



WIDE FORMAT SHEET CLEANERS

WCD6 Range

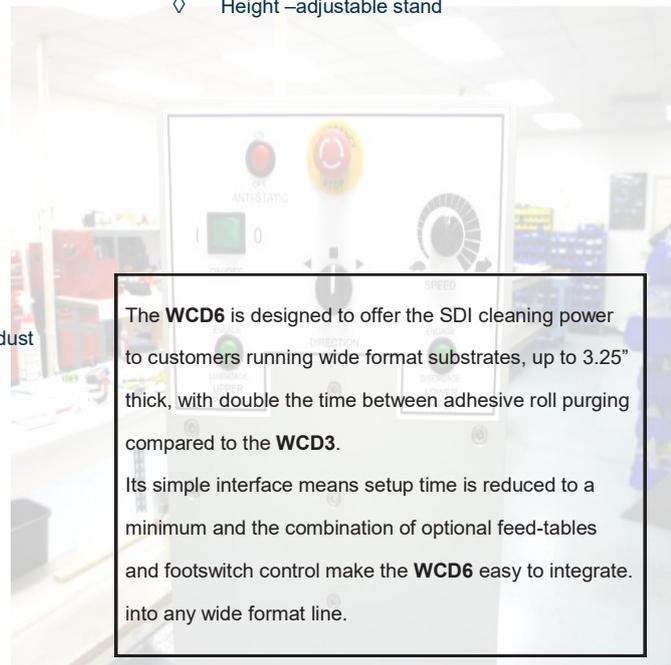


Features

- ◇ Double-sided cleaning without scratching or abrasion using two driven 89mm diameter polymer rollers
- ◇ 152mm core, pre-sheated adhesive rolls trap and store contamination
- ◇ Optional anti-static bars prevent re-attraction of airborne particles
- ◇ Operator –adjustable “pre-gap” allows material thickness up to 83mm.
- ◇ Machine operates in either direction
- ◇ Front access to Adhesive Rolls
- ◇ Pneumatic control of Adhesive Roll (rather than being gravity fed) allows perfect cleaning pressure to be set
- ◇ The **WCD6** can use narrower Adhesive Rolls if required, saving consumable costs
- ◇ Height –adjustable stand

Applications

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



The **WCD6** is designed to offer the SDI cleaning power to customers running wide format substrates, up to 3.25” thick, with double the time between adhesive roll purging compared to the **WCD3**.

Its simple interface means setup time is reduced to a minimum and the combination of optional feed-tables and footswitch control make the **WCD6** easy to integrate. into any wide format line.

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.



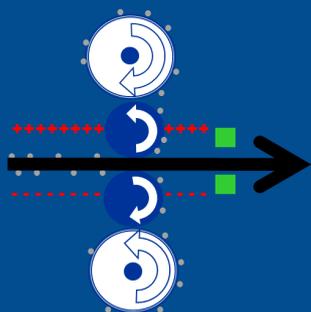
Specially formulated polymer rollers gently lift loose, dry contamination away from any flat surface.



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.





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Machine Options

- ◇ **Machine Width**
 - ◇ The WCD6 is available in a variety of custom widths, starting at 1016mm and up to 2032mm
- ◇ **Footswitch**
 - ◇ Optional footswitch control for remote operation.
- ◇ **Anti-Static**
 - ◇ Powerful anti-static bars can be added to prevent re-attraction of airborne particles
- ◇ **Feed Tables**
 - ◇ Modular feed tables can be supplied on either entry or exit to facilitate large substrates.



With optional feed table

Specifications

- ◇ **Substrate Dimensions**
 - ◇ Thickness: ~100µ - 83.0mm
 - ◇ Length: ~100mm minimum
 - ◇ Width: 2032mm maximum
- ◇ **Maximum Speed**
 - ◇ Standard: 25m/min
- ◇ **Pass Height (with stand)**
 - ◇ Range: 927—1003mm
- ◇ **Services Required**
 - ◇ Power: 110V or 220V AC
 - ◇ Air: 5 bar clean dry air



Pre-gap for thick substrates

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.
- ◇ **Custom**—silicone-based and silicone-free polymers can be created for unusual substrates.

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.

