



Autoclave Systems

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Vulcanizing and Rubber Curing

Widespread use of autoclaves occurs in the molding of rubber and plastics.

In the curing process, elastomer product is placed in molds on forms, mandrels, or frames, and then subjected to steam pressure that causes the temperature to rise. This process continues until the temperature is high enough to bring about chemical and physical changes in the product that allow it to attain the desired degree of elasticity, strength, and hardness.

Tire Presses

McGill AirPressure has designed and built some of the largest off-the-road tire heater presses in the world, including a press 240 inches in diameter that stands five stories high. Our custom designs, quality workmanship, and decades of experience are available to meet your off-the-road tire manufacturing needs.



This McGill AirPressure vulcanizing autoclave system, which included the bridge, load carts, and control system, is used to manufacture specialty rubber hose.



McGill AirPressure designed and manufactured this series of rubber curing autoclaves for a major supplier of large off-the-road tires.