

# A.L.P. Extruder/Thermoformer Capabilities



A.L.P.'s Extruder/Thermoformer (ETF) is a highly efficient machine for producing thermoformed shapes in high volume. Production on the ETF is continuous, for higher throughput and consistency. First the material is extruded to create a continuous sheet and mechanically conveyed to the forming station. Then, the sheet is formed to a specific shape in a mold. Finally, the molded shape is trimmed to create the product and the trim scrap is reground and conveyed back to the extruder. The ETF system consists of a sheet extruder, calendar roll, accumulator section, thermoform, trim, web take-up and recycling.

The process is sustainable and environmentally friendly, using less heat energy than multiple production stations. Sheet is extruded in the precise width required for efficient use of raw materials, and the continuous recycling eliminates waste trim from scrap.

Suitable applications include lighting lenses, reflectors, durable packaging, skylights, trays or other large and/or high-volume shapes.

ETF Capability	
Maximum extruded sheet width	30"
Maximum net part width	26"
Maximum net part length	100"
Maximum depth of thermoformed part	6"
Minimum initial web thickness	0.060"
Maximum initial web thickness	0.110"
AVG feet/min using Acrylic at 0.110 thickness	8'

Suitable Materials
Impact modified acrylic
HIPS
SAN
ABS