



## Unist – Mini Rollers (1” – 6”)

### Intelligent stock coating solution

The Mini-Roller™ applies the correct amount of fluid for your small press window and high-speed, short feed length applications when combined with a SmartFlow® programmable fluid controller. This 1 to 6 in. wide (25 mm to 152.4 mm) unit consistently applies the correct amount of fluid and lets you start saving now.

- Uni-Roller® precision for narrow coil
- Internally-supplied rollers
- Consistent fluid application
- Neat application - No fluid mess!
- Horizontal or vertical
- Reduces fluid usage - Saves money!

**SAVE**  
**50%**  
**ON FLUID!**

### Mini-Roller™ reduces fluid usage and saves money

On average, a Unist system can reduce stamping fluid consumption by 50% with some customers reporting reductions as high as 90%!



## 2 configurations

**Horizontal model** uses a fluid controller to inject lubricant into a dispenser tube inside the roller. Small holes in the tube evenly distribute the lubricant along the length of the roller.

**Vertical model** uses a baffle positioned inside each of the rollers near the top. Every time the fluid controller injects lubricant into the dispenser tube, the fluid spreads across the baffle and is redirected to the outside of the roller. Gravity pulls fluid down the length of the cover.

### Mini-Roller™ applications:

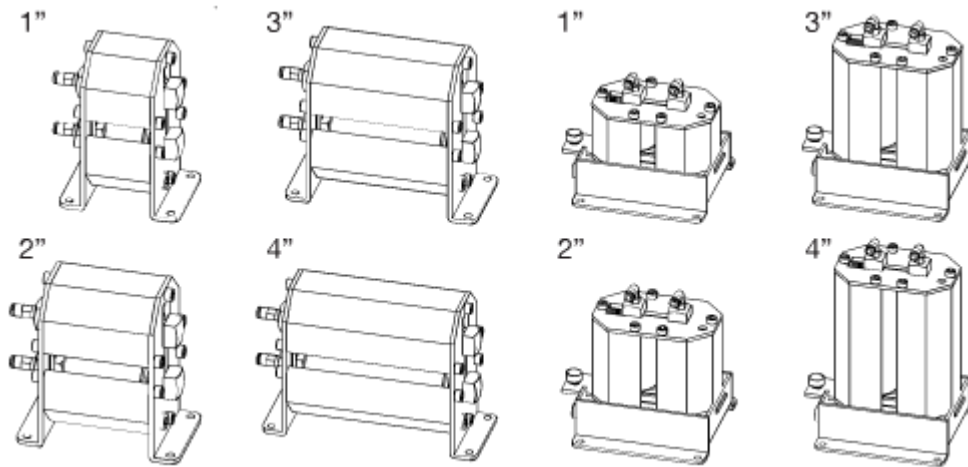
- Small press windows
- High-speed, short-feed lengths
- Thin stock
- Punching
- Stamping
- Roll forming
- Four slide
- Many other metal forming applications

### Delivers return on investment in less than 6 months

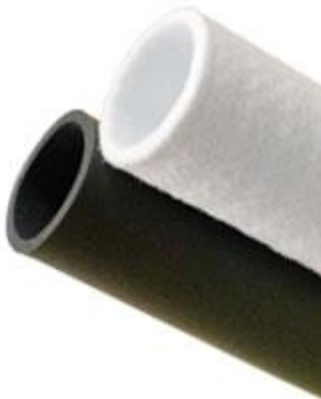
That's what many of our customers report. By applying the proper amount of fluid, the Uni-Roller® lubricator uses 50 to 90% less lubricant. Plus it decreases the mess, the parts cleaning, fluid recycling and costs associated with in-die spray systems, rag technology and externally lubricated roller.

## Available widths

Both vertical and horizontal Mini-Rollers™ are available in 1" (25mm), 2" (51mm), 3" (76mm), 4" (102mm), and 6" (152.4mm) widths



## Available roller covers:



### **Polyester felt (standard)**

Extremely durable and compatible with a broad range of fluids

### **Polyurethane foam cover (optional)**

For use with vanishing oils and with thin stock which is narrow compared to overall roller width. Limited fluid compatibility, please contact Unist before selecting this option.

## The internally-supplied difference

The internally-supplied rollers are essential to precisely applying the fluid. Inside each of the rollers is a dispenser tube with small holes placed along its length. Fluid is injected into the dispenser tubes from the fluid controller and dispensed across the inside of the rollers.

The lubricant is transferred to the stock through durable polyester felt or polyurethane foam roller covers. These cover materials apply the lubricant smoothly and evenly across both the top and bottom of the stock.

The Uni-Roller® S2 Powered applies the exact amount of lubricant required. This eliminates the mess and waste associated with in-die spray systems and externally lubricated roller systems. The result is not only a cleaner shop, but also significant savings from decreased fluid waste, improved die life, better part quality and increased machine up-time. Many customers have reported savings resulting in a return on investment of less than six months!



Uni-Roller system deliver smooth and consistent lubrication.

## Take control with the SmartFlow®

The SmartFlow® alerts you to issues before they become expensive problems that interrupt or stop your production lines. With the SmartFlow® you'll know immediately if the fluid supply runs low, if fluid pressure varies, or if flow to the applicator is interrupted (Level, pressure, and flow sensors required). The SmartFlow® features an intuitive, easy-to-use interface as well as an access code to prevent unauthorized tampering or changes in fluid settings.



## SmartFlow®

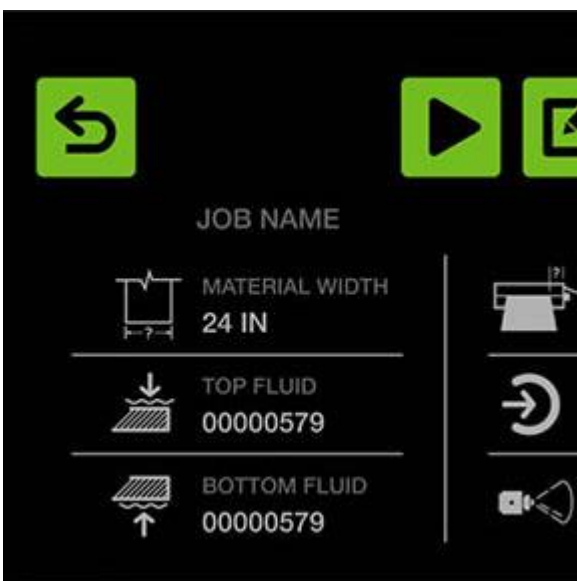
- Monitors critical parameters
- Controls up to 22 outputs
- Stores up to 250 setups



Easy to use touch screen interface.



The [SmartFlow® controller](#) can monitor pressure, flow, valve performance and line status.



Job setup wizard makes job creation easy.