



# ADHESIVE ROLLS

## Adhesive Rolls for Contact 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.

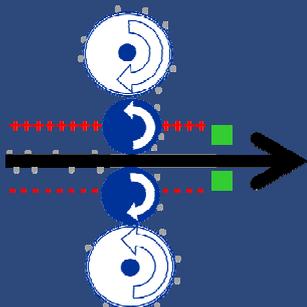


Specially formulated polymer rollers gently lift loose, dry contamination away from any flat surface.



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.



## Features

- ◇ Silicone-based or silicone-free formulations
- ◇ Continuous or Pre-Sheeted Rolls
- ◇ Range of tack levels and core sizes
- ◇ Rigid cores for stability at high speed and straightness across full width for perfect contact.
- ◇ Rolls for competitor machines

## Applications

- ◇ Printed Circuit Boards
- ◇ Graphic Arts
- ◇ Glass Manufacture
- ◇ Converting
- ◇ Reel-to-Reel Printing
- ◇ Wood / Laminate Manufacture
- ◇ Any application where the removal of loose, dry contamination is essential

SDI makes Adhesive Rolls for any model of contact cleaner.

As the world's largest independent manufacturer of contact cleaning machines and their associated consumables, SDI is ideally placed to advise on the sizes, types and formulations of Adhesive Rolls to give the maximum yield improvement for your dust-critical process.

State-of-the-art conversion facilities mean that SDI can supply odd-size rolls without premium pricing.

We also supply our Adhesive Rolls *pre-sheeted*—using an advanced technique that ensures 10% more sheets per roll than our competitors.





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## Variations

### Continuous or Pre-Sheeted?

Traditionally, Adhesive Rolls were supplied in continuous form, requiring the machine operator to cut the used portion away with a sharp blade. Though these rolls are inexpensive, there is the likelihood that the operator will remove more than is necessary, and use of a blade near to the critical polymer rollers can prove to be expensive should the operator be careless.

SDI offer pre-sheeted rolls using an advanced converting method that gives 10% more sheets per roll than our competitors. Rather than each sheet being the same length (and thus progressively wasting more and more of the roll as its circumference diminishes through use), SDI sheets are each slightly shorter than the last, giving the maximum use from the roll.

### Silicone or Silicone Free?

The majority of adhesive rolls are paper-based with a silicone release liner. These rolls are available in Standard Tack and High Tack, and must only be used with silicone-based polymer rollers.

Silicone-free rolls are available for applications where all silicone products are banned from the work environment. These are plastic-based rolls with no release liner, and are available in Standard Tack only. These must be used with silicone-free polymer rollers.

### Standard Tack or High Tack?

Paper based rolls (with silicone release liner) can have extra adhesive to give a higher contamination reservoir.

High Tack rolls are recommended for the SMT and Narrow Web (flexo printing) industry.

## Specifications

### Continuous Rolls

- ◇ 1.5" core 33ft length
- ◇ 3.0" core 66ft length
- ◇ 6.0" core 132ft length

### Pre-Sheeted Rolls

- ◇ 1.5" core 33 sheets
- ◇ 3.0" core 66 sheets
- ◇ 6.0" core 132 sheets

### Standard Widths

- ◇ 10"
- ◇ 12"
- ◇ 13.6"
- ◇ 16"
- ◇ 17"
- ◇ 18"
- ◇ 20.5"
- ◇ 24"
- ◇ 24.5"
- ◇ 30"
- ◇ 39.4"
- ◇ 59.5" (maximum)

### Custom Widths

- ◇ We are able to cut rolls down to the millimeter, usually with no price premium if a call-off order can be placed, so SDI is your ideal partner if you use odd sizes.
- ◇ For machines larger than 59.5" use two or more rolls butted together.

### HOW LONG DO THEY LAST?

This is the most common question asked in regard to Adhesive Rolls.

There is, unfortunately, no simple answer — rolls used in a clean room, where dust is already at a minimum will last much longer than those used in a wooden furniture producing factory.

What we can say is that our rolls are engineered for maximum performance, and we appreciate that, especially as a new customer, you may not know exactly what your usage might be. However, we have had many years of experience in many different industries, and will be able to guide you in this.

### FREIGHT

While Adhesive Rolls are an inexpensive consumable, they can be heavy, and the freight element of any quotation is extremely important.

SDI always recommend scheduled orders over "one-off" deliveries, as freight can be booked in advance at minimal cost.

### COMPETITOR MACHINES

SDI can make adhesive rolls for competitors' machines.

Typically we need to know only the width, core size and whether the rolls need to be silicone-free.

Monthly or annual quantities (if known) will enable us to offer the very best pricing.

