

SML 7-LAYER CAST FILM LINE

The Dow team worked closely with SML to design a semi-commercial cast film line that provides **maximum flexibility to support all cast film markets** both here in North America and globally. The new line reflects customer trends toward more complex cast film lines and thus allows us to match industry standards for our customers here.

Flexibility

The new SML Cast Film line is equipped with seven extruders, each paired with a six-component blending system. This provides maximum functionality to aid in designing next-generation cast films with enhanced performance.

Efficiency

The new SML line is equipped with a 72-inch Cloeren Reflex Die and is capable of running at speeds up to 2100 feet per minute producing films from as thin as 10 microns. Increased speeds offer more time for trials and more to be accomplished at Pack Studios.

Circularity

The SML cast line includes an EREMA recycle system. The EREMA recycle system can be used as a stand-alone system providing Dow with an opportunity to produce in-house recycled materials for evaluation and understanding.

Safety

The SML cast line also features a fully automated winding section which can remove finished samples and re-load cores for the next cycle. This minimizes operator interaction to potentially decrease workplace injuries. This level of automation is a first for Dow Pack Studios.



Opportunities to focus on downgauging, the addition of post-consumer recycle (PCR) content, or integrating Design for Recyclability (D4R) practices such as mono-material structures are now possible with Pack Studios' SML cast film line.

Pack Studios exists to enable collaboration and accelerate the development of innovative and sustainable films for primary, secondary, and tertiary packaging. The SML cast film line is helping achieve new insights for the potential of all-PE (mono-material) film structures. Customers are gaining further abilities to design for recyclability by proving their prototypes here. All without disrupting their own critical production schedules.

There's much more to discover. Find out more at www.dow.com or contact your Dow sales or TS&D professional.

