



SMARTFLOW®

Intelligent Programmable Control

Get Smart With Fluid Application

The easy-to-use SmartFlow® allows metal formers to take full control of die and stock lubrication. This full-featured, programmable fluid controller makes configuring, controlling, monitoring, and tracking fluid application easier than ever, leading to increased profits from the stamping or forming operation.

Designed around an intuitive and easy-to-use operator interface, the SmartFlow® provides simple and guided setup, advanced press control integration, fluid usage tracking, process monitoring, and enhanced diagnostic and maintenance tools.

Save and recall jobs manually or utilize the press control interface for easy, automatic changeover. Back up and transfer jobs and settings between lines with a USB flash drive and the SmartFlow's™ USB port. Pair the SmartFlow® controller with Unist's proven line of precision fluid applicators for an intelligent lubrication system that eliminates wasted fluid and mess, reduces scrap, and maximizes profits.

Patents:
US11846213B2
US12258889B2



50%

Reduce lubricant consumption by 50% or more when combined with a Unist Uni-Roller® S2 applicator.



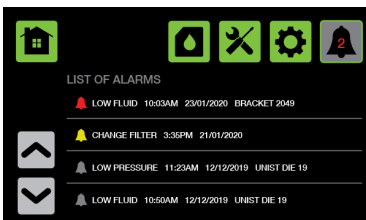
Touch screen interface

Easily access jobs, settings, maintenance reminders, and more. The intuitive menu allows for easy transition from box to production line



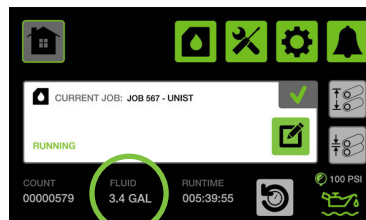
Easily create jobs

The job setup wizard guides users through creating a job. Once created, simply increase or decrease the amount of lubricant desired for quick fine tuning of lubricant coatings



Process monitoring

The SmartFlow® controller can monitor pressure, flow, valve performance and line status to ensure lubrication is delivered as required



Fluid tracking

Take the guesswork out of tracking fluid consumption. Directly measure how much fluid your process is consuming with the optional flow meter. With the SmartFlow®, you'll work smarter and know your exact lubricant cost per part



SmartFlow® programmable fluid controller



Uni-Roller® S2 lubricator

Contact Us Today!
Email salesupport@unist.com

Specifications

Power supply:

To integral transformer: 120 VAC, 2.5A max or 240 VAC, 1.3A max, 50/60 Hz
Direct to controls: 24 VDC, up to 150 watts

Cycle inputs:

4 inputs, dry contact (switch closure), or 10-30VDC NPN or PNP sensor

Maximum cycle input rate:

50 cycles/second at 50% duty cycle, minimum contact open or closed time: 10 ms

Alarm inputs:

2 inputs, dry contact (switch closure), or 10-30VDC NPN or PNP sensor

Outputs:

Up to 22 outputs, 24 VDC, 6.5 watts, for nozzles or rollers

Alarm interlock relay:

Dry contact, normally open or normally closed, 2A max current

Operating temperature range:

32°F-122°F [0°C-50°C]

Storage temperature range:

-4°F-158°F [-20°C-70°C]

Press control interface:

Modbus protocol over RS485 serial or Ethernet

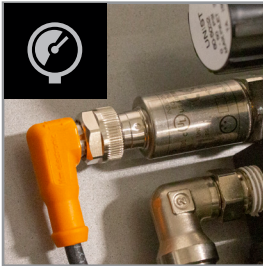
Job storage:

250 jobs

Job transfer:

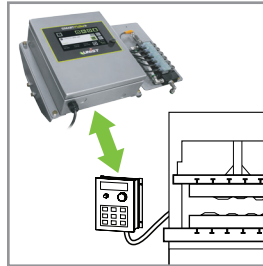
USB-A flash drive

Options



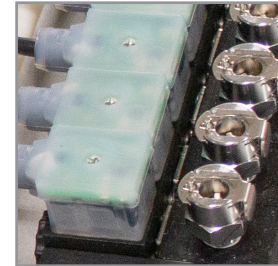
Pressure transducer

Ensure the system is ready to dispense fluid by monitoring the fluid supply pressure. Configurable low pressure alarm point via the user interface



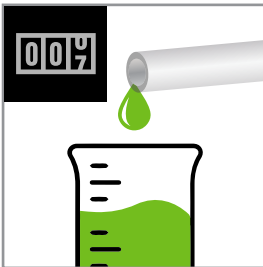
Press control interface

Connect to production line controls to exchange information about jobs, settings, and alarms for easy job changeover and monitoring



Flow monitoring

Monitor fluid pressure while dispensing to detect fluid flow for confident operation



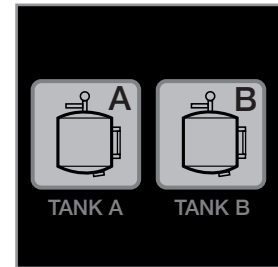
Flow totalizer

Measure volumetric fluid flow to provide fluid consumption data



Remote valve enclosure

Mount control valves up to 50 feet away from the main fluid controller for easy access to the operator panel



Dual fluid supply

Program jobs to use fluid A or B when connected to dual fluid supply with solenoid fluid selector valve

NEED MORE INFORMATION?

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