



Carbon Fiber Squeezer

The “Squeezer Station” is an **AccuNip**[®] nip station that produces carbon fiber sheet material for use in the production of fuel cells.

The material is carried through the unit between two felts that prevent the material from sticking to the roll surfaces. The **AccuNip** unit removes the processing chemicals and calenders the carbon fiber sheet to a uniform thickness prior to a dryer/curing section.

The **AccuNip** unit used in this application is a Model 8K with an 8,000-pound load capacity, mounted on existing frames in the customer’s manufacturing facility. Both rolls have been chrome plated to withstand the harsh chemicals involved in the process. Both rolls are constructed with heavy-walled alloy material and have been induction-hardened to withstand the processing pressure and avoid “dimpling” of the roll surfaces.

The lower roll is driven and drives all other rolls in this process station. The unit was designed with an optional adjustable-gap mechanism that allows the customer to adjust the gap between the rolls for various material thicknesses.