

Heavy Gauge Lubrication

The Uni-Roller® S2 HG delivers the same smooth and consistent fluid application the industry has come to expect from Unist, and adds an articulating chassis. The upper rollers open a full 6" [152 mm] to avoid deformities in the head or tail of coil stock, making loading easier and preventing damage to the lubricator.

- Reduce lubricant consumption by 50% or more
- Quick-change rollers for easy maintenance
- Cleaner floors & work area

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.

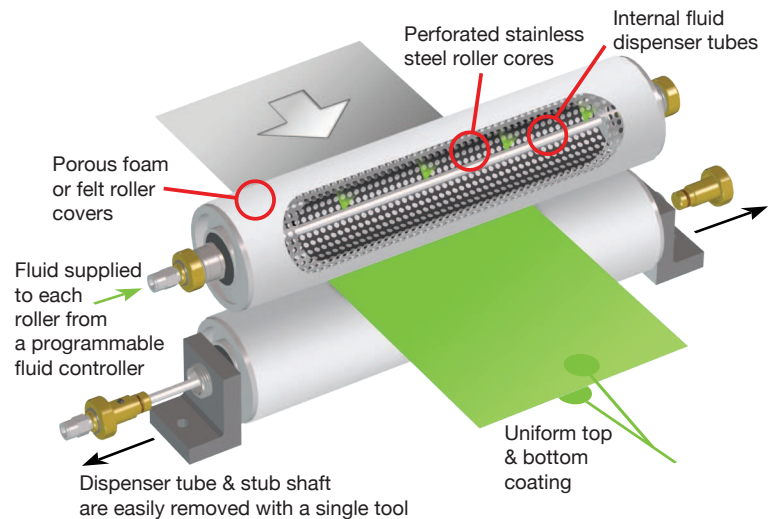
The lubricant is transferred to the stock through durable polyester felt or polyurethane foam roller covers. These cover materials apply the lubricant smoothly and evenly across both the top and bottom of the stock.

The Uni-Roller® S2 HG 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!

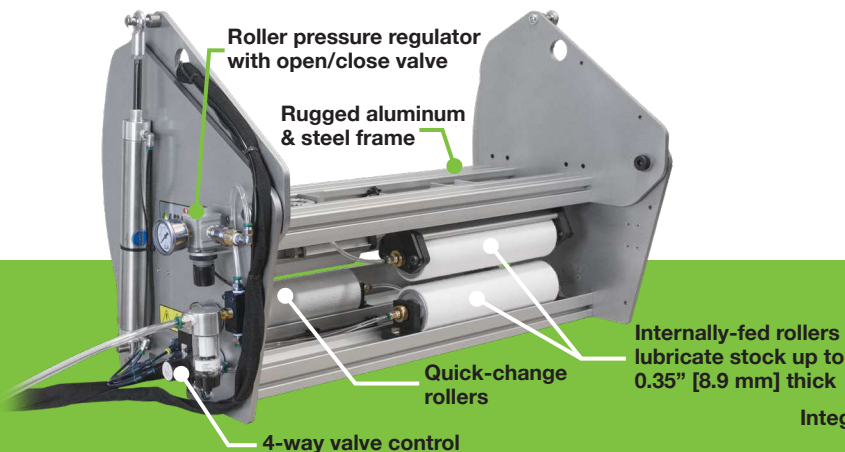
The brushed stainless steel guards protect the rollers and guide material when loading coil stock or feeding blanks. With the guards removed for better access, a roller can be changed in about a minute using a single wrench. The Uni-Roller® S2 HG is built to handle any manufacturing environment without sacrificing ease of maintenance.



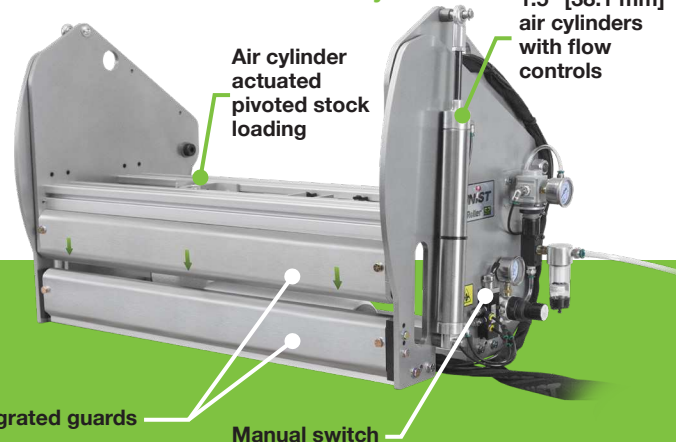
The Uni-Roller® S2 HG is modular in design. Opening and closing is controlled by a manual or solenoid valve. A single roller set is used for widths of 18" [457 mm] or less. For stock over 18" [457 mm] wide, multiple 12" [305 mm] wide roller sets are staggered and overlapped. Standard sizes are available to accommodate common stock widths, with custom sizes available on request.



Uni-Roller® S2 HG exit side



Uni-Roller® S2 HG entry side



All Uni-Roller® S2 HG lubricators have guards on the entry side only.

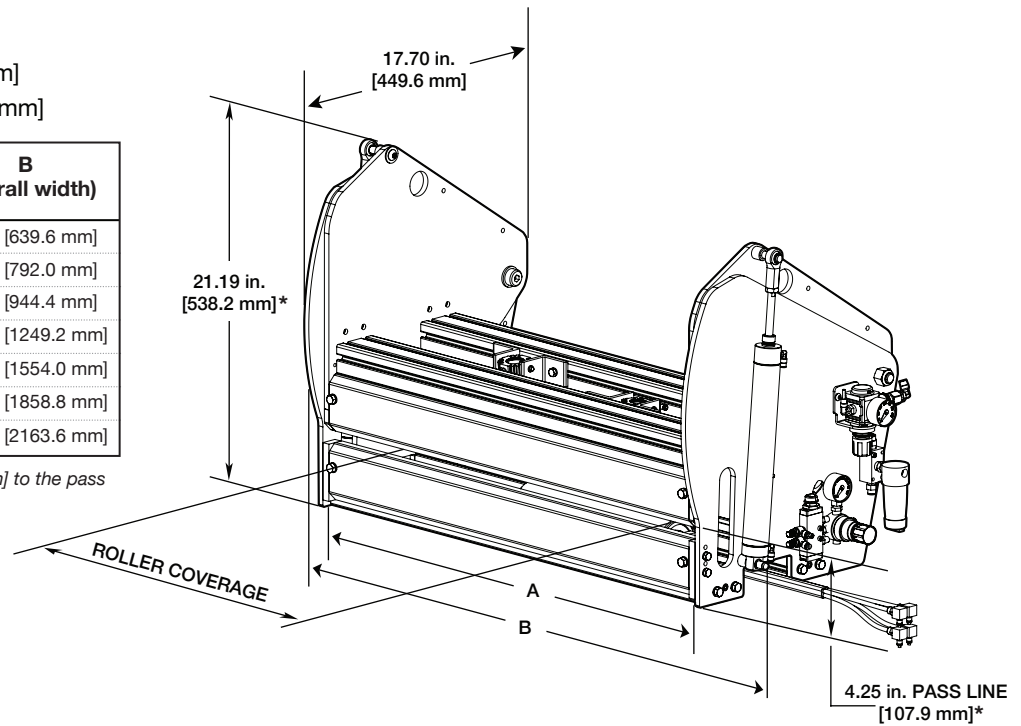
Standard Sizes

Single roller coverage up to 18" [457.2 mm]








Multiple rollers coverage over 18" [457.2 mm]

Roller coverage	A (extrusion length)	B (overall width)
12" [305 mm]	19.00" [482.6 mm]	25.18" [639.6 mm]
18" [457 mm]	25.00" [635.0 mm]	31.18" [792.0 mm]
23.5" [597 mm]	31.00" [787.4 mm]	37.18" [944.4 mm]
35" [889 mm]	43.00" [1092.2 mm]	49.18" [1249.2 mm]
46.5" [1181 mm]	55.00" [1397.0 mm]	61.18" [1554.0 mm]
58" [1473 mm]	67.00" [1701.8 mm]	73.18" [1858.8 mm]
69.5" [1765 mm]	79.00" [2006.6 mm]	85.18" [2163.6 mm]

*On units with double air cylinders add 1.40" [35.6 mm] to the pass line and overall height.



Features & Options

Standard features	Options
 Polyester felt cover Extremely durable and compatible with a broad range of fluids.	 Polyurethane foam cover Reduces uneven wear on cover when a variety of stock widths and thicknesses are used. Due to limited fluid compatibility, consult Unist.
Standard fluid dispenser tube Best choice for most applications with the widest range of fluid compatibility and flow rates.	Low volume fluid dispenser tube For use in applications requiring coverage of 50 mg/ft² [538 mg/m²] or less.
 Manual switch Manual open/close control of the roller set.	 Solenoid valve To tie into control systems to automate opening of roller set.
 Single pneumatic air cylinder Preferred method for maintaining pressure on stock and opening the rollers to load a new coil.	 Double pneumatic air cylinder The double air cylinder is required for stock thickness over 0.25" [6.35 mm].
	 Proximity sensor Used to provide an input signal to a SmartFlow™ controller based on roller rotation. Select when an intermittent signal from the press is not available.



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