

BlisterPro® XCEL Services

Speed to market through intelligent packaging design



“How does material science influence structural design?”

» Virtual 3D-modeling and prototyping reduces uncertainty and iterative costs.

“Can material selection improve production efficiency?”

» Total Cost of Ownership (TCO) analysis marries ideal material choice with optimum machine utilization.

“How do regulatory requirements affect package development?”

» Regulatory guidance on the impacts of sterilization, biocompatibility, and cytotoxicity on package design.

Support throughout the complete medical device packaging process

Klöckner Pentaplast's BlisterPro® XCEL services maximizes value and efficiency of medical device packaging design and production, enabling better decisions and speed for product launch.



1



Material Selection

Consult, support and sampling of material selection based on application requirements, (sterilization, transit or storage conditions, opening features, etc)

Value engineering tools and analysis to maximize efficiency of packaging operations

2



Package Design

Model designs based on applications and materials **using digital tools and virtual prototyping.**

Predict thermoforming performance and develop iterative tooling designs to minimize risk of production issues

3



Package Prototyping

In-house tooling for prototype production using selected materials allowing rapid creation of samples for evaluation in limited size

4



Performance Testing

Testing of prototypes or finished packages **according to ISO 11607 or other certifications** as required in marketed regions

5



Technical & Educational Services

Solving customers' shop-floor performance **issues** on site

Portfolio of **educational and collaborative programs** for engineers, scientists and packaging designers onsite or at our i.center