



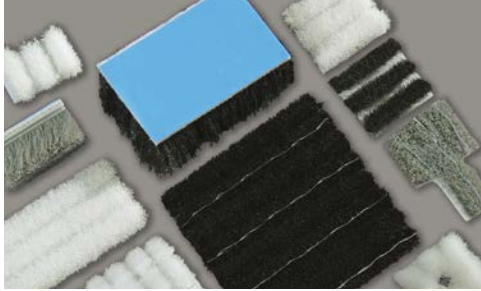
# OEM *Solutions*

BUSINESS  
EQUIPMENT



# INNOVATIVE ENGINEERED PRODUCT SOLUTIONS

## ACTIVE CLEANING BRUSHES



Specialty brushes in several polymer options utilizing numerous filament configurations act as superior active cleaning components. Various densities are achieved with the patented ultrasonic bonding process that allows optimal performance in any environment.

- Adhesive backed products available for press and stick applications
- Low friction materials for reduced static generation
- Integrated secondary assembly to reduce overall processing costs

### Applications

- Ink and toner removal brushes
- Photoreceptor cleaners
- Paper path debris removal
- Screen printing scrubber brushes

### Material Available

- Polypropylene
- Nylon
- Custom upon request

## CUSTOM BRUSHES



Ultrafab's Specialty Products division possesses significant expertise in designing and manufacturing custom brushes that are

ultrasonically welded in complex geometries to form fit into any design which results in overall cost reduction and ease of assembly.

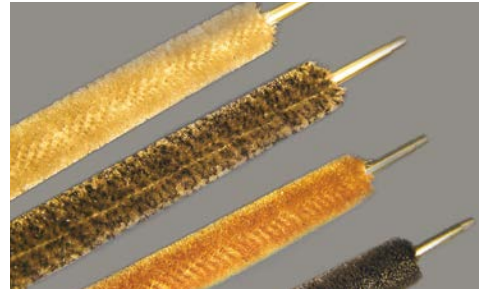
### Applications

- Processes applicator brushes
- Product guidance for automated systems
- Thermal and cable path barriers for server rack assemblies

### Material Available

- Polypropylene
- Nylon
- Custom upon request

## ROLLER BRUSHES

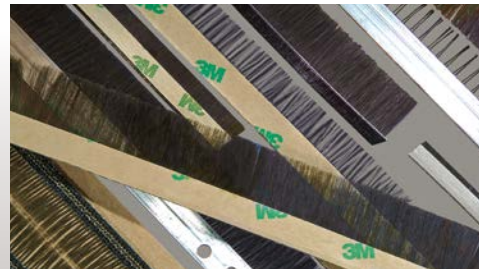


Roller brush is tubular and the pile is wound around the shaft. You can choose pile material, density, external diameter and so on depending on the application.

### Applications:

- Cleaning brush for multi-function printer
- Charge brush for printer
- Coating brush for steric acid zinc for printer
- Feed roller brush

## STATIC ELIMINATION BRUSHES



Static charge build-up in electronic devices can cause product failures and extensive damage. Ultrafab provides both contact and non-contact ESD brushes to meet a wide

range of applications. Additional features include, but not limited to:

- Conductive or non-conductive adhesives can be applied to one or both sides
- Integrated conductive wire for increased grounding performance
- Woven backed technology with mounting holes can be used to eliminate addition bracketing requirements

### Applications

- Charge brushes for plain paper printers
- Feed roller brushes
- Static generating elements

### Materials Available

- Acrylic
- Stainless Steel
- Carbon

## CUSTOM PROFILE EXTRUSIONS



Custom extruded seals and components can be manufactured in multiple shapes and materials. Co-extruded technology allows for multiple materials with varying mechanical properties to be combined on the same component to meet the most diverse application needs. Materials are selected based on environments such as extreme temperatures, chemical exposure or any other rigorous working condition.

- Design specific profiles available in addition to standard selections
- Thermoset and thermoplastic compounds
- Slip-coat additives for reduced friction optional

### Applications

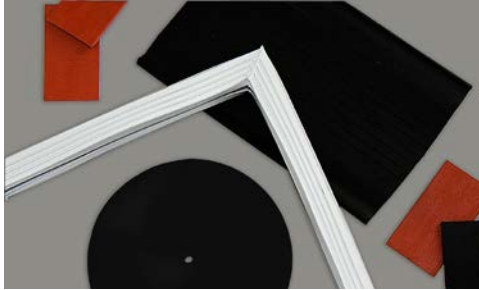
- Edge trim
- Drawer slides
- Enclosure seals



### Material Available

- Polyethylene
- Polypropylene
- Polyurethane
- PVC (rigid & flexible)
- TPE

### RUBBER & FOAM GASKETS



Rubber and foam materials are available in various densities and thicknesses, and can be die cut to any custom profile. Additional features include, but are not limited to:

- High temperature compounds
- Solid and sponge rubber, closed and open-cell structures
- Rubber or acrylic based adhesives
- Custom laminating of multiple compounds

### Applications

- Enclosures
- Acoustic/anti-vibration pads for panels
- Duct/joint sealing
- Filtration

### Materials Available

- Polyurethane
- Neoprene
- Polyethylene
- SBR
- EPDM
- Silicone

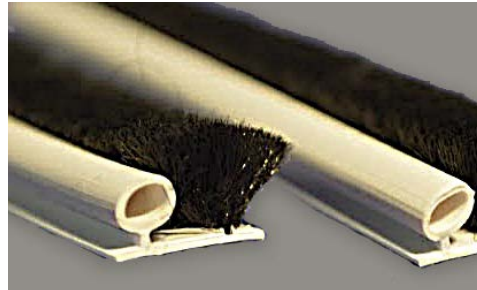
### MOUNTED SEALS



Custom mounted configurations are used to increase through-put, reduce costs and minimize the need for additional parts.

Our design team works to integrate our components; which enable our customers to focus on theirs.

### HYBRID SEALS



Ultrafab has the unique ability to combine pile/textile and extruded seal solutions on one common base or platform.

- One component has two functions – compression seal on one side, sliding seal on the other
- One part to install – easy to assemble
- Reduce costs – labor and raw material
- Improve component integration
- Components could also be two different pile seals – offering different compression or closing forces

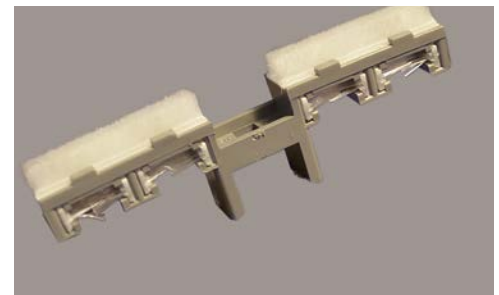
### Applications

- **Light seals:** Frame to rough opening, lens to frame
- Sliding panels slide on pile seal – seal against bulb in closed position
- **Environmental seal:** Multiple barriers from air, wind, rain, dust, vibration, contamination from foreign debris

### Materials:

- **Extruded:** Polypropylene, thermoplastic elastomers, engineered resins
- **Pile/Textile:** Polypropylene, Nylon, PP/ Nylon Blend, conductive fibers

### SUB-ASSEMBLIES



Ultrafab will manufacture complete Sub-Assemblies

- Installation of our components into small or large assemblies
- Assistance with acquiring needed injection molded or extruded base components
- Small or large volumes can be accommodated
- Prototyping services also available
- Class 100,000 Clean Assembly room on-site
- On-site automation capability reduces costs to you
- Experienced technicians that pay close attention to details

### ULTRA LOC®

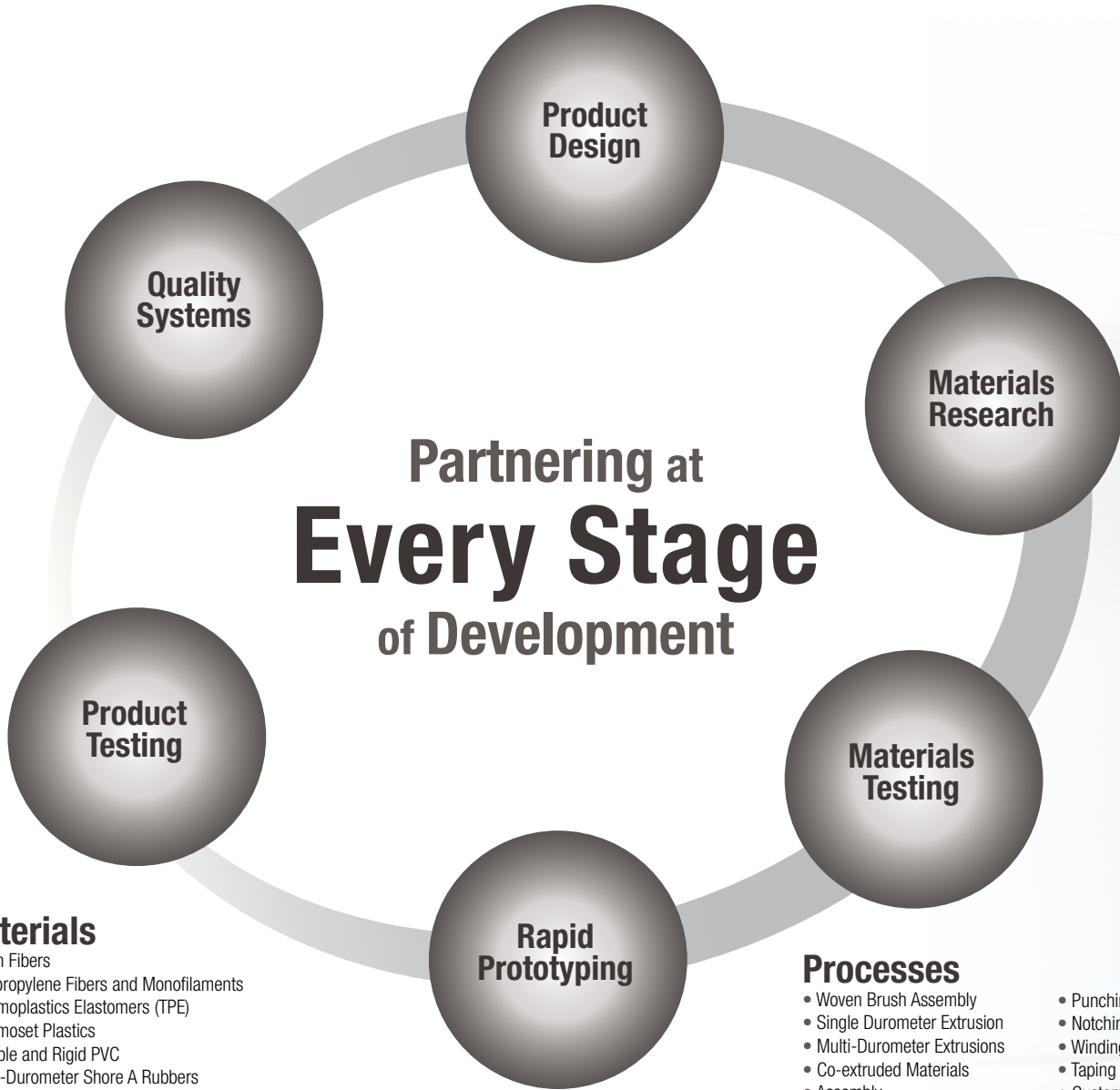


Rigid backing allows for added locking power with two options of Ultra Loc, which can be inserted with our insertion equipment. T-Loc® backing as a continuous series of tabs on each side of the backing that will align and hold it in place.

# Innovative Solutions

For more than 40 years Ultrafab has been providing innovative, cost effective, and timely solutions to a wide range of OEM applications. From the materials used to the equipment that manufactures the products, being vertically integrated allows us to partner with our customers at every step from idea, to design, to development and production. Our success is attributed to our dedication to working

directly with engineers, creators, and designers to develop new and different approaches to solving the most difficult challenges associated with our clients' products or processes. Ultrafab currently services hundreds of customers in over 90 countries in a vast array of market sectors.



## Materials

- Nylon Fibers
- Polypropylene Fibers and Monofilaments
- Thermoplastics Elastomers (TPE)
- Thermoset Plastics
- Flexible and Rigid PVC
- Multi-Durometer Shore A Rubbers

## Processes

- Woven Brush Assembly
- Single Durometer Extrusion
- Multi-Durometer Extrusions
- Co-extruded Materials
- Assembly
- Punching
- Notching
- Winding
- Taping
- Custom Packaging

Ultrafab Specialty Products

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