Inductron II MPC power supplies take the guesswork out of matching power to work piece requirements. That is because we have more than doubled the operating range/flexibility of these units to give you more than 25 power/frequency options. Inductron II MPC power supplies are offered in single frequency and dual frequency configurations. Voltage source Inductron II MPC power supplies incorporate circuitry with high voltage semi conductors for long life, resulting in reduced downtime and higher production. Components are modular and accessible from the front of the cabinet.

**Benefits**

- The right power to meet job requirements
- Provides clear and concise status
- Provides greater process flexibility
- Integrates easily into modern equipment and SPC systems
- Reduces need for power factor correction
- Allows power supply to be mounted against a wall or machine
- Maximizes uptime
- Allows power supply to be mounted against a wall or machine
- Allows for quick and easy change-over to new process/parts
- Allows access to printed circuit board status LED’s without exposure to high voltage
- Tank circuit operates at lower voltages

**Features**

- Over 50 power/frequency combinations
- Provides clear and concise status
- Single, dual and variable frequency capability
- Integrates easily into modern equipment and SPC systems
- 95% efficiency at full load with an input power factor exceeding 0.93
- Allows power supply to be mounted against a wall or machine
- Built-in diagnostic routines simplify servicing
- Two RS-232 ports to interface with PLC, PC or plant computer
- 20-function keyboard for easy data entry
- Easy access to all components from front of machine
- Door-on-door design for operator safety
- 80 character alphanumeric display
- 50 or 250 millisecond ramp speed
Specifications

Frequency & Output Power

Single Frequency

1 kHz  250 - 1,000 kW
2 kHz  200 -  800 kW
3 kHz  200 -  800 kW

Dual Frequency

3 and 10 kHz  30 - 900 kW
10 and 25 kHz  50 - 300 kW

Regulation Accuracy

+/- 1% with +/- 10% line variation

Power Supply Efficiency

90% to 95% overall (min.)

Ambient Temperature and Sound Level

125° F (52° C)
80 to 85 dbA at 3 ft. (1 m) at 9.6 kHz

Cooling Water Volume

Approximately 14 GPM (38.75 liters) per 100 kW

Input Water Temperature

95° F (35° C) Max.

Input Water Pressure

90 PSI Maximum (6.2 bar)
30 PSI (2.0 bar) minimum differential

Safety Features (All Models)

NEMA 12 (JIC E7.1.3) type enclosure; Interlocks on doors; control and high voltage disconnect; optional internal lighting

Logic System

CMOS-type microprocessor-based with 20-function keyboard for data entry

Diagnostics

Built-in routines to monitor

Operating Temperatures

32° F to 125° F
(0° to 52° C)

Display

Four line (20 characters per line) alphanumeric display utilizing interactive operator prompts

Remote Communications

Two RS-232 ports to interface with PLC, plant computer or PC. Four non-dedicated channels to monitor/display functions such as part temperature and line speed

Options

Digital interface card, energy monitor. 12-pulse rectifier cabinet light, automatic frequency switching, analog control, Ajax Tocco Coil Monitor

Specifications subject to change without notice