



# FILM, SHEET & PANEL CLEANERS

## 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.

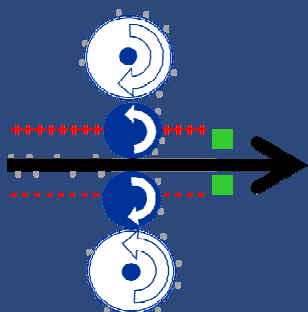


Specially formulated polymer rollers gently lift loose, dry contamination away from any flat surface.



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.



## EC2



## Features

- ◇ Double-sided cleaning without scratching or abrasion
- ◇ 4 x anti-static bars prevent re-attraction of airborne particles
- ◇ 20" banded conveyors for safe transport of substrate.
- ◇ Auto-reverse mode feeds and returns the substrate to the operator (**Deluxe** model)
- ◇ The **EC2** Range can use narrower Adhesive Rolls if required, saving consumable costs
- ◇ Stainless steel construction
- ◇ Height-adjustable stand
- ◇ Electrical operation only, no pneumatics required.

## Applications

- ◇ Graphic Arts
  - ◇ Screenprinting
  - ◇ Digital printing
- ◇ Glass
  - ◇ Laminating
  - ◇ Coating
- ◇ Technical Ceramics
- ◇ Photoplotting
- ◇ Flat panel displays (FPD)
- ◇ Photovoltaic cells

The **EC2 Range** is the answer to every dust-critical process that requires SDI cleaning with fastest return on investment.

The **EC2** has been designed from the ground-up to include only the features essential to the process: -

- Double-sided dust removal
- Static elimination
- Well engineered transport

While the **EC2** itself offers all the basic requirement, the **EC2 Deluxe** offers further sophistication using the latest electronic control.

The **EC2** range is simple to specify and order. Only three questions define the machine

- **Standard** or **Deluxe** model
- Cleaning Width required
- Polymer Roller formulation



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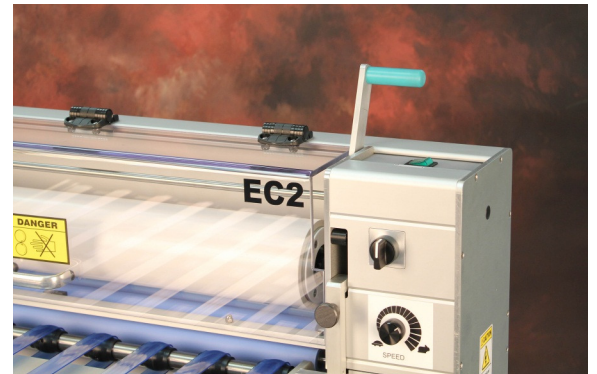
## Machine Options

- ◇ **Machine Width**
  - ◇ The **EC2** is available in 12", 24" and 40" cleaning widths.
- ◇ **Auto-Reverse (Deluxe Model)**
  - ◇ The **EC2-Deluxe** uses sensors to detect when a substrate has passed through the machine, and then reverses direction to bring it back to the operator.



## Specifications

- ◇ **Substrate Dimensions**
  - ◇ Thickness: ~4mil - 1/4"
  - ◇ Length: ~4" minimum
  - ◇ Width (**EC2-12**): 12" maximum
  - ◇ Width (**EC2-24**): 24" maximum
  - ◇ Width (**EC2-40**): 40" maximum
- ◇ **Maximum Speed**
  - ◇ Standard 30fpm
- ◇ **Pass Height (with stand)**
  - ◇ 34.5-40.0"
- ◇ **Services Required**
  - ◇ Power 110V or 220V AC



### 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	32.6" ( <b>EC2-12</b> ) 44.6" ( <b>EC2-24</b> ) 60.6" ( <b>EC2-40</b> )
B	16.5"
C	6.86"
D	34.5" - 40.0"
E	20"
F	47.8"
G	26.0"

