

Liquid cooled AC/DC system for industrial laser cutting purposes

Industrial Automation



AC/DC POWER SUPPLY

The ability to run a production facility with optimum availability of production capacity has changed over the last several decades. Rather than shifts of workers streaming in and out, an army of robotic welding and laser cutting tools are used. The demand that these be efficient, reliable and constantly available to perform the tasks at hand has introduced multiple layers of demands. The first and foremost being powering these devices to perform quickly, accurately and efficiently. This is what SCHAEFER GmbH Germany has been doing throughout industrial automation applications around the world from 5kW through 45kW electrical power stand alone or paralleled solutions:

- 15kW power supply for fiber optic laser application
- Liquid cooling at least 10l/min or more
- Hermetically sealed enclosure
- Indication of voltage and current
- Voltage, current and temperature interfaces
- Overvoltage protection switches off module with automatic return to operation; OVP adjusted to 110% of adjusted voltage programming value.
- Inrush current limiting
- High power density

