Gordon Brush Mfg. Co., Inc. introduces an expanded ESDline, a MAX ESDline and a CLEANROOMline to accommodate all your Electro Static Discharge and Cleanroom needs. Gordon offers you a variety of bristle types and handle types to meet your specific cleaning requirements. Choose from the bristle material listed below the type that meets your needs and match that choice with the handle type listed on the following pages. If you have a question, feel free to call Gordon Brush Mfg. Co., Inc. at 323-627-6889. Gordon Brush is The Brush Source for you.

ESDline Bristle Materials

Gordon Brush has developed a choice of non-plastic bristle materials to suit your ESD needs. Uses include board prep, solder ball removal, rework after lead trimming, edge connector cleaning & general board rework. Choose from natural (animal) or synthetic bristle materials that provide the natural hair-nonconductive and general stiffness characteristics necessary to handle your needs in an ESD environment. Or, choose a material with non-shed characteristics and stiffness for Cleanroom applications. Read below to determine the fill/bristle material that best suits your purpose, and then find the handle size and style with the amount and length of bristle you need on the following pages.

Goat Hair: Goat Hair is a soft yet fine natural material with durable properties that make it excellent for use in fine polishing and cleaning.

Horse Hair: Horse Hair is a durable but fairly soft natural brush bristle that works well for dusting, flux removal and general cleanup.

Hog Bristle: Hog Bristle, also known as Chung King (CK), has a unique, very stiff natural bristle that works well when dealing with sticky, crusty materials or viscous fluids. This bristle material is similar to .018 nylon in relative stiffness, and is the stiffest natural fill material available for brush

Brass: Brass is a wire typically softer than stainless steel, yet ideal for uses that include burnishing, polishing, non-sparking static removal and some deburring and material removal. The smaller the diameter of the bristle the softer it is.

Stainless Steel: Stainless Steel is a highly corrosion-resistant wire to be used where contamination or after rust is a problem. The stainless steel Gordon Brush uses ranges from extremely soft to stiff. The fine .003" wire bristles are excellent at burnishing without removing base materials.

MAX ESDline Bristle Material

Thunderon: Thunderon is specifically made with static electricity control in mind. It is an acrylic fiber with an electrical conductive layer of copper sulphide. This material, when loaded with opposite electrons, will generate an electric field between the brush and the object touched. Ionized air will neutralize each object and the brush, producing an unsurpassed Corona Discharge Effect. Because the bristle is very fine (approximately .0015" to .0020" in diameter) it creates superior conductivity and softness, but with the bend recovery and resilience associated with acrylic fiber. It is also mixed with Goat Hair or other material to add stiffness. See MAX ESDline for brushes with this material.

CLEANROOMline Bristle Material

Gordon Brush provides two bristle material types that work best in a Cleanroom environment. Choose the non-shedding material for your need and match it with the handle type you prefer.

Nylon: Nylon type 6.12 is the highest quality nylon available. It is a very durable synthetic material resistant to most acid and alkalis that wears for a long time. It is excellent for cleaning and scrubbing applications with its strong abrasion resistance properties.

Stainless Steel: Stainless Steel is a highly corrosion-resistant wire to be used where contamination or rust is a problem. The Stainless Steel Gordon Brush uses ranges from extremely soft to stiff. The fine .003" wire bristles are excellent at burnishing without removing base materials.

FIBERS: The Heart of Every Brush

Some brushes are naturally high in fiber - not that you want to add them to your diet! Fibers create the "action" in the brush. There are literally hundreds of materials, colors, and characteristics available. Those listed here are only a few examples. Call Gordon Brush if your needs require another type of fiber not listed here.

If there is something you need that you do not see represented in the following pages, fill out the last page listing your requirements and we will contact you about manufacturing a custom brush.



Gordon Brush Mfg. Co., Inc.

THE BRUSH SOURCE