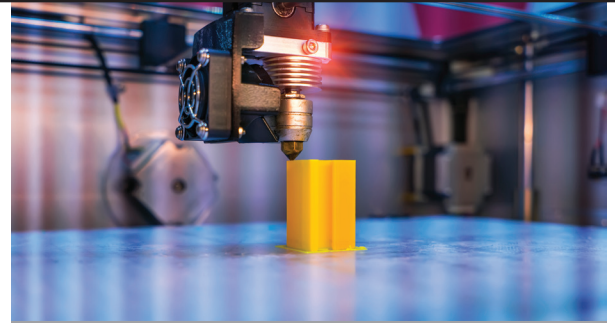


3D printer manufacturer receives quality components and inventory storage space from Emerson

RESULTS

- Solenoid valves' low-temperature coil design successfully prevented overheating in 3D printers
- Local ASCO™ brand distributor agreed to hold inventory—differentiating Emerson from other suppliers and providing the customer with additional inventory space



APPLICATION

Voltage ranging solenoid valve that prevents overheating

CUSTOMER

Manufacturer and developer of 3D printers

CHALLENGE

A 3D printer manufacturer required a solenoid valve with multiple voltages and low-holding amps. At the time, the company was experiencing issues with high amperage draw—causing overheating and damage to its printers.

This customer also needed additional storage space for its inventory in the event demand increased unexpectedly. However, the manufacturer was having difficulties finding a valve supplier that could also provide the appropriate warehouse space.

SOLUTION

To meet this application's power requirements, Emerson experts provided the manufacturer with ASCO™ Next Generation Electronically Enhanced Valves with a voltage range of 12 to 24 DC. These solenoid valves incorporate a power management circuit that lowers overall power consumption.

In addition to offering the proper voltage range, the Next Generation valves had the added benefit of featuring a low temperature rise, which prevented overheating in the 3D printers. The valves' low-temperature design, which draws only 1.2 watts of power, also improved the valves' longevity and lowered the total cost of ownership by 14 percent.

Quality products and willingness to accommodate the customer's needs—both technical and otherwise—contributed to the 3D printer manufacturer's satisfaction.

An ASCO local distributor also agreed to hold additional inventory for the manufacturer in the event of unexpected demand. By working with Emerson, the customer now enjoys additional inventory space—something the customer could not find in any other supplier.

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