

Teknek DCR Pad & Rollers

Teknek, the inventors and world leaders in yield improvement technology; have developed a range of Dust Collection Rollers (DCR) and accompanying adhesive pads, which are unrivalled in today's marketplace.

The DCR System is used in any industry to remove dust in a production process and increasing yield and quality.

The many applications include:-

- ❖ PCB Manufacture
- ❖ Surface Mount Assembly
- ❖ Narrow Web Converting
- ❖ Wide Web Converting
- ❖ Food Packaging
- ❖ LCD
- ❖ Screenprinting
- ❖ Credit Card Manufacture
- ❖ Glass Manufacture
- ❖ And many more...

All of our customers, no matter the industry have one thing in common... the need for yield improvement and the reduction of costly scrap material.

Our dust collection system can be split into two distinct groups, the Hand Rollers and the Adhesive Pads.

The DCR Rollers

For many years Teknek have developed a range of Elastomer Rollers. The rollers can be supplied in a range of lengths from 30mm (1.2") to 610mm (24") and a range of Elastomer compounds (depending on the application).



Standard DCR 4, 6 & 12

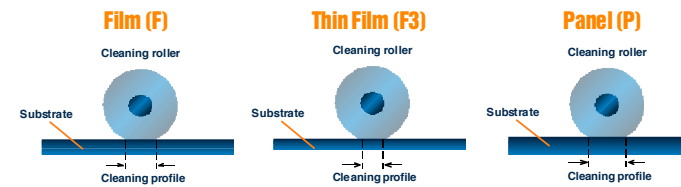
DCR Series



Standard DCR Roller Sizes

Inches	Millimeters
4"	102mm
6"	152mm
12"	305mm

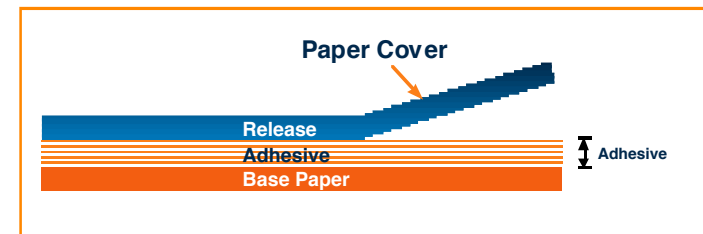
The three main types of Elastomer Compound are:



The softer the roller the more contact it will have with the material being cleaned, the harder the roller the less contact the roller will have with the material being cleaned. If you are unsure of which roller type would suit your application, Teknek offer a 'Sample for Evaluation' program in which we will evaluate the material and recommend a roller type which will best suit your needs.

The DCR Adhesive Pads

The Teknek DCR Adhesive Pad range compliments our range of DCR Rollers. The adhesive paper is made up of the three following components:-



The Standard Teknek Pad Holder holds 12" adhesive pads and can be purchased with a 4", 6" or 12" DCR Roller. This holder can either be used on a desktop or can be wall mounted. The Teknek Handipak Holder holds either 6" and 12" adhesive pads and can be purchased with a 4", 6" or 12" DCR Rollers. The Handipak also has an option of a magnetic base for ease of storage on plant machinery.



Standard 12" Pad Holder



Standard 6" Handipak Holder
Also available 12"

NEW DCR PRODUCTS

In a drive to continually develop the DCR roller range, Teknek have introduced three new options to the product family.

Ergonomic Handle Design

The new ergonomic DCR handle is a radical re-design of our best selling hand held dust collection system. The new design is aimed at providing maximum comfort and control for users as well as a fresh and dynamic new look.

Operation is made easy by the oval shape of the handle, with a central resting point for the operator's thumb providing the perfect position to ensure the least amount of strain is put on the operator's hand, wrist and arm when in use.



Ergonomic Handle Design (DCRE)

ESD (Electro-Static Dissipative) Roller

Teknek has developed a unique elastomer compound which has the dual characteristics of electro-static dissipation and highly effective cleaning capability.

The high surface energy of contact cleaning rollers can sometimes generate large static electrical charges, up to and in excess of 30 kV. The unique Teknek ESD compound produces only a fraction of this static charge - reductions as large as 80% have been measured - and any charge created on the roller will dissipate immediately if earthed and within seconds if left to natural decay.

The ESD roller compound is available in the standard 4, 6 and 12 inch sizes and will fit into any Teknek DCR handle.



ESD Roller available in 4", 6" & 12"

DCR Mate

The 'DCR Mate' is the latest evolution in the Teknek DCR handroller range. This unique development combines the proven cleaning efficiency of Teknek's DCR handroller range and revolutionary Pre-sheated Adhesive Rolls. Available in 6 inch (15cm) and 12 inch (30cm) sizes, the DCR Mate is a manual cleaning system suitable for the most demanding clean room applications. Instead of using adhesive pads, the handroller is cleaned on a Pre-sheated Adhesive Roll mounted on the 'Mating' station. The adhesive roll is driven by a lever action support roller against which the handroller is pressed, as the lever roller is released a one way clutch mechanism rotates the adhesive roll. Once the outer sheet of the pre-cut adhesive roll is saturated with contamination it is simply peeled off to expose the next pre-cut sheet. No knives are required and no paper dust or contamination is created. The DCR Mate has a small footprint and can be mounted onto the framework of a host machine in either horizontal or vertical mode. A special elastomer rubber material applied to the base also prevents the DCR Mate station from moving when placed on a work surface.



DCR Mate