

COVENTRY™

*Reliability and performance from
our cleanroom to yours.*



- Cleanroom Swabs
- Cleanroom Wipes
- High Purity Solvents
- Engineered Cleaners
- Swelling Agents
- Carrier Fluids

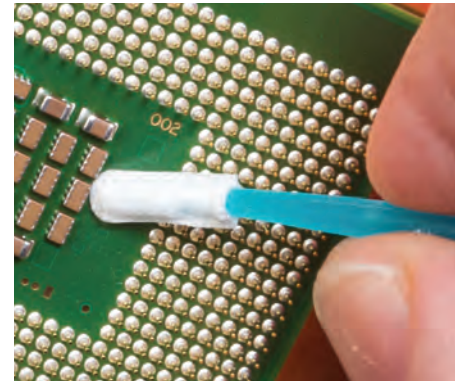


Cleanroom Swabs

Coventry™ High Precision ESD Static Control Swabs

Protects components from destructive static discharge

Engineered to eliminate damage from static electricity. The handles of these swabs will dissipate 99% of a 5,000 volt (5 KV) charge in less than 2.0 seconds. The static dissipative plastic alloy used to make the handles is inherently static dissipative. It contains no additives, coatings or surfactants so it functions at any level of humidity and it is very resistant to solvents — even acetone. Choose between our Class 10 (M3, ISO 4) laundered polyester or 100 pore-per-inch ultraclean polyurethane foam.



Coventry™ Sealed Polyester ESD Swabs

| Product | Pkg Count | Swab Length | Handle Width | Head Length | Head Width | Handle Material | Head Material |
|----------|-----------|-----------------|-----------------|------------------|----------------------------------|-----------------|---------------------|
| 36060ESD | 500 swabs | 5.8" 14.7 cm | 0.12" 3.1 mm | 0.75" 18.9 mm | 0.19" x 0.21" 4.7 mm x 5.4 mm | ESD | knit polyester |
| 31040ESD | 500 swabs | 2.8" 7.2 cm | 0.10" 2.7 mm | 0.44" 11.0 mm | 0.12" x 0.12" 3.1 mm x 3.1 mm | ESD | knit polyester |
| 38540ESD | 500 swabs | 2.7" 6.9 cm | 0.09" 2.2 mm | 0.47" 12.0 mm | 0.16" x 0.16" 4.0 mm x 4.0 mm | ESD | non-woven polyester |
| 36861CLR | 500 swabs | 6.5" 16.5 cm | 0.12" 3.0 mm | 0.67" 17.0 mm | 0.28" x 0.14" 7.0 mm x 3.5 mm | ESD | knit polyester |

Coventry™ Polyester Pillow-Tip™ ESD Swabs

| Product | Pkg Count | Swab Length | Handle Width | Head Length | Head Width | Handle Material | Head Material |
|----------|-----------|----------------|-----------------|------------------|----------------------------------|-----------------|----------------|
| 51121ESD | 25 swabs | 2.8" 7.1 cm | 0.10" 2.5 mm | 0.40" 10.2 mm | 0.25" x 0.23" 6.5 mm x 5.7 mm | ESD | knit polyester |

Cleanroom Swabs



Coventry™ Sealed Foam ESD Swabs

| Product | Pkg Count | Swab Length | Handle Width | Head Length | Head Width | Handle Material | Head Material |
|----------|-----------|------------------|-----------------|------------------|-----------------------------------|-----------------|-------------------|
| 49250ESD | 500 swabs | 5.75" 14.6 cm | 0.12" 3.0 mm | 1.06" 27.0 mm | 0.47" x 0.32" 12.0 mm x 8.0 mm | ESD | polyurethane foam |
| 41050ESD | 500 swabs | 2.8" 7.2 cm | 0.10" 2.6 mm | 0.40" 10.2 mm | 0.13" x 0.14" 3.3 mm x 3.5 mm | ESD | polyurethane foam |
| 48040ESD | 500 swabs | 2.7" 6.9 cm | 0.09" 2.2 mm | 0.43" 11.0 mm | 0.12" x 0.09" 3 mm x 2.2 mm | ESD | polyurethane foam |
| 44070ESD | 500 swabs | 3.2" 8.0 cm | 0.10" 2.4 mm | 0.39" 9.9 mm | 0.11" x 0.13" 2.7 mm x 3.3 mm | ESD | polyurethane foam |
| 44070SDC | 500 swabs | 3.2" 8.1 cm | 0.10" 2.4 mm | 0.39" 9.9 mm | 0.11" x 0.13" 2.7 mm x 3.3 mm | ESD | polyurethane foam |
| 49285CLR | 500 swabs | 6.5" 16.5 cm | 0.12" 3.0 mm | 0.67" 17.0 mm | 0.32" x 0.2" 8.0 mm x 5.0 mm | ESD | polyurethane foam |

Coventry™ Wrapped Foam ESD Swabs

| Product | Pkg Count | Swab Length | Handle Width | Head Length | Head Width | Handle Material | Head Material |
|----------|-----------|----------------|-----------------|------------------|----------------------------------|-----------------|-------------------|
| 21050ESD | 500 swabs | 2.8" 7.1 cm | 0.10" 2.5 mm | 1.08" 27.5 mm | 0.14" x 0.14" 3.7 mm x 3.7 mm | ESD | polyurethane foam |

Coventry™ 2702

Coventry™ Ionizer Tip Cleaner

Compact, convenient tool for cleaning tips on ionizing grid systems

Designed to make cleaning the tips of ionization equipment simple and safe. Maintains the efficiency of these critical ionizing devices. Self contained ampule contains pure IPA and water for quick thorough removal of contamination on ionization tips.

- Controls tip build-up
- Recommended and used by leading manufacturers of ionizing systems

2702 20 per bag



Cleanroom Swabs

Coventry™ Sealed Polyester Swabs

Exceptionally clean, tough and durable swabs

An exceptionally clean swab produced by Coventry's proprietary process of forming and welding the swab head without the use of adhesives. Featuring either knit or nonwoven fabric heads, these swabs are acid and solvent resistant. Sealed edges build in high strength with no loose fibers or particulates. Coventry sealed polyester swabs have the strongest seams available and will not split. They are ideal for tough scrubbing around raised shapes. Class 10 (M3, ISO 4) processing gives you low ionic, nonvolatile residue and particle contaminants.



| Product | Pkg Count | Swab Length | Handle Width | Head Length | Head Width | Handle Material | Head Material |
|---|-----------|-----------------|-------------------|------------------|----------------------------------|-------------------------------|-------------------------------|
| 36060 | 500 swabs | 5.8" 14.7 cm | 0.12" 3.1 mm | 0.75" 18.9 mm | 0.19" x 0.21" 4.7 mm x 5.4 mm | polypropylene | knit polyester |
| | | | | | | | |
| 360611 | 25 swabs | 5.8" 14.7 cm | 0.12" 3.1 mm 1 | 0.75" 8.9 mm | 0.19" x 0.21" 4.7 mm x 5.4 mm | polypropylene | knit polyester |
| | | | | | | | |
| | | | | | | | |
| <p><i>For extra cleanliness</i></p> | | | | | | | |
| 36850 | 500 swabs | 5.8" 14.7 cm | 0.12" 3.1 mm | 0.75" 18.9 mm | 0.19" x 0.21" 4.7 mm x 5.4 mm | polypropylene | knit poly/nylon microfiber |
| | | | | | | | |
| 34860* | 500 swabs | 2.8" 7.1 cm | 0.09" 2.3 mm | 0.47" 11.9 mm | 0.10" x 0.10" 2.6 mm x 2.6 mm | polypropylene | knit poly/nylon microfiber |
| | | | | | | | |
| <p><i>U.S. Patent number 6629329.</i></p> | | | | | | | |
| 38040 | 500 swabs | 2.7" 6.9 cm | 0.09" 2.3 mm | 0.44" 11.2 mm | 0.09" x 0.12" 2.4 mm x 3.0 mm | polypropylene flexible tip | knit polyester |
| | | | | | | | |
| 38140 | 500 swabs | 2.7" 6.9 cm | 0.09" 2.3 mm 1 | 0.48" 2.1 mm | 0.06" x 0.12" 1.6 mm x 3.0 mm | polypropylene flexible tip | knit polyester |
| | | | | | | | |
| 38540 | 500 swabs | 2.7" 6.9 cm | 0.09" 2.3 mm | 0.46" 11.7 mm | 0.04" x 0.12" 1.0 mm x 3.0 mm | polypropylene flexible tip | nonwoven polyester |
| | | | | | | | |

AQUA PRIME For Extra Cleanliness

When cleaned with the Aqua Prime process, Coventry Sealed Polyester Swabs minimize background contamination making them suitable for both critical cleaning and cleaning validation procedures. Aqua-Prime cleaning process can be added to any swab with special order.








Cleanroom Swabs

Coventry™ Sealed Foam Swabs

Economical versatile cleanroom swabs

The most cost-effective swabs for general-purpose applications. 100 ppi reticulated medical-grade polyurethane foam provides excellent particle entrapment. The open-cell structure gives the best solvent holding capacity of any style of swab. These swabs are free of adhesives or binders that could contaminate your process. Fiberless construction does not generate particles.



| Product | Pkg Count | Swab Length | Handle Width | Head Length | Head Width | Handle Material | Head Material |
|---|-----------|-----------------|-----------------|------------------|----------------------------------|-----------------|-------------------------------|
| 41050 | 500 swabs | 2.8" 7.2 cm | 0.10" 2.6 mm | 0.40" 10.2 mm | 0.13" x 0.14" 3.3 mm x 3.5 mm | polypropylene | polyurethane foam |
|  | | | | | | | |
| 41050I | 500 swabs | 2.8" 7.2 cm | 0.10" 2.6 mm | 0.40" 10.2 mm | 0.13" x 0.14" 3.3 mm x 3.5 mm | polypropylene | polyurethane foam |
|  | | | | | | | |
|  For extra cleanliness | | | | | | | |
| 43170 | 500 swabs | 6.0" 15.2 cm | 0.09" 2.2 mm | 0.80" 20.3 mm | 0.33" x 0.35" 8.4 mm x 8.8 mm | wood | polyurethane foam over cotton |
|  | | | | | | | |
| 44070 | 500 swabs | 3.2" 8.0 cm | 0.10" 2.4 mm | 0.39" 9.9 mm | 0.11" x 0.13" 2.7 mm x 3.3 mm | polypropylene | polyurethane foam |
|  | | | | | | | |
| 48040 | 500 swabs | 2.7" 6.8 cm | 0.09" 2.2 mm | 0.41" 10.5 mm | 0.10" x 0.12" 2.5 mm x 3.1 mm | polypropylene | polyurethane foam |
|  | | | | | | | |
| 49280 | 500 swabs | 6.5" 16.4 cm | 0.12" 3.1 mm | 0.68" 17.3 mm | 0.18" x 0.19" 4.7 mm x 4.7 mm | polypropylene | polyurethane foam |
|  | | | | | | | |



For Extra Cleanliness

When cleaned with the Aqua Prime process, Coventry Sealed Foam Swabs minimize background contamination making them suitable for both critical cleaning and cleaning validation procedures. Aqua-Prime cleaning process can be added to any swab with special order.

Cleanroom Swabs

Coventry™ Wrapped Foam Swabs

Durable wrapped foam swabs designed for precise applications

Our wrapped foam swabs provide good particle entrapment and work very well as adhesive, lubricant and solvent applicators. With the most durable head of any foam swabs, wrapped foam delivers superior abrasion resistance for removal of tough contaminants. Wicking action pulls solvent from surfaces. The small tips on some of the styles allow use in very tight tolerance areas, while the pointed ends work especially well as picks.



| Product | Pkg Count | Swab Length | Handle Width | Head Length | Head Width | Handle Material | Head Material |
|---------|-----------|----------------|-----------------|------------------|----------------------------------|-----------------|-------------------|
| 20050 | 500 swabs | 2.6" 6.7 cm | 0.09" 2.2 mm | 1.06" 27.0 mm | 0.12" x 0.12" 3.1 mm x 3.1 mm | wood | polyurethane foam |
| 20080 | 500 swabs | 2.6" 6.7 cm | 0.09" 2.2 mm | 0.89" 22.6 mm | 0.11" x 0.11" 2.8 mm x 2.8 mm | wood | polyurethane foam |
| 21050 | 500 swabs | 2.8" 7.1 cm | 0.10" 2.5 mm | 1.08" 27.5 mm | 0.14" x 0.14" 3.7 mm x 3.7 mm | nylon | polyurethane foam |

Coventry™ Wrapped Polyester Diamond™ Swabs

Seamless, edgeless wrapped polyester swab

The patented Diamond™ Swab has a wrapped tubular knit polyester construction which eliminates all seams and cut edges where most particles are generated. Eliminating hard seams also reduces the potential for scratching delicate surfaces. The wrapped design also creates superior absorbency by wicking action. U.S. Patent numbers 5214821 and 5346287 and foreign patents.



| Product | Pkg Count | Swab Length | Handle Width | Head Length | Head Width | Handle Material | Head Material |
|---------|-----------|----------------|-----------------|------------------|----------------------------------|--------------------|------------------------|
| 51353 | 100 swabs | 2.8" 7.1 cm | 0.10" 2.6 mm | 0.78" 19.8 mm | 0.16" x 0.16" 4.1 mm x 4.1 mm | glass filled nylon | tubular knit polyester |

Coventry™ Polyester Pillow-Tip™ Swabs

Cleanroom washed fabric formed into a unique solvent-retaining swab

Engineered for unique applications requiring a combination of high solvent retention with the cleanliness of Class 10 (M3, ISO 4) processed polyester. Seamless design is lint free. High-strength, adhesive-free swab, durable head construction. Pillow-Tip swabs offer cotton bud characteristics without the fibers, lint and contamination of cotton. Glass filled nylon handles are rigid like wooden handles but are cleanroom grade.



| Product | Pkg Count | Swab Length | Handle Width | Head Length | Head Width | Handle Material | Head Material |
|---------|-----------|-----------------|-----------------|------------------|----------------------------------|--------------------|----------------|
| 51121 | 25 swabs | 2.8" 7.1 cm | 0.10" 2.5 mm | 0.40" 10.2 mm | 0.25" x 0.23" 6.5 mm x 5.7 mm | glass filled nylon | knit polyester |
| 52121 | 25 swabs | 6.3" 15.9 cm | 0.12" 3.1 mm | 0.40" 10.2 mm | 0.26" x 0.24" 6.5 mm x 6.0 mm | glass filled nylon | knit polyester |

Cleanroom Swab Selection Guide

| | Wrapped Polyester Swab | Microfiber Swabs | Sealed Polyester Swabs | ESD Polyester Swabs | Sealed Foam Swabs | ESD Foam Swabs | Wrapped Foam Swabs | Comments, Selected Product Recommendation and Examples 209E / ISO |
|---------------------------------|------------------------|------------------|------------------------|---------------------|-------------------|----------------|--------------------|---|
| CLASSIFICATION FED209D | | | | | | | | |
| Class 1-10 | ● | ◎ | ◎ | ◎ | ○ | ○ | ○ | M1-M3/ISO 3-4 |
| Class 10-100 | ● | ● | ● | ● | ◎ | ◎ | ◎ | M3-M4/ISO 4-5 |
| Class 100-10,000 | ◎ | ● | ● | ● | ● | ● | ● | M4-M6/ISO 5-7 |
| Controlled Environment | ○ | ◎ | ◎ | ◎ | ● | ● | ● | |
| INDUSTRIES | | | | | | | | |
| Optics | ● | ● | ● | ◎ | ◎ | ◎ | ◎ | 38040, 38540 |
| Aerospace | ● | ● | ● | ● | ◎ | ◎ | ◎ | 36060 |
| Disk Drive | ● | ● | ● | ● | ● | ● | ● | 38040, 41050, 48040, 44070ESD |
| Fiber Optics | ◎ | ● | ● | ● | ● | ● | ● | 25123, 25183, 48040, 38140, 38540 |
| Life Sciences | ● | ● | ● | ◎ | ◎ | ◎ | ◎ | 36060, 36061I, 36850, 52121 |
| Medical Devices | ● | ● | ● | ● | ● | ● | ● | 41050, 48040, 44070, 44070ESD |
| Semiconductors | ● | ● | ● | ◎ | ◎ | ◎ | ◎ | 51353I |
| USES | | | | | | | | |
| Tight Crevices | ◎ | ● | ● | ● | ◎ | ◎ | ◎ | 34860, 44070 |
| Particle Removal | ● | ● | ● | ● | ● | ● | ● | 41050, 48040, 38040 |
| Microscopic Work | ◎ | ● | ● | ● | ● | ● | ◎ | 34860, 44070 |
| Cleaning Validation | ● | ● | ● | ◎ | ○ | ○ | ○ | 36060, 36061I, 36850, 51121, 52121 |
| Applying Adhesives | ◎ | ● | ● | ◎ | ◎ | ◎ | ● | 51353, 21050, 20050, 20080 |
| Applying Lubricants | ● | ● | ● | ◎ | ◎ | ● | ● | 51353, 21050, 20050, 20080 |
| Cleaning Static Sensitive Parts | ○ | ○ | ○ | ○ | ○ | ● | ○ | 36060ESD, 31040ESD |
| PROPERTIES | | | | | | | | |
| Low NVR | ● | ● | ● | ● | ◎ | ◎ | ◎ | 51353, 38040, 31040ESD, 36060 |
| Non-Abrasive | ● | ● | ◎ | ○ | ◎ | ◎ | ● | 52121, 51121, 51353 |
| Acid Resistance | ● | ● | ● | ● | ◎ | ◎ | ◎ | All |
| Alkali Resistance | ◎ | ● | ◎ | ◎ | ◎ | ◎ | ◎ | 36850, 34860 |
| Solvent Resistance | ● | ● | ● | ● | ◎ | ◎ | ◎ | All |
| Low Ionic Contaminants | ● | ● | ● | ● | ◎ | ◎ | ◎ | All |
| Snag and Abrasion Resistance | ○ | ● | ● | ● | ◎ | ◎ | ○ | 36850, 34860, 38040, 31040ESD |

○ = Possible Performance but Not Recommended ◎ = Good Performance ● = Excellent Performance, Recommended Application

COVENTRY™

Hi-Purity Alcohol Wipes for Critical Cleaning Applications



Coventry™ Hi-Purity Alcohol Wipes are saturated semiconductor grade isopropyl alcohol (IPA) filtered through 0.05 µm media, either 100% or with 30% water deionized to at least 18 MΩ and filtered through 0.2 microns filter. The superior purity make these wipes effective and safe in the most critical applications, without leaving residues that are conducive to microbial growth or dendritic growth in electronics.

Coventry™ Hi-Purity Alcohol Wipes are all non-sterile.

Coventry™ Hi-Purity Alcohol Wipes offer these great benefits:

- Wipes have excellent solvent and acid resistance
- Ultra-low acidity, ionics, trace metallics, non-volatile residues (NVR) and particulates
- Increases safety by eliminating squirt bottles and spills
- Improves efficiency with consistent saturation
- Cleanroom double-bagged with resealable inner-bag to avoid solvent loss

Recommended for:

- General cleanroom cleaning
- Cleaning critical metallic and non-metallic surfaces
- Aerospace production areas
- Medical device assembly

Coventry™ 6911IPA

Hi-Purity Alcohol Wipes – Polypropylene

Semicon Grade IPA Wipes for Delicate Surface

- Economical for general purpose use
- Excellent softness and ultra-low abrasiveness is ideal for delicate surfaces
- Low linting, melt-blown polypropylene material
- Cleanroom processed and packaged
- Peel and reseal inner bag

6911IPA 9" x 11" (22.9cm x 29.9cm) folded polypropylene wipes, 70% semi-con grade IPA / 30% DI water (18 MΩ), 30 wipes/bag

Coventry™ 6799IPA

Hi-Purity Alcohol Wipes - Econowipes™

Semicon Grade IPA Wipes for Lab and Workstation Cleaning

- Economical for general purpose use
- Non-woven 55% cellulose / 45% polyester for greater saturation, low linting and high strength
- Low abrasiveness
- Cleanroom processed and packaged
- Peel and reseal inner bag

6799IPA 9" x 9" (22.9cm x 22.9cm) folded wipes, 70% semi-con grade IPA / 30% DI water (18 MΩ), 100 wipes/bag

Coventry™ 6259LEIPA / 6259LE7030

Hi-Purity Alcohol Wipes – Polyester

Semicon Grade IPA Wipes for Critical Cleaning

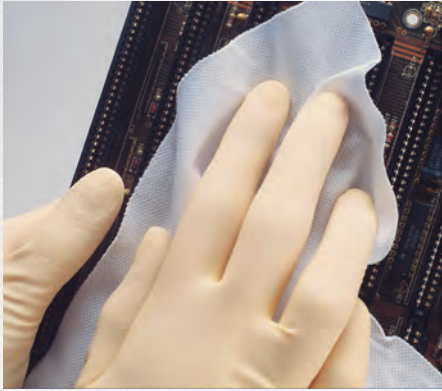
- Laser sealed edge and monofilament "no-run" polyester prevent loose fibers
- Durability for cleaning abrasive and irregular surfaces
- Class 10 (M3, ISO 4) cleanroom processed and packaged
- Ideal for cleaning semiconductor wafer fabs and other critical applications
- Inner bag reseals with slider

6259LEIPA 9" x 9" (22.9cm x 22.9cm) polyester wipe, 100% semi-con grade IPA, 50 wipes/bag

6259LE7030 9" x 9" (22.9cm x 22.9cm) polyester wipe, 70% semi-con grade IPA / 30% DI water (18 MΩ), 50 wipes/bag



Cleanroom Wipes



Coventry™ Cleanroom Laundered Wipes

Coventry™ cleanroom laundered wipes offer an extra level of protection for critical applications

Our Poly-Wipes are made from 100% continuous filament polyester — the standard in cleanroom wipes — minimizing particle generation. The Cleanroom Chamois™ is the only wipe made from a 50/50 nylon/cellulose microfiber blend, providing superior toughness and particle entrapment. The microfibers in the Cleanroom Chamois™ have a unique wedge shape, which lifts all types of contaminants from the surface more effectively than conventional round fibers. Poly-Wipes and Cleanroom Chamois™ are both laundered in our Class 10 (ISO Class 4) cleanroom and are available with our exclusive laser-edge (LE) or heat cut (HC) sealing process.

| Product Name | Part Number | Material | Quantity | Size |
|-----------------------------------|-------------|---|----------|------------------------------|
| Poly-Wipes | 6209 | Light-weight polyester (high absorbency) | 150 | 9" x 9" 22.9 cm x 22.9 cm |
| Poly-Wipes | 6259 | Heavy-weight polyester (high absorbency) | 150 | 9" x 9" 22.9 cm x 22.9 cm |
| Sealed Edge Poly-Wipes | 6259HC | Heavy-weight polyester (high absorbency) | 150 | 9" x 9" 22.9 cm x 22.9 cm |
| Sealed Edge Poly-Wipes | 6209HC | Light-weight polyester (high absorbency) | 150 | 9" x 9" 22.9 cm x 22.9 cm |
| Sealed Edge Poly-Wipes | 62096HC | Light-weight polyester (high absorbency) | 150 | 6" x 9" 15.2 cm x 22.9 cm |
| Sealed Edge Cleanroom Chamois™ | 7348LE | Microfiber (high absorbency) | 50 | 8" x 8" 20 cm x 20 cm |

Coventry™ Non-Woven Wipes

Coventry™ Econowipes™ are made from a hydro-entangled, 45/55 cellulose/polyester blend, for optimum purity in a nonwoven wipe. Econowipes™ are available in three convenient sizes.

| Product Name | Part Number | Material | Quantity | Size |
|--------------|-------------|---|----------|--------------------------------|
| Econowipes™ | 6704 | Polyester/cellulose blend, nonwoven | 1200 | 4" x 4" 10.2 cm x 10.2 cm |
| Econowipes™ | 6704F | Polyester/cellulose blend, nonwoven | 100 | 4" x 4" 10.2 cm x 10.2 cm |
| Econowipes™ | 6709 | Polyester/cellulose blend, nonwoven | 300 | 9" x 9" 22.9 cm x 22.9 cm |
| Econowipes™ | 6713 | Textured polyester/ cellulose blend, nonwoven, quarter-folded | 50 | 12" x 13" 30.5 cm x 33.0 cm |

COVENTRY™

High Purity Solvents, Engineered Cleaners, Swelling Agents and Carrier Fluids

Coventry™, a brand of ITW Chemtronics®, is known globally for solving the most critical precision cleaning challenges. Coventry solvent cleaners, swelling agents and carrier fluids are formulated and manufactured to exacting specification to provide unparalleled performance.

We have off-the-shelf products and can even engineer customized solutions to meet your specific needs...

- Low toxicity for worker and patient safety
- HAPS-free, zero VOC, zero ozone depleting and low global warming for little or no environmental impact
- Versatile for operational simplicity and efficiency
- Fast dry and highly effective
- Compatible with all substrates – plastics, metals and elastomers
- Consistent for reliability and quality



Coventry™ 12851

Precision Vapor Cleaning Solvent

Powerful, nonflammable solvent for vapor degreasing, ultrasonic and immersion cleaning

- Powerful cleaning agent to machining fluids and oils, dirt, grease, dust and other contaminants
- Nonflammable
- Penetrates to clean hard to reach areas
- Evaporates quickly and leaves no residues, minimizes process time
- Noncorrosive, safe for sensitive metals

12851 1 gal. / 3.8 L liquid

12851-5 5 gal. / 19 L liquid

Coventry™ 12803 Heptane

Precision Swelling and Cleaning Solvent

High-purity solvent to swell silicone and urethane elastomers and tubing

- Exceeds reagent grade purity
- Swelling of platinum and peroxide cured silicone
- Deposition of silicone lubricants
- Cleaning solvent for critical cleaning applications
- Removes greases and waxes from hard impervious surfaces
- Low surface tension
- Evaporates quickly and leaves no residues, minimizes process time
- No ozone depleting chemicals

12803 1 gal. / 3.8 L liquid

Coventry™ 12857

Nonflammable Swelling Solvent and Cleaner

Powerful, nonflammable and low-VOC swelling agent

- Swelling of platinum and peroxide cured silicone, urethane
- Safe and noncorrosive on sensitive plastics, titanium, PEEK and stainless materials
- Powerful cleaning agent to remove oils, dirt, grease, dust, and other contaminants
- Nonflammable
- Penetrates to clean hard to reach areas
- Evaporates quickly and leaves no residues, minimizes process time

12857 1 gal. / 3.8 L liquid

Coventry™ 12866

Cutting Fluid and Biocide Remover

For removing cutting fluids, machine oil and biocide from surgical devices

- Ideal for removing oils, dust, and other manufacturing contaminants found on medical devices
- Removes residual biocides from polymeric surfaces
- Safe for use on titanium, stainless steel, composite materials
- Penetrates to clean hard to reach areas
- Evaporates quickly and leaves no residues, minimizes process time
- Noncorrosive, safe for sensitive metals

12866 1 gal. / 3.8 L liquid



*Let us engineer
a solution for you.*

Coventry™ 12855

Zero-VOC Silicone Swelling Solvent

Silicone swelling agent and mold release remover

- Swelling of platinum and peroxide cured silicone
- Silicone swells and returns to original state quickly and efficiently
- Powerful cleaning agent to machining fluids and oils, dirt, grease, dust and other contaminants
- Removes mold release compounds
- Zero VOC for greater regulatory compliance
- Evaporates quickly and leaves no residues, minimizes process time
- Safe on most plastics
- Noncorrosive, safe for sensitive metals

12855 1 gal. / 3.8 L liquid

Coventry™ 12807 Acetone

Precision Cleaning Solvent

Low residue, high purity grade of acetone

- Quickly removes greases and waxes from hard impervious surfaces
- Low surface tension
- Low toxicity
- Evaporates quickly and leaves no residues, minimizes process time
- Zero VOC and no ozone depleting chemicals

12807 1 gal. / 3.8 L liquid

Coventry™ 12805 IPA

Precision Cleaning Solvent

Low residue, high purity isopropyl alcohol

- 99.8% or greater purity and meets USP standards
- Cleaning solvent for critical cleaning applications
- Low surface tension
- Low toxicity
- Evaporates quickly and leaves no residues, minimizes process time
- No ozone depleting chemicals

12805 1 gal. / 3.8 L liquid

Coventry™ 12809

Multi-Phase Carrier Solvent

2-part solvent system with maximum performance and safety

- Moisture and oxygen free – prevents premature curing
- High solubility of silicone and other lubricants.
- Nonflammable, no ozone depleting chemicals
- Low toxicity
- Fast acting / high productivity throughput

12809 1 gal. / 3.8 L liquid

Solvent Selection Guide

| | 12803 n-Heptane | 12805 IPA Solvent | 12807 Acetone Solvent | 12809 Carrier Solvent | 12851 Vapor Solvent | 12855 Zero-VOC Solvent | 12857 Nonflammable Solvent | 12866 Cutting Fluid Remover |
|--------------------------------------|--------------------|-------------------------|-----------------------------|-----------------------------|---------------------------|------------------------------|----------------------------------|-----------------------------------|
| FUNCTIONS | | | | | | | | |
| Precision Cleaning | | | | | | | | |
| Cleaning Strength | ○ | ○ | ● | ○ | ● | ○ | ● | ● |
| Cleaning Sensitive Substrates | ● | ● | ○ | ○ | ○ | ○ | ○ | ○ |
| Metal Cleaning | ● | ● | ● | ○ | ● | ● | ○ | ● |
| Tube & Elastomer Swelling | ● | ○ | ○ | ○ | ○ | ● | ● | ○ |
| Carrier & Deposition | ● | ○ | ○ | ● | ○ | ● | ○ | ○ |

○ = Not Recommended, ○ = Effective / Gentle, ○ = Very Effective / Strong, ● = Ideal / Very Strong

| GENERAL PROPERTIES | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|
| Flammability | Y | Y | Y | N | N | Y | N | Y |
| Low / No VOC | N | N | Y | N | N | Y | Y | N |
| Plastic Safety | F | M | F | M | F | F | M | M |
| Dry Speed | N | Y | N | Y | N | N | N | Y |

Y = Yes, N = No, M = Moderately fast, F = Very Fast

| | TYPICAL APPLICATIONS | SOILS REMOVED |
|--------------------------------------|--|--|
| Precision Cleaning | Orthopedic Implants Neuromodulators Wires, Leads & Cables Dental Implants Heart Valves Peripheral Vascular & Cardiac Catheters | Endoscopes Needles Stents Cardiac Pacemakers Other Surgical Instruments |
| Tube & Elastomer Swelling | Port/Catheter Assemblies Barbed & Barbless Couplings Silicone & Urethane Elastomeric Tubes | Handling & Processing Oils Buffing Compounds Cutting Fluids Light Greases & Heavy Oils Mold Releases |
| Carrier & Deposition | Blades Vitrectomy Devices Ophthalmological Surgical Probes Peripheral Vascular Catheters & Devices | Silicones Biocides |

Let's work together to address your medical device assembly challenges.

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