

PHOENIX EQUIPMENT COMPANY

Phoenix Saturn Series Impregnators: Engineered to deliver consistent, efficient wet-out of glass fiber for composite manufacturing environments. Built with stainless steel construction and aluminum rollers, these systems provide durability, repeatability, and ease of operation across a wide range of production needs. All Saturn Series systems share a common design philosophy focused on reliability, simple operation, and consistent resin saturation.

Open-access layout and adjustable, replaceable wear components—including doctor blades—ensure low-maintenance operation, repeatable performance, and long-term durability across production cycles.

Roller Drive: Hand-cranked or air-motor powered with foot pedal control

Material Handling: Single or double glass racks, take-up mandrel, optional sheet feeder for Mylar or release film separation

Resin Delivery & Control: Polyester (Apollo internal-mix) / epoxy (Polaris) dispense systems; foot pedal or pneumatic level sensor; optional heated resin bath with hot water recirculation

Process Control: Adjustable doctor blade for resin content; optional measuring wheel for fabric length tracking

60" Impregnator High-volume production - wide-fabric applications

24" Impregnator Mid-range production - versatile shop layouts

12" Impregnator Narrow materials - controlled applications

