

P6000 Power Supply

Reliable, Accurate, and Versatile Power

0.5 kW - 30 kW

The P6000 Power Supply provides reliable, accurate, and versatile power, and is designed with the operator in mind. Pillar Technologies strives to be synonymous with high reliability, dedication to technology development, lean manufacturing principles, and second-to-none customer support. Pillar's engineers designed this power supply series for unrelenting performance in the most demanding applications.

Designed with this in mind, the P6000 Power Supply features:

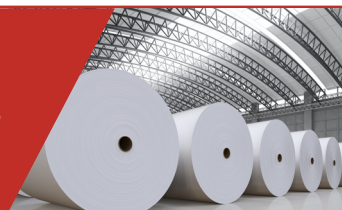
- **Insulated Gate Bi-Polar Transistor (IGBT) Technology:** an IGBT is a three-terminal power semiconductor used as a high efficiency switch. They are often used in high-voltage, high-current situations with low-power inputs, as well as applications like induction cooktops, AC and DC motor drives, and in our power supplies to be used with our surface treaters. Pillar's IGBT is designed to deliver instant, consistent, and efficient power.
- **Proportional Speed Control:** allows power matching to line speed to deliver consistent watt density across changing line speeds. And, watt density control automatically matches power to line speed while still accounting for web width. Additionally, there are input transformers available for when input voltage does not match the power supply requirements.
- **4-to-1 Load Matching:** the Power Supply's ability to provide full output power to various load conditions. These changes are typically caused when the system adjusts electrodes to match different read widths, as well as when adjusting electrode sizes or from one roll covering type to another. This also allows the P6000 to match the power output relative to line speed and helps unlock the versatility of your line.
- **20-to-1 Turn-Down Ratio:** refers to a power supply's ability to fine-tune power output for different applications. And thanks to its industry-best 20:1 Turn-Down Ratio, the P6000 allows you to use your corona treater across many different structures. This reduces changeover, and maximizes the potential for your converting line. The P6000 can be used with any existing corona station, regardless of brand.



Film Extrusion



Adhesive Coatings



Laminating and Printing



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P6000 Power Supply Applications

The P6000 Power Supply can be used within a variety of applications such as packaging, tapes, labeling, textiles, and non-wovens, and also provides the energy needed to properly modify plastic films before laminating and printing. In addition to this, it's a great fit for cast film and extrusion processes, and can even work well in many adhesive coating applications. The P6000 Power Supply can be paired with any corona treater used in film extrusions, with the most common being Pillar's own Blown Film Stations.

Additional Features and Benefits

- Intuitive Operator Control Panel: the operator control panel displays output power, voltage, current, and frequency, and makes adjusting settings quick and easy. The computer interface allows system settings to be interpreted on the control computer. And, the controls can also be mounted remotely from the power supply and treater station for more convenient access
- Extremely High Mean Time Between Failures (MTBF): MTBF refers to the average time between system breakdowns which require repair. For example, with 1,000 operational hours and 8 breakdowns over the course of a year, you'd have an MTBF of 125 hours
- Automatic Electrode Matching: automatically adjusts itself to match any electrode style dielectric material
- Variety of Safety Systems: emergency stop switch, safety door lock with tag out feature, safety interlocks for zero speed
- Quick and easy installation with numbered terminal strips to allow for interlock connections
- High humidity compensation to protect electronics in high humidity environments
- Electronic current trip to protect against ground roll failures
- Freestanding oil-cooled output transformers

