

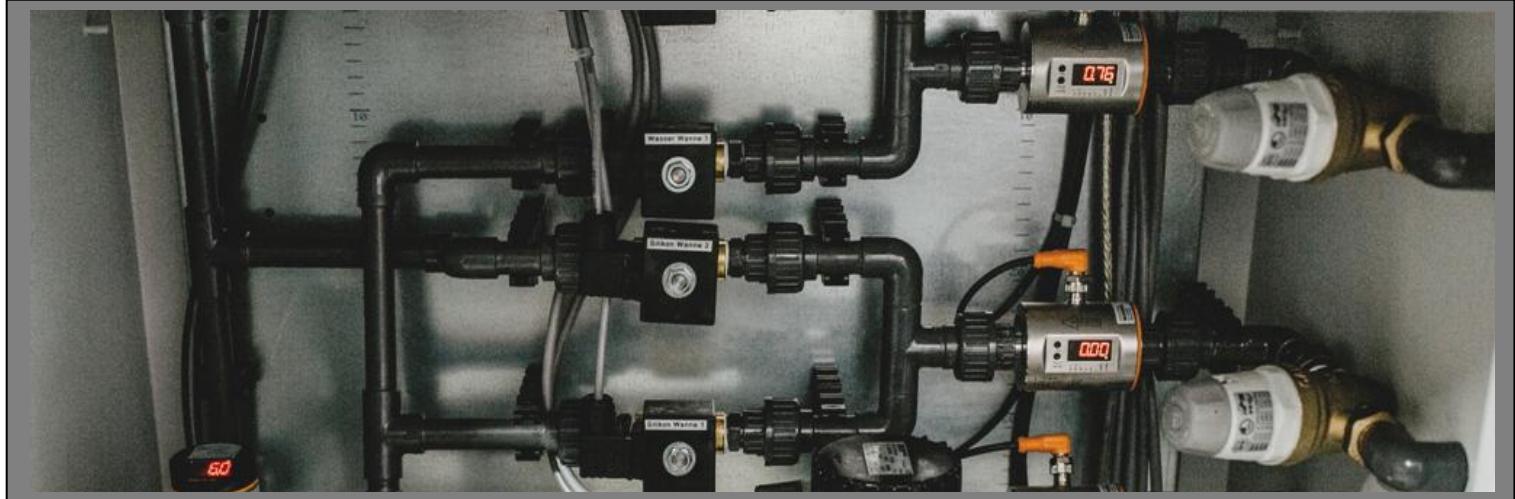
me|tech



SDA Silicone Dosing Applicator

Productdescription

The average gives the world its existence,
the extraordinary their value.
(Oscar Wilde)

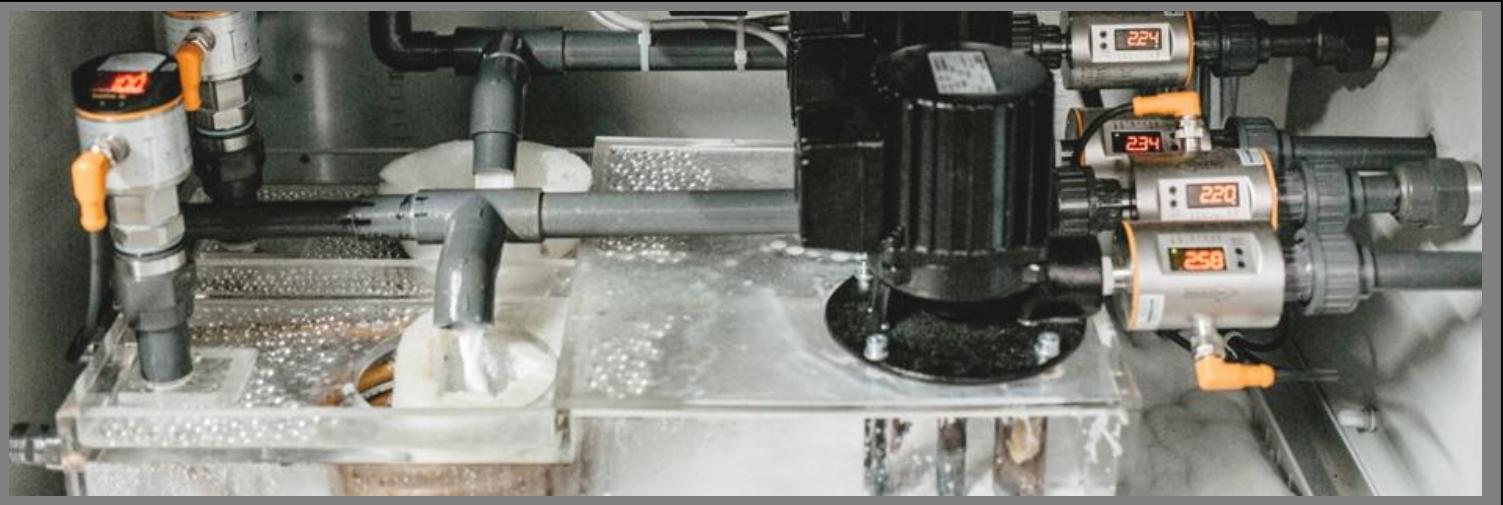


SDA Silicone Dosing Applicator

The SDA redefines the standard for silicone supply and dosing systems in printing presses

Permanently accurate, reproducible mixing ratios of the emulsion, precise supply and application as well as tempered, permanently durable emulsions paired with state-of-the-art measuring, control-, control and operating technology ensure excellent application of the emulsion to the paper web while at the same time significantly reducing the starting materials, procurement and cleaning and maintenance costs.

The SDA reduces your silicone costs to a minimum





characteristics of the SDA

- ✓ Furthermore, emulsions are used instead of silicone oil. No changes in procurement.
- ✓ High-precision measurement of the materials in the emulsion, no calibration necessary! Temperature, viscosity and composition changes have no effect on accuracy. This also makes it suitable for future silicone technologies without adaptation.
- ✓ Emulsions are not calculated but measured. The result is always the same mixing ratios as selected by the operator. No deviations due to external factors.
- ✓ Circulation process means: no phase separation of water, silicone and additives. No aging or disintegrating in application sinks.
- ✓ Two-stage filtration in the circulation system. As a result, the greatest possible degree of cleaning of all components in the entire system.
- ✓ Separate dosage ratios for top and bottom web sides. No overdosing of a web side.
- ✓ Separate very fast automatically controlled regulation of applicator rollers according to consuption, speed and temperature. Always consistent but only necessary.
- ✓ Temperature control of the silicone emulsions by materials, web temperature, and best viscosity for the job. The consuption of the emulsion decreases despite higher coverage and elimination of streaking.
- ✓ Reduction of the application roll temperature to the best possible operating point. No phase separation of the emulsion on the rollers possible, thereby further suppressing the streaking and reducing the amount of consumption.
- ✓ Preset recipes. The printer can select a preset recipe and does not need to deal with the individual settings.
- ✓ Up to 100 custom recipes. Recipes can be saved for periodicals and only need to be selected the next time you print.
- ✓ All the features mentioned above as well as special features in the controller lead to a significant reduction in silicone consumption while at the same time raising quality, reliability, operator and maintenance friendliness.

Other important features of the SDA silicone dosing system:

All components of the SDA are fanless housed in a cabinet IP54. This eliminates filter replacement for fans and venting, as well as the cleaning of the interior and components, although the equipment is installed in a very dusty environment near the folders.

When using the mematech silicone application rollers, the application quality of the silicone emulsions can be increased again and the procurement costs can be significantly reduced, and with longer service lives compared to other application rollers.

**The payback times of an SDA achieved so far were all
well below one year.**

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