

P7000 Power Supply

Reliable, Accurate, and Versatile Power

3.5 kW - 30 kW

The P7000 Power Supply offers PLC integration and connectivity, enabling real-time access to equipment metrics and data with the ability to increase operational visibility from one central location. The P7000 Power Supply features include:

PLC Connectivity: The P7000 offers PLC Connectivity, enabling integration with Profinet and Ethernet IP via a dedicated gateway. Users can remotely control single or multiple power supplies and treaters to simplify management of equipment and ensure precise coordination across systems.

Data Visibility & Monitoring: The P7000 provides users a simplified interface to oversee operational data and monitor the status of the equipment. Specific operational data is provided via visual outputs that can be recorded by the user's PLC. Interlocks can be conveniently monitored from a single interface, simplifying integration into existing PLC systems for quick troubleshooting. With easy access to fault monitoring, the P7000 empowers users to maintain optimal performance and minimize downtime effectively.

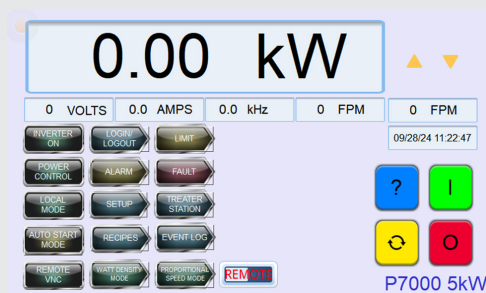
Multiple Run Modes: The P7000 offers versatile run modes designed to optimize performance based on your specific application. Using Watt Density Control, users can specify the desired watt density and treatment width, allowing the power supply to automatically scale power in accordance with the current line speed, ensuring consistent treatment across varying production rates. The Proportional Speed Control provides an alternative by allowing users to set a specific power level for a designated speed, with the power supply adjusting output to match the ongoing line speed, enhancing process efficiency. Constant Speed Control enables operators to set a fixed power output, maintaining stable performance regardless of line variations.



Film Extrusion

Printing

Laminating and Adhesive Coating



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Features

Connectivity & Monitoring Features:

- PLC Connectivity: Available connection to Profinet and Ethernet IP via Gateway
- Utilizes a VNC to control multiple power supplies and treaters through a centralized PLC
- Remote troubleshooting available for Pillar expert maintenance
- Ability to control engagement of electrodes and nip rolls; ability to turn exhaust blower on/off
- Conveniently monitor interlocks from one screen or integrate into PLC system for quick troubleshooting
- Easy monitoring of faults for troubleshooting purposes
- Various defined password permissions to give appropriate control to users
- Provide specific operational data as visual outputs with the ability to be recorded by the user's PLC via a connection
- Remote access from users devices; including PCs, tablets, and smart phones

Available Run Modes:

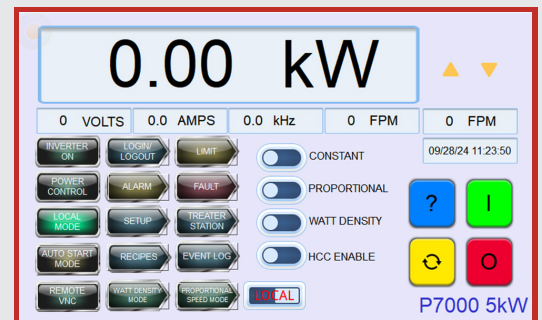
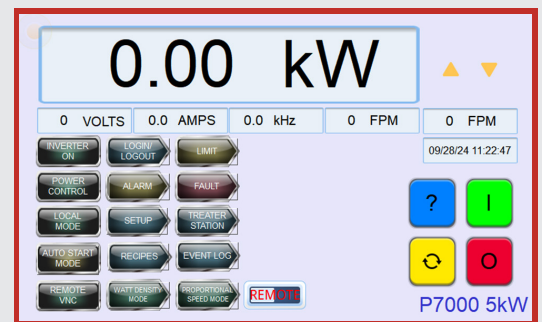
- Watt Density Control: set the desired watt density and treat width; power supply will scale power for current line speed
- Proportional Speed Control: set the desired power for a specific speed, power supply will scale power for current line speed
- Control Speed Control: Power supply will operate at requested power

Equipment Protection Features:

- Humidity Compensation Control: Power supply protection for start-up in humid conditions
- Auto Start/Min Speed: power supply will not start until minimum speed attained, protecting ground rolls from damage

Additional Features:

- Start/Stop contactor for safe, dependable operation
- Industry 4.0 ready, CE and ETL Certified
- Smart user interface with user-friendly screen interface that displays Power, Voltage, Current, and Frequency
- Loss of treatment indicator
- Easy installation



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P7000 Power Supply Applications

The P7000 Power Supply provides the energy needed to properly modify plastic films before laminating and printing and can be used within a variety of applications such as packaging, tapes, labeling, textiles, and non-wovens. 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 P7000 Power Supply can be paired with any corona treater used in film extrusions, with the most common being Pillar's Corona and Plasma Treater stations.

Additional Available Options

- Connection Cable Set
- Flex High Voltage Cable
- Input Transformer
- Vortec Enclosure Cooler
- Remotely Mounted Operator Panel
- Remote Troubleshooting



Product Specifications

P7000 Power Supply Specifications (Metric)					HV Output Transformer (Oil-Filled Type)		
Size (kW)	Height (mm)	Width (mm)	Depth (mm)	Weight (Kg)	Power Input (Volts AC/Phase)	Weight (Kg)	Dimensions - h x w x d (mm)
3.5 - 10	762	750	329	68	460/three	40	311 x 317 x 412
15	762	750	329	68	460/three	57	381 x 368 x 413
20 - 30	914	1054	329	125	460/three	103	470 x 368 x 516