



THE FLEXO COMPANY

WaterDrop S-One LED

ALL IN ONE UNIT

Max Plate Size: 635x762 mm / 25x30 in



The WaterDrop S-ONE: From Exposure to Finishing in One Complete Solution

The WaterDrop S-One LED is an All-in-One unit; a **complete solution that brings together all the key stages of plate processing into a single system**. At its core is the new flat brush washing technology, ensuring effective and uniform cleaning while keeping the production cycle simple, compact, and highly efficient.

Alongside washing, **the unit integrates the proven LED exposure technology developed by The Flexo Company**, delivering faster exposure times compared to LED scanning systems, superior uniformity over traditional lamp units, and adjustable UV output for different plate types. **With a lifetime of up to 30,000 hours**, the LEDs ensure long-lasting, reliable performance.

To complete the process, the system is equipped with a fluorescent lamp light finisher and a two-drawer dryer, providing an all-in-one platform for exposure, washing, drying, and finishing.

For maximum sustainability, the unit can be equipped with the optional Waterdrop WDU 200 evaporation system, creating a fully closed-loop water cycle that eliminates water waste and ensures environmentally friendly operation.



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KEY FEATURES:

- **LED Matrix Technology:** this configuration enables simultaneous exposure of the entire plate, achieving significantly faster exposure times: 30% faster than fluorescent lamps and up to **three times faster compared to any scanning LED system** currently available on the market.
- **Adjustable LED Power:** LED intensity can be adjusted through the unit's interface to achieve round or flat dots, **with the capability to produce flat dots even on standard plates.**
- **Superior Washout Quality:** The unit features a **new brush material and an innovative bristle configuration**, ensuring consistently higher quality of the finished plates, higher washout quality over the years, , and guarantees less wear on the brushes, as well as easier maintenance.
- **Closed Loop operation with WDU200 Water Distillation Unit (optional) :** Paired with an automatic water distillation unit, the unit ensures a sustainable **"closed-loop" system by reusing water**, efficiently collecting only the monomer. This system guarantees top-tier washing quality with minimal maintenance and no water disposal required.
- **Light Finisher (fluorescent lamps):** designed for the post-exposure of all types of flexographic plates. It features advanced PLC control, fiber-optic for lamps monitoring, and an integrated system to track the operating hours of the lamps.



KEY FEATURES:

- **Dryer:** designed for efficiency and sustainability, featuring two drawers for optimized plate drying. **Advanced insulation minimizes heat loss, reducing energy consumption.** The automatic heating system ensures precise temperature control, while the touch screen interface offers intuitive operation. **An automatic shutdown function conserves energy after the final plate is processed.**
- **iFlexo: Data and Remote Control:** you have the option to equip the unit with iFlexo; a high performance software that provides **remote control and upgrades by TFC**, extended data collection, and a monitoring system with preventive warnings about wear and tear of parts.
- **Technical Support:** **The Flexo Company ensures 7/7 technical support** to promptly address any issues and minimize disruptions. Tailor-made maintenance packages are available to ensure optimal performance.



Technical Data:

Dimension: cm W161x120lxH107 (H192 Lid open) / in W64xL48xH42 (H76 lid open)

Weight: 700 kg / 1543 lb

Power Supply: 400v 3P+N+Gnd / 230v 3P+Gnd (50/60Hz)

Air Supply: min 6 Bar / max 10 Bar

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