

The Stolle Gravlite® and GlidePro® OV Roll Systems

PRODUCT INFORMATION

The Stolle Gravlite® and GlidePro® Systems make changing the gravure and applicator rolls on decorator over varnish units simpler, faster and safer. Instead of having to remove and reinstall the heavy gravure and applicator rolls, lightweight sleeves slide onto mandrels with air pressure assistance.

With the Gravlite System, a mandrel cylinder is installed on the gravure roll shaft, and a ceramic-coated laser-engraved gravure roll sleeve fits on the mandrel. The sleeve is easy to remove and reinstall to the air mandrel by connecting an external air hose. On a Gravlite sleeve, the laser engravings stay cleaner longer which increases coating quality consistency through more efficient lacquer transfer.

Similarly, the GlidePro System features a mandrel that bolts to the applicator roll shaft, and a lightweight polyurethane applicator roll sleeve easily slides off and on the mandrel when air pressure is applied with an external air hose (a through-the-shaft air supply with a valve is under development). The mandrel does not require manual adjustment and has no moving parts. Through an innovative manufacturing process, the combined Glidepro mandrel and sleeve has a TIR as low as 0.001" which reduces varnish use and cost. The reduced roll pressure extends the life of the sleeve and allows an increase in decorator speed with less pressure exerted on the cans.

The Gravlite and GlidePro Systems make changing the gravure and applicator roll procedures much faster and easier for decorator technicians during can height changeovers and routine maintenance. Only having to change the lightweight sleeves rather than the entire heavy roll assemblies also reduces health and safety issues for the technicians. A traditional Concord OV gravure roll weighs nearly 53 pounds, while a Gravlite sleeve weighs only 5 pounds. A traditional applicator roll and hub assembly can weigh over 60 pounds, where the GlidePro sleeve weighs less than 9 pounds.

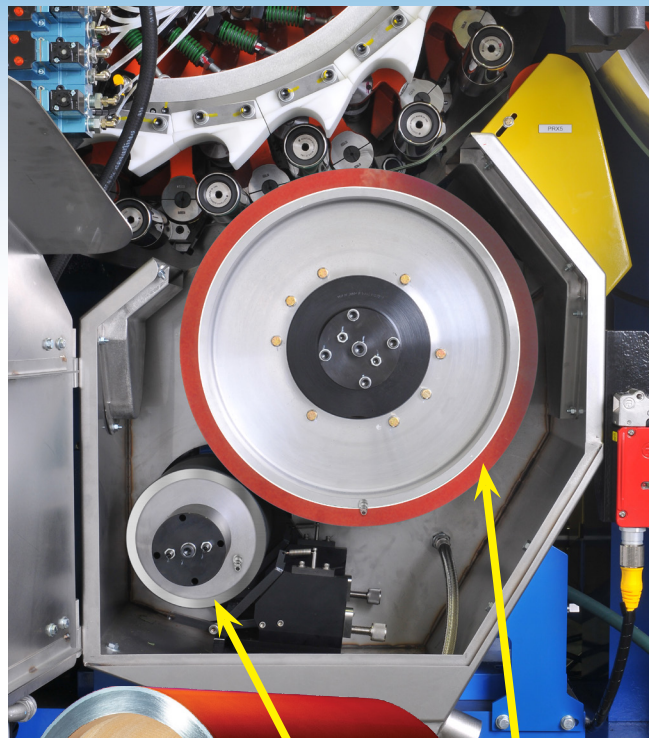
The Stolle Gravlite and GlidePro Systems will improve the efficiency of your decorators by making can height changeovers and OV unit maintenance faster and easier. These pneumatic sleeve systems are available for both Concord and Rutherford Decorators, for both servo motor and linkage-driven OV units, as well as standard and reverse OV units. They are available as an option on new machines, and can be retrofitted to existing machines.

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SUSTAINABLE TECHNOLOGY LEADERSHIP

Gravlite® patent numbers US11059284, EP3368317B1
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