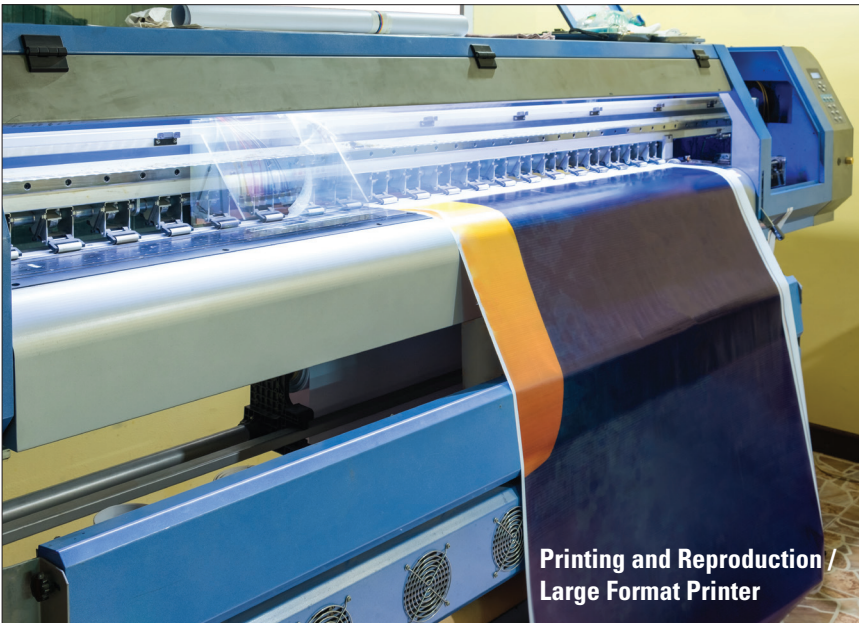


from Bodine Electric Company

Small Gearmotor Drives Large Format Printer



Printing and Reproduction / Large Format Printer

An original equipment manufacturer in the print industry required a brushless DC control and gearmotor system to turn a very large metal cylinder that feeds media into the printer. After the printing is complete, the media will be rewound with a second, identical motorized winding system.

To save space and simplify assembly, Bodine engineers suggested using a Bodine Integra gearmotor, which includes a built-in speed control and tach output.

The Result:

By taking advantage of the wealth of relevant technical information at bodine-electric.com and by employing our engineering team's design expertise, the OEM found a gearmotor that could meet all required performance parameters

- Custom low-voltage BLDC, type 22B/SR-Z gearmotor
- Built-in speed control and tach output
- Factory preset current limit to set stall torque
- All-steel gear train for long life during frequent stall conditions

Bodine brings over 110 years of problem solving experience to a wide range of applications in industries as diverse as energy production, medical, packaging, industrial automation, and solar powered outdoors equipment. We look forward to working with you on your next fractional-horsepower gearmotor design challenge.

application insights

The Design Requirements

A new design of a large format printer required a 24VDC gearmotor/control system to feed media through the printer.

The Solution

- 22B/SR-Z parallel INTEGRA gearmotor with built-in speed control
- Application-specific current limit to set the max torque
- Steel primary gear for extra strength during stall conditions



Stock / standard 22B/SR-D INTEGRA gearmotor ([click here for more info](#))