



FILM, SHEET & PANEL CLEANERS

EC2 Range



Features

- ◇ Double-sided cleaning without scratching or abrasion
- ◇ 4 x anti-static bars prevent re-attraction of airborne particles
- ◇ 508mm 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

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.



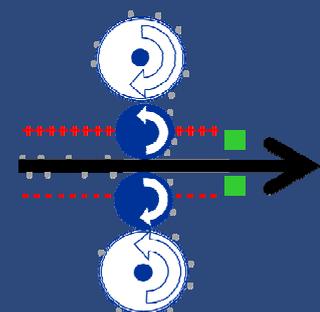
Specially formulated polymer rollers gently lift loose, dry contamination away from any flat surface.



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.





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

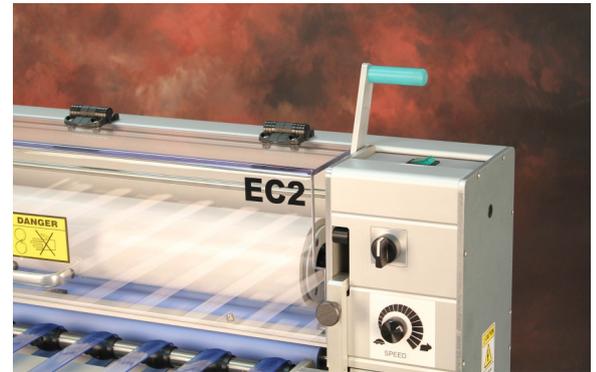
Machine Options

- ◇ **Machine Width**
 - ◇ The **EC2** is available in 305mm, 622mm and 1016mm 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: ~100µ - 6.35mm
 - ◇ Length: ~100mm minimum
 - ◇ Width (**EC2-12**): 305mm maximum
 - ◇ Width (**EC2-24**): 622mm maximum
 - ◇ Width (**EC2-40**): 1016mm maximum
- ◇ **Maximum Speed**
 - ◇ Standard 18m/min
- ◇ **Pass Height (with stand)**
 - ◇ 883—1016mm
- ◇ **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	830mm (EC2-12) 1133mm (EC2-24) 1539mm (EC2-40)
B	419mm
C	174.2mm
D	883-1016mm
E	508mm
F	1214mm
G	660mm

