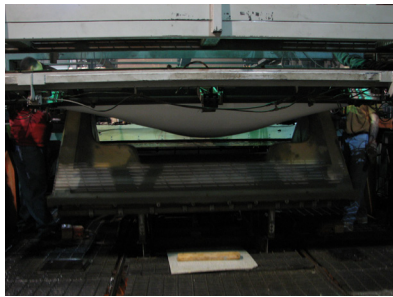


Saratoga Spa Product Design

Spa Shell Forming

Saratoga Spa Co. uses its own vacuum forming machine to create its TriLayer™ Shells. The sheet of Acrylic and ABS are placed in the “oven” and strategically heated above the spa mold. Temperatures are measured and timed at different locations. Once melted, the sheet is drawn into the mold, forming the Spa shell. The shell is then “popped” from the mold and moved to the ProTegrity™ rigidizing booth, where it receives the third layer, adding the 60lb density ProTegrity™ evenly and smoothly over the spa shell. These three layers provide structural integrity and a resistance to delaminating. Acrylic and ABS expand and contract at very similar temperatures, so they are much less likely to have problems of bubbling or separating after they have been formed together.



NOTES:
