



WIDE FORMAT SHEET CLEANERS

HDF6

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.



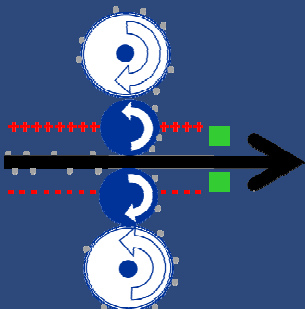
Specially formulated polymer rollers gently lift loose, dry contamination away from any flat surface.



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

- ◇ Double-sided cleaning without scratching or abrasion using 63.5mm diameter polymer rollers
- ◇ 6" core Adhesive Rolls doubles the time between purges
- ◇ Operator –adjustable “pre-gap” allows material thickness up to 1".
- ◇ Front access to Adhesive Rolls
- ◇ Auto-reverse can sense trailing edge and return substrate to operator.
- ◇ Anti-static bars prevent re-attraction of airborne particles
- ◇ Pneumatic control of Adhesive Roll (rather than being gravity fed) allows perfect cleaning pressure to be set
- ◇ Sophisticated PLC allows precise adjustment of machine features or interface allows easy operation of features, and audible and visual warnings to strip Adhesive Rolls
- ◇ The **HDF6** Range can use narrower Adhesive Rolls if required, saving consumable costs
- ◇ Height –adjustable stand

Applications

- ◇ Glass
- ◇ Furniture/Wood
- ◇ Flat Panel Displays
- ◇ Graphic Arts
- ◇ Other wide format processes where dust control is critical

The **HDF6** Range is designed to offer the SDI cleaning power to customers running wide format substrates. This powerful machine can work 24 hours per day in the most demanding of environments. It has been designed to give maximum cleaning performance with minimum downtime for Adhesive Roll purging - perfect for highly contaminated substrates..



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Machine Options

- ◇ **Machine Width**
 - ◇ The **HDF6** is available in a variety of custom widths, starting at 36" and up to 60".
- ◇ **Conveyors**
 - ◇ 12" driven wheel conveyors can be added to facilitate entry and exit of large substrates.



Specifications

- ◇ **Substrate Dimensions**
 - ◇ Thickness: ~4mil - 1.0"
 - ◇ Length: ~4" minimum
 - ◇ Width: 60" maximum
- ◇ **Maximum Speed**
 - ◇ Standard: 30fpm
 - ◇ Fast: 100fpm
- ◇ **Pass Height (with stand)**
 - ◇ 38" +/- 3"
- ◇ **Services Required**
 - ◇ Power: 110V or 220V AC
 - ◇ Air: 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

A	12"
B	Cleaning Width + 17"
C	Cleaning Width + 11"
D	38" +/- 3"
E	25"
F	52" +/- 3"
G	23"

