



SINGLE SIDED MINI WEB CLEANERS

SSm Product Range

ABOUT SDI

SDI is the largest independent manufacturer of contact cleaning systems in the world.

Founded in 1979, we offer highly engineered products dedicated to yield improvement in dust-critical production areas.

THE SDI PRINCIPLE

The SDI cleaning principle consists of three linked processes.



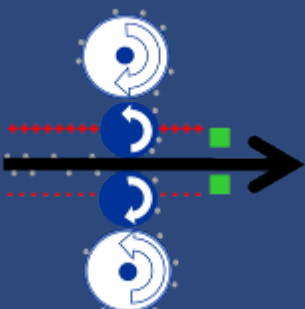
Specially formulated polymer rollers gently lift loose, dry contamination away from any flat surface.



The polymer rollers are in contact with an adhesive roll, onto which they transfer the lifted contamination. When saturated, the outer layer is simply peeled away.



Anti-static systems then prevent re-attraction of airborne particles to the cleaned substrate.



Features

- ◇ Single-sided contact cleaners
- ◇ Retrofit or OEM install to any narrow web line
- ◇ 1.5" diameter Polymer Cleaning Roller is perfectly concentric, reducing vibration and wear
- ◇ 1.5" core Adhesive Rolls trap contamination safely for analysis and disposal
- ◇ Front access to Adhesive Rolls
- ◇ Pneumatic control of Adhesive Roll (rather than being gravity fed) allows perfect pressure to be set
- ◇ The **SSm** Range can use narrower Adhesive Rolls if required, saving consumable costs

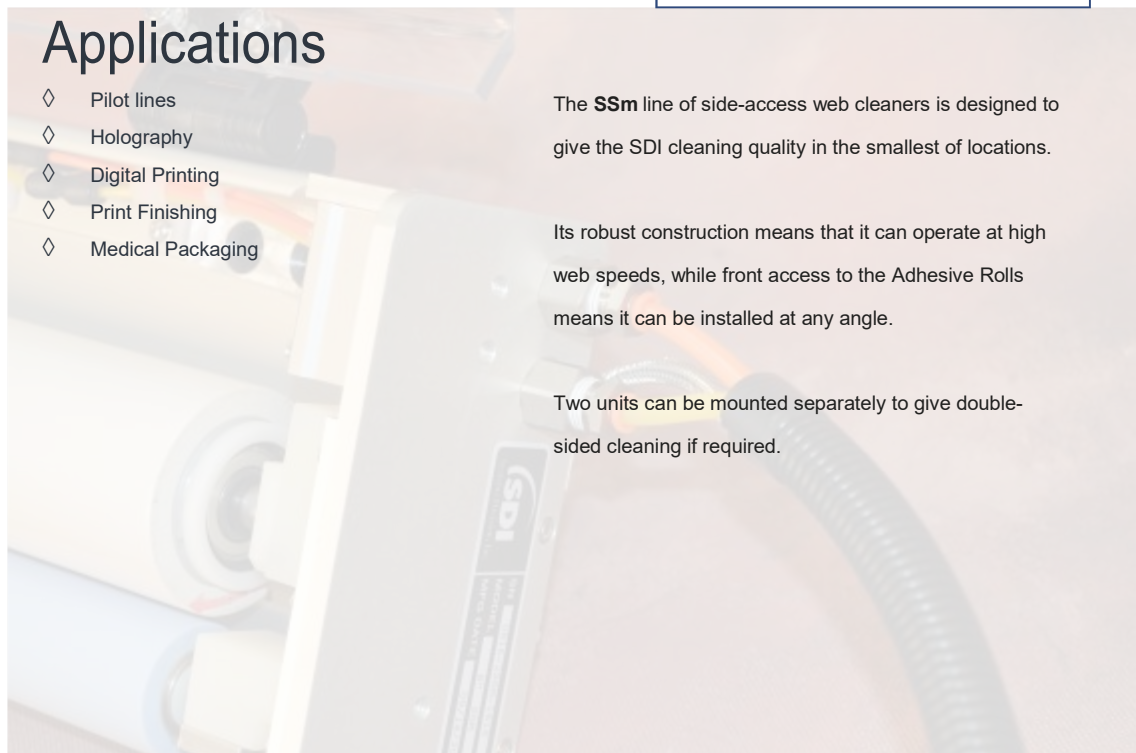
Applications

- ◇ Pilot lines
- ◇ Holography
- ◇ Digital Printing
- ◇ Print Finishing
- ◇ Medical Packaging

The **SSm** line of side-access web cleaners is designed to give the SDI cleaning quality in the smallest of locations.

Its robust construction means that it can operate at high web speeds, while front access to the Adhesive Rolls means it can be installed at any angle.

Two units can be mounted separately to give double-sided cleaning if required.





SDI AMERICAS
 21 Morgan
 Irvine, CA 92618
 United States of America
 T: +1 949 583 1001
 E: sdi@sdinetwork.com

SDI EUROPE
 Weidehek 26
 4824 AS Breda
 Netherlands
 T :+44 7947 403500 (UK)
 E: sdi@sdinetwork.com

SDI ASIA
 No. 10, Alley 70, Lane 294,
 Sec. 4, Cheng Gong Rd, Taipei
 Taiwan
 T: +886 2 2793 7051
 E: sdi@sdinetwork.com

Machine Options

- ◇ **Anti-Static**
 - ◇ 7kV Anti-Static bar at exit
- ◇ **NEMA Control Box**
 - ◇ The Control Box is recommended for retro-fit installations, as it contains all necessary transformers and regulators.
- ◇ **Installation / Orientation**
 - ◇ The **SSm** Range can be specified to operate in either direction. The power/pneumatic connections can exit from multiple points.



Specifications

- ◇ **Cleaning Widths**
 - ◇ 8"
 - ◇ 10"
 - ◇ 12"
 - ◇ 14"
 - ◇ 16"
 - ◇ 18"
 - ◇ 20"
- ◇ **Maximum Web Speed**
 - ◇ 300 feet per minute
- ◇ **Services Required**
 - ◇ 110V or 220V AC
 - ◇ 5 bar clean dry air

POLYMER ROLLERS

SDI offer a range of polymer formulations to balance the best cleaning performance against the ease of processing a particular substrate.

- ◇ **Light Blue** - silicone-based polymer suitable for most applications, cleaning particles down to 1µ in size.
- ◇ **Green** - silicone-based polymer suitable for delicate substrates, cleaning particles down to 1µ in size.
- ◇ **Yellow** - silicone-free polymer suitable for most applications, cleaning particles smaller than 1µ in size.
- ◇ **Orange** - silicone-free polymer suitable for delicate substrates, cleaning particles smaller than 1µ in size.

IMPORTANT

Material thickness is only a guide to how well a substrate can be processed.

It is *rigidity* rather than thickness that determines a substrate's ability to be cleaned by our systems.

If in doubt, please send samples to our laboratory for testing at the SDI AMERICAS address.

Dimensions

The **SSm** is available in a range of cleaning widths (CW).

A	CW/2 + 3.09"
B	CW + 6.67"
C	CW/2 + 2.84"
G	CW - 1.06"
H	CW/2 - 0.72"
J	CW/2 - 1.35"

