



Carbon Fiber Matting

for Aerospace Industry

The unit shown above is one of four custom-designed **AccuNip**[®] units engineered and supplied to an OEM customer as part of a full processing line. The units control the amount of resin used in the manufacture of carbon fiber matting, control the thickness of the matting, and control the curing rate of the resin.

These **AccuNip** units each have a load capacity of 4,000 pounds. Each unit was supplied with a dual-drive mechanism to drive both rolls at the same speed, and an adjustable-gap device to precisely control the gap between the upper and lower rolls to within .001".

The nip rolls supplied with each unit are dual-shelled **Thermal-flo**[®] rolls with spiral inner fluid channels. Each roll has an induction-hardened outer shell to resist denting and is chrome plated to reduce wear. The chrome-plated surface has been ground and polished to .0002" T.I.R. with a surface of 2 micro-inch Ra.