Contamination Control
Particle Trap® Roller

Particle Trap® Roller (PTR) efficiently lifts micron-size particulates off most materials or surfaces. The proprietary elastomer conforms to contaminants, grabbing-hold for optimal cleaning of the surface. Particles are then easily transferred to **Particle Trap® Cleaning Pad** where they become trapped in the adhesive, safely and permanently removed from your materials, process and cleanroom. Available in 6″ or 12″ width, the smooth roller surface is ideal for particles ranging from 0.1µm to 5mm.

PTR Particle Trap® Roller
(shown with PTR-PAD, sold separately)

Clean with Particle Trap® Confidence!

■ FEATURES & BENEFITS

- Ideal for cleaning flat work surfaces and materials used in cleanrooms, electronics, optics, automotive, graphic arts or anywhere particles impact quality and profits
- 12~24-month life (process dependent)
- Easily refresh roller tack with soapy water
- Cleanroom compatible
- Available in 6″/152mm or 12″/305mm Width
- Transfer particles from **PTR** directly onto the **Particle Trap® Cleaning Pad** (see PTR-PAD Data Sheet for details)

■ SPECIFICATIONS

- Clean particles from 0.1µm to 5mm
- Effective Roller Length: 6″/152mm or 12″/305mm width
- Weight: 6″=8.4oz /.24kg ; 12″=13.2oz/.37kg
- Dimensions:
  - 6″ = 7″W x 6-3/4″L / 178mm x 171mm
  - 12″ = 13″W x 6-3/4″L / 330mm x 171mm
  - Handle = 7/8″ x 1-9/16″ x 4-7/8″ / 22mm x 40mm x 124mm

Static Clean International Elastomer Roller Free-Chemistry Leach Test

The following results demonstrate Static Clean International's (SCI) Elastomer Cleaning Rollers contain no unbound free chemistry which can result in the transfer of silicones from the cleaning roller, as manufactured, to another surface in contact. SCI's elastomer roller materials are fully tested using developed methods, ensuring each material does not leach contaminating materials.

SCI has developed three methods for verifying their materials are leach-free, a material must pass all three to be certified leach-free:

—Visible transfer: A qualitive assessment of whether an elastomer sample has transferred material onto a clean substrate after 1 and 7 days.

—Vapor Development: A solvent vapor is used to 'develop' and identify any latent transfer onto a clean substrate.

—FTIR Method: Using infrared microscopy a fingerprint spectrum is taken and any contamination not identified by the first two tests can be identified.

Leach Tests Results

Substrate	Glass				Copper			
Test	Unweighted		Weighted		Unweighted		Weighted	
	24 hours	7 days	24 hours	7 days	24 hours	7 days	24 hours	7 days
Visible Transfer	Clean Slide	Clean Slide	Clean Slide	Clean Slide	Clean Slide	Clean Slide	Clean Slide	Clean Slide
Vapor Development	No Marking	No Marking	No Marking	No Marking	No Marking	No Marking	No Marking	No Marking
FTIR method	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Result	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

p: 781-229-7799 ı www.staticclean.com ı techsales@staticclean.com