



Robotics & Automation

OPTIMIZE PERFORMANCE WITH ESSENTIAL COMPONENTS

COMPONENTS THAT SUIT YOUR NEEDS

We're Essentra Components, worldwide manufacturer of small, but vital components for multiple industries and are proud that even the smallest solutions have a big part to play in the robotics & automation machinery industry.

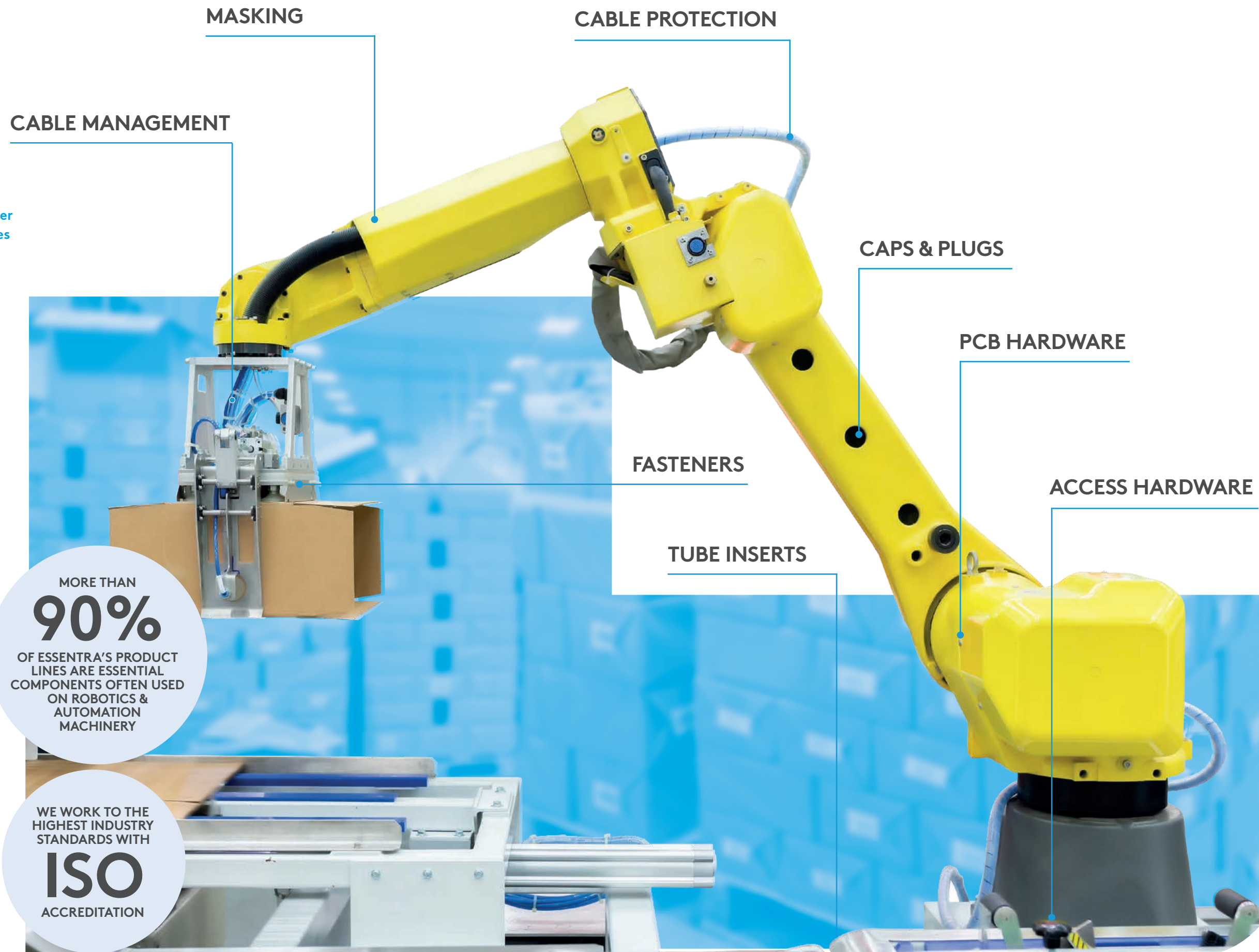
We work with many of the world's leading robotics & automation machinery manufacturers, providing the highest standards of service and quality.

Being a FTSE 250 company our reach is global with 14 manufacturing facilities around the world, yet we work hard to maintain a local understanding. For you, that means our manufacturing capabilities, experience, customer focus, and global infrastructure allows us to leverage our extensive network to deliver bespoke solutions. We're able to bring together the best products, ideas and distribution for the robotics & automation industry.

"FROM CONCEPT TO PRODUCTION, ESSENTRA WAS ABLE TO SMOOTHLY MANAGE ALL PROJECT REQUIREMENTS TO COME UP WITH THE PERFECT SOLUTION."

"ESSENTRA WAS SO EASY TO DEAL WITH, PROVIDING SAMPLES AND 3D PROTOTYPES THROUGHOUT THE PROJECT."

Bob Siegwald,
Burgaflex Executive Vice President



MORE THAN
90%
OF ESSENTRA'S PRODUCT
LINES ARE ESSENTIAL
COMPONENTS OFTEN USED
ON ROBOTICS &
AUTOMATION
MACHINERY

WE WORK TO THE
HIGHEST INDUSTRY
STANDARDS WITH
ISO
ACCREDITATION

CAPS & PLUGS

Ensure smooth assembly and transit by protecting critical profiles from damage. You can also get a professional finish by masking holes and contact points with easy-to-fit caps and plugs.



SHEET METAL PLUG

Made from Nylon66, this plug can be easily pushed into fabricated bores for protective or aesthetic purposes. The plug's flange creates an easy removal meaning the part can be easily reused.



TAPERED CAPS & PLUGS

Designed for each part to cap multiple O.D.s or plug multiple I.D.s. Tapered plugs and caps are made of LDPE material to protect against damage, dirt, moisture and corrosion during storage and shipping.



BOLT NUT PROTECTION CAPS

Bolt Protection Caps conceal and protect bolt heads and nuts against weathering. Ideal for bolt heads, screw heads and nuts. They create an enhanced finished appearance and are a great choice for outdoor applications.



ROUND VINYL END CAPS

Made from Polyvinyl Chloride (PVC). Vinyl protective caps are typically used to protect threaded or non-threaded tubing, rods, pipe or paper tubes. These round vinyl caps have a glossy and attractive finish that makes them ideal for use as a decorative vinyl pipe end caps.

TUBE INSERTS

Protect and finish tubular profiles with easy-to-install tube inserts. They provide a secure fit, prevent damage, and give products a clean, professional look.



SQUARE TUBE INSERTS

Square Tube Inserts are great for light-duty bearing applications and available in both ribbed and straight wall designs. Choose from extensive material ranges that work throughout a variety of industrial environments.



ROUND TUBE INSERTS

Round Tube Inserts have a perimeter rib design that aid in easy and quick assembly and makes for a snug diameter fit. Both ribbed and straight wall designs are available in a variety of durable finishes, materials, and colors.



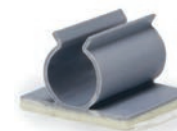
CABLE MANAGEMENT

Manage, organize and protect complex cabling with easy-to-install solutions suited to a range of demanding and varied environments.



CABLE TIES

Essentra offers a range of tough, high quality cable ties, suitable for a wide range of electrical and general applications. Our Standard Cable Ties come with a built in lock system to prevent accidental removal.



CABLE CLAMPS

Quickly and easily mounted with adhesive base. U style allows for very easy application and removal of the bundle. Different sizes are available for various bundle diameters.



CABLE GLANDS

Provide entry for a cable into an enclosure. With variations in thread size, colour and mounting thread lengths the range supports an array of Cable Glands to suit your application needs. Locknut and sealing washer available separately.



OPEN/CLOSED UNIVERSAL CABLE BUSHINGS

Open/Closed Universal Bushes are designed to protect wire, cable or tubing from sharp, unfinished edges. The web or shutters help absorb shock and vibration. They have a split design allowing the bushings to be assembled into holes that may already contain a bundle.



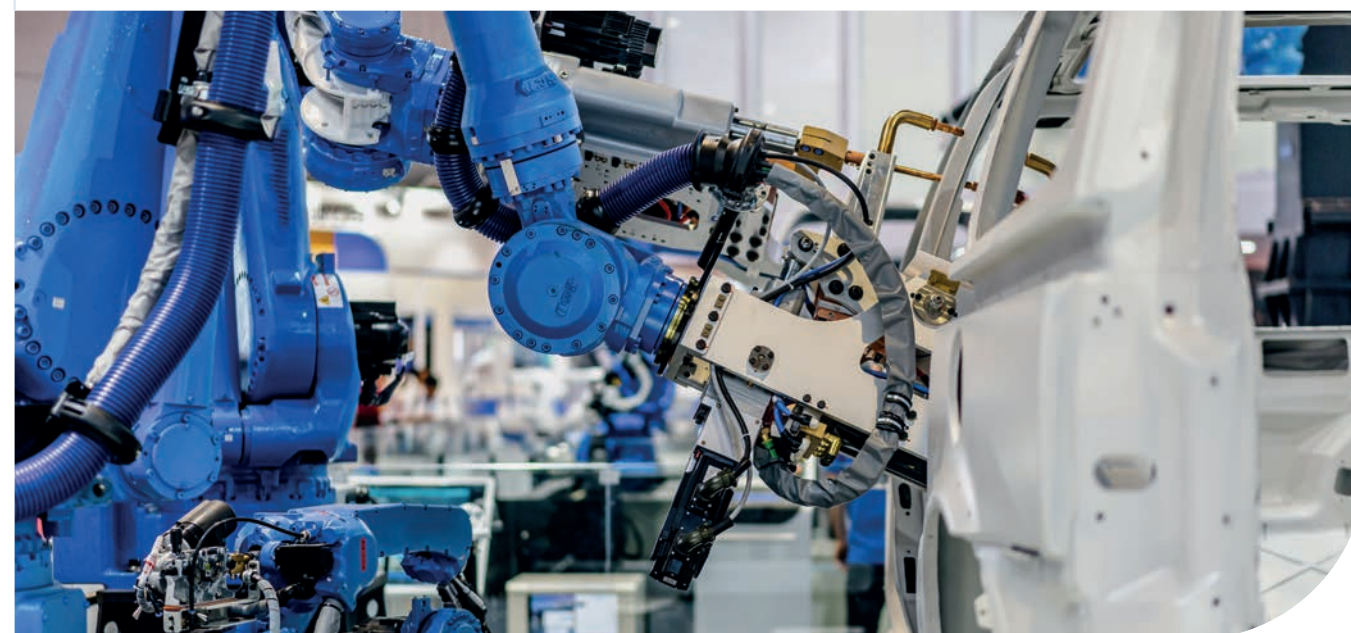
STANDARD GROMMETS

Standard Grommets are available in many different materials. Snap in design enables quick and easy installation. Black PVC - protect wires and cables passing through panels.



SNAP-FIT BUSHINGS

Snap-Fit Bushings protect wires, cables, and tubing from sharp edges of sheet metal holes. The push-fit design easily installs in common panel thicknesses while the durable material creates a smooth opening.



ACCESS SOLUTIONS

We simplify opening, closing, and securing with ergonomic, high-performance handles, knobs, and components that meet user needs and international standards.



PULL HANDLES

Pull Handles arch shape are lightweight and provide a more stylish ergonomic finish. The range offers a choice of mounting type being front mounted or back mounted.



SPRING-LOADED REMOVABLE CONCEALED HINGES

A right-handed Concealed Hinge that is spring-loaded for easy door removal. Suitable for internally-mounted doors. Made from Zinc-Plated Steel.



SEALING GASKETS

Sealing Gaskets are clip-on profiles offering edge protection and sealing. Essentially used on metal sheet, they offer protection from vibrations, ingress of humidity and dirt. They provide an additional seal to enclosure boxes.



SWING HANDLE

Designed to accommodate most panels and doors, but especially larger sizes, which are ideal for secure multipoint locking for indoor and outdoor cabinets. Also eliminates the need for additional hardware, as they come with an integrated handle. Available in electronic versions or as standard key operated.



COMPRESSION LEVER LATCHES

Rotary Dampers control the speed and acceleration of a movement in a travelling body. Simple to install, they can be fitted as part of an assembly. Available in a range of torques and gear profiles.



KNOBS

Fluted Clamping Knobs have a round design with a positive comfortable grip. The scalloped style allows for a stylish yet functional knob. Flexible mounting options include studded, threaded insert and through-hole. Our knobs are ideal for many mechanical clamping conditions and come in both standard and soft-touch materials.



HINGES

Counter Sunk Mount Leaf Hinges are a flat leaf widely used in various applications. They are best suited for flush mounted doors. The range, also referred as Surface Mount Hinges, offers different formats of counter sunk holes depending on the strength of the support required by the application.



CAM LEVER

External Thread Cam Levers allow quick fastening or releasing without the use of tools and allow fine adjustments to the clamping action. The slightly arched handle provides a comfortable grip while the external threaded stud can be easily adjusted.



QUARTER-TURN CAM LATCHES

Rotating cam secures by engaging the frame or keeper. Available in tool-key, keyless, or padlock versions. Spring-loaded design improves NEMA/IP sealing and comes with fixed or adjustable grips and handle styles like "L", "T", and "Wing Knob."



COMPRESSION LATCHES

Available in round compression, T-handle, lift & turn, swell, trigger, and spring latch styles. Added compression improves IP/NEMA sealing and insulation against noise and vibration. Options include key, tool-cylinder, padlock, or keyless operation.

HOSE AND WIRE PROTECTION

Protect hose assemblies with good insulation properties against temperature, abrasion and burst resistance. Our range includes easy-to-fit hydraulic fittings, hose clamps, ring seals and more.



HOSE PROTECTION SLEEVES

Quick Sleeves eliminate hydraulic line contamination during hose replacement. They are resistant to heat, ozone and abrasion and aid the easy assembly and removal of bundles.



HOSE PROTECTION WRAP

Spiral Wrap Hose Protector, commonly known as Hose Spiral Guard or Hose Wrap, is suitable for the protection of hydraulic, pneumatic and industrial hose assemblies across a wide range of industries.



HOSE PROTECTION WRAP

This Hose Protector range helps shield hose and wire, offering protection from abrasion caused by points of contact, such as wear with frames or other abrasive surfaces.



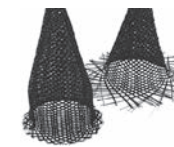
HOSE CLAMP

The Worm-Drive Hose Clamp range includes two styles: a 9mm band (max torque 3.0Nm) and a 12mm band (torque 5.0Nm). Solid, spot-welded bands provide better hose protection than perforated alternatives, with a C7 hexagonal head for easy fitting and removal. The AISI 304/W4 version features a stamped band with rolled edges to prevent hose distortion.



HYDRAULIC HOSE CINCH STRAP

The range of Cinch Straps consist of a hook and loop design of straps which hold hoses securely while allowing the hoses to expand or contract as pressure changes.



BRAIDED SLEEVING

Braided sleeving is widely used across many applications to protect and manage complex cable bundles exposed to constant motion and demanding environments. Options include fully closed, self-closing, and hook & loop wraps, available in a variety of bundle diameters to ensure flexibility, durability, and secure routing in automated systems.



PLASTIC FASTENERS

Ensure the quality and life of your product with fasteners in the sizes and tolerances you need, designed to work for just about every application.



WASHERS

Insulates against moisture and electricity. Resists corrosion and abrasion. Provides full insulation, cushioning and spacing. Durable nylon.



VIBRATION MOUNTS

Effectively absorb shock and dampen vibration, protecting sensitive components from damage while enhancing system stability, performance, and overall lifespan.



PUSH-IN RIVETS - SNAP

Our most popular and easiest to install plastic rivets. Simply push the head in and the grommet expands to hold it in place. Removable by pulling head. Available in both black and white colours. UL94 V-2 or UL94 V-0 material and also in heat stabilized material.



PLASTIC THUMB/WING NUTS

Plastic Thumb/Wing Nuts are a type of nut with a knurled outside diameter (surface) or two thumb tabs. These designs facilitates manual tightening by hand, and also secures the nut into a handle or cover. They are typically used in applications where the fasteners will be removed regularly.



CAP SCREWS

Hex Head Screws and Bolts are available with and without slotted heads. Offered in a variety of standard imperial and metric sizes as a replacement to all metal versions. They are a light-weight, vibration-, chemical-, electrical- and corrosion-resistant option.

PCB HARDWARE

Our vast range is all about choice, whether it's a hex standoff for high-critical strength or PCB support with various locking methods.



DUAL LOCKING SUPPORT PILLARS

Our Dual Locking Circuit Board Support Posts lock at both ends and offer a quick and easy way to secure two PCBs or a single PCB to framework or a chassis.



PCB CARD EJECTORS

PCB Card Ejectors aid card insertion and extraction. Leverage against guide rack or chassis ejects board. Prevent undue stresses and protect the components, circuitry and connectors in PCB support systems.



FAN MOUNTS

Fan accessories provide protection and mounting for small DC and AC fans suitable for industrial and computing applications. Silicon fan mountings offer a simpler, faster installation method than conventional screw mounts.



PCB SUPPORT POSTS

PCB support posts provide lightweight, non-conductive spacing and secure mounting for boards, protecting sensitive electronics from shorts and vibration. With push-mount, screw-mount, and adhesive fastening styles available, they offer versatile installation options to suit a wide range of designs and applications.

HIGH TEMPERATURE MASKING

Our extensive range of high temperature masking products include solutions for shot blasting, powder coating, e-coating, anodizing, plating or wet painting. For masking irregular shapes, try our masking tapes and discs.



POWDER COATING HOOKS

Our Powder Coating Hooks bring accuracy and efficiency to your finishing processes. We stock various shaped hooks to dismiss the build up of coating.



MASKING CAPS & PLUGS

Masking Pull Plugs are ideal for masking threaded and plain through-holes. The pull-tab allows an easy insertion into a hole and also become very handy to remove the part when hole is very tight. The material is flexible to allow slight variation in the sizes to mask.



MASKING STRAIGHT CAPS

Typically used to mask studs and tube ends. They have excellent sealing capabilities due to the flexible material that they are manufactured from.



MASKING TAPE DISCS

Masking Tape Discs are used for a host of masking applications and come in a choice of materials. All tape and discs are supplied with a split-back liner for easy removal from the roll. Clearly removes after use without leaving behind unsightly residue.



HIGH-TEMPERATURE TAPERED PLUGS

Our range of High Temperature Masking Plugs are available as a solid plug or with a hollow core. These reusable tapered plugs are available as either a premium Silicone Plug or as a cost-effective EPDM plug.



MASKING FLANGELESS PLUGS

Designed to mask holes without masking the surrounding surface area. Tapered design allows multiple hole diameters to be protected. Ergonomically friendly profile has a pull-tab for easy installation and removal.



HIGH-TEMPERATURE VINYL PULL CAPS

Easy Pull Masking Caps provide optimum protection for end tip profiles, such as rods, pipes and tubes during manufacturing processes. Typical applications include; anodizing, blasting, powder coating, e-coating, plating and general paint lines.

DON'T SEE WHAT YOU NEED HERE?

Ask us about different sizes, shapes, materials and finishes. Our Custom Solutions team will work to your specification.

FIND OUT MORE AND CONTACT US AT [ESSESTRACOMPONENTS.COM](https://www.essentracomponents.com)



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800.847.0486



EMAIL AN ESSENTRA EXPERT
SALES@ESSENTRACOMPONENTS.COM