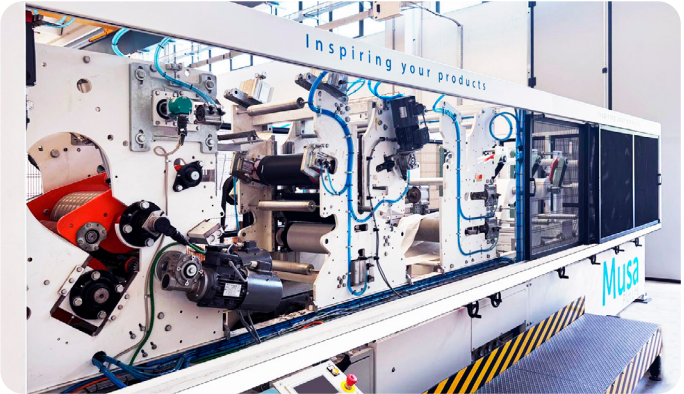
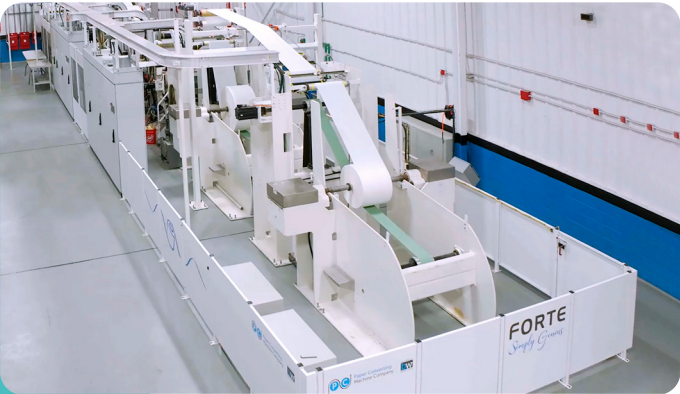
- Roll manufacturing
- Roll engraving
- Roll repair
- Roll straightening
- Roll refurbishment
- Embossing equipment

Product testing

Get real-world results before going to the market. Our converting solutions lab located in Europe and North America offers customers an optimal environment to test and optimize their products prior to releasing them in the marketplace. Whether you need to test new paper formulations and adhesives or want samples for product testing, our labs can help.

In addition, our on-site test capabilities provide customers with immediate product quality analysis reports featuring the following:

- Bulk
- Caliper
- Strength
- Stretch



Our engraving methods

Laser



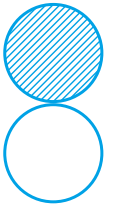
Laser engraving is the newest process for making embossing rolls and is used to etch a special coating that is applied to a steel roller. In addition to reduced lead times, laser engraving offers increased flexibility and reduced costs.

Tooling



Tooling engraving requires the creation of a special tool that is used to create the pattern in the final embossing roll. This tool is repeatedly placed on the roll, pressure is applied to it, and then moved until the full depth is achieved. This process allows for more precise replication of the pattern details.

Master



Master engraving is used to engrave two identical rolls or two identically opposite rolls. The process can also be used with hardened rolls and allows for non-continuous patterns.

Develop your future products with us!



Embox is a **digital platform** for product development



Contains a **catalog of pattern** proposals ready and the possibility, launch research and build your ideal product configuration



Offers the customer an **algorithm** to predict the efficiency of the final product

Embox
Shape your roll



Discover more

