





Welcome to Gordon Brush Mfg. Co., Inc. and our new ESD Line and Cleanroom Brush Catalog. Founded in 1951, Gordon Brush continues the tradition of manufacturing quality special and custom industrial brushes with a renewed emphasis on providing new and improved solutions to ESD and Cleanroom problems.

Gordon Brush has made an ongoing commitment in time and research to become the nation's premier supplier of ESD brushes. We now provide a full line of brushes to meet your most demanding engineering requirements in Conductive, Static Dissipative or Anti-Static brushes. In addition, we have expanded our line to include Insulative brushes as well as Heat Tolerant (Autoclavable) brushes to meet your Cleanroom needs.

We at Gordon Brush are known throughout the brush industry for providing products at a competitive price that excel in quality, and are shipped on time. The majority of non-custom brushes are shipped the same day we receive the order due to our extensive inventory and sophisticated computer management system. Our move to a new, state of the art, 183,000 square foot facility in the City of Industry California underscores our commitment to growth and manufacturing brushes that meet your engineering specifications.

Call us at (800)950-7950 or (323)724-7777, or fax us at (323) 724-1111 with your questions or order today. You may also visit us at www.gordonbrush.com for additional information, or e-mail us at ESD@gordonbrush.com

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E-DLINE -

CONDUCTIVE BRUSHES

Conductive Brushes have a surface resistivity range of $10^2 - 10^4$ and are perfect to use when you need to remove static buildup from the work surface. Conductive brushes will act as a conduit between the charged surface and the path to ground. Made with fully conductive materials that are active static eliminators, your choice becomes the style and size that best works for you. Please use these brushes with a wrist strap or other mechanism to provide a path to ground.

SST2SS >

SST6SS

SST10B

22SSA

11SSA

† Application: All materials for these high quality brushes are manufactured for detail cleaning, such as printed circuit boards and SMT assemblies, or for use as fluid applicators.

SST Series†: This series includes four handy sizes to fit most benchwork needs. All have strong mechanical fiber clamping for maximum fiber retention and no adhesives that can leach out and contaminate surface areas. All handles are made from Stainless Steel. Bristle material is available in Stainless Steel (SS), Brass (B), or Thunderon (T).

SST Series

Product Series	SST2	SST6	SST10	SST12
Bristle Material	Part #	Part #	Part #	Part #
Brass	SST2B	SST6B	SST10B	SST12B
Stainless Steel	SST2SS	SST6SS	SST10SS	SST12SS
Thunderon	SST2T	SST6T	SSTIOT	SST12T
Handle Length	3-1/2"	4-3/4"	4-3/4"	6"
Diameter	1/8"	3/16"	5/16"	3/8"
Bristle Trim Length	1/8"	5/16"	3/8"	3/4"
Tuft Diameter (Oval)	1/8"	1/4"	3/8"	7/16"
Use	Fine detail & fluid op		Fluid appli general us	

Aluminum Handle Series†: The 11A, 22A and 33A
Series brushes are the same style Aluminum handles, with
one, two or three rows of bristles. Brushes are available
with soft Stainless Steel (SS), soft Brass (B), or
Thunderon (T) material. These brushes are great for fine
detailing and fitting into tight areas. The fibers are hand
laced for better fiber retention and durability.

Aluminum Handle Series

Product Series	11A	22A	33A
Bristle Material	Part #	Part #	Part #
Brass	11BA	228A	33BA
Stainless Steel	11SSA	22SSA	33SSA
Thunderon	11TA	2ZTA	33TA
Handle Length	6-7/16"	6-7/16"	6-7/16"
Handle Width	1/8"	1/4"	3/8"
Bristle Trim Length	7/16"	7/16"	7/16"
Bristle Length	1-3/16"	1-3/16"	1-3/16"
Bristle Width	3/16"	1/4"	5/16"
Bristle Rows	1	2	3
Use	Fine detail	Fine	Fine
	deaning	deaning	cleaning

900183 and 900437 Series: These brushes are made with 100% Thunderon, a conductive filament, or a mixture of Thunderon and Goat Hair. Thunderon is a very fine (.0015 diameter) acrylic fiber chemically bonded with copper sulfide. The special fiber will dissipate a charge on an electrically charged surface. The surface resistivity of Thunderon is 10-2. The plastic handle is dissipative with a surface resistivity of 105.

Note: Conductive filbers are NOT recommended for use with unencapsulated electronic microcircuits. Minute pieces of conductive material have been known to cause short circuits.

EDLINE

DISSIPATIVE BRUSHES

These dissipative brushes have a surface resistivity of $10^5 - 10^{11}$, a higher resistivity than the conductive brushes, but sufficiently conductive to preclude any static build-up in the brush. These are excellent tools to use in removing any static charge that will result in the adhesion of particles, such as dust, to an object. Frequent use of these brushes will keep electrostatic charges from building up on your products. Please use these brushes with a wrist strap or other mechanism to provide a path to ground for safety.

900437 >

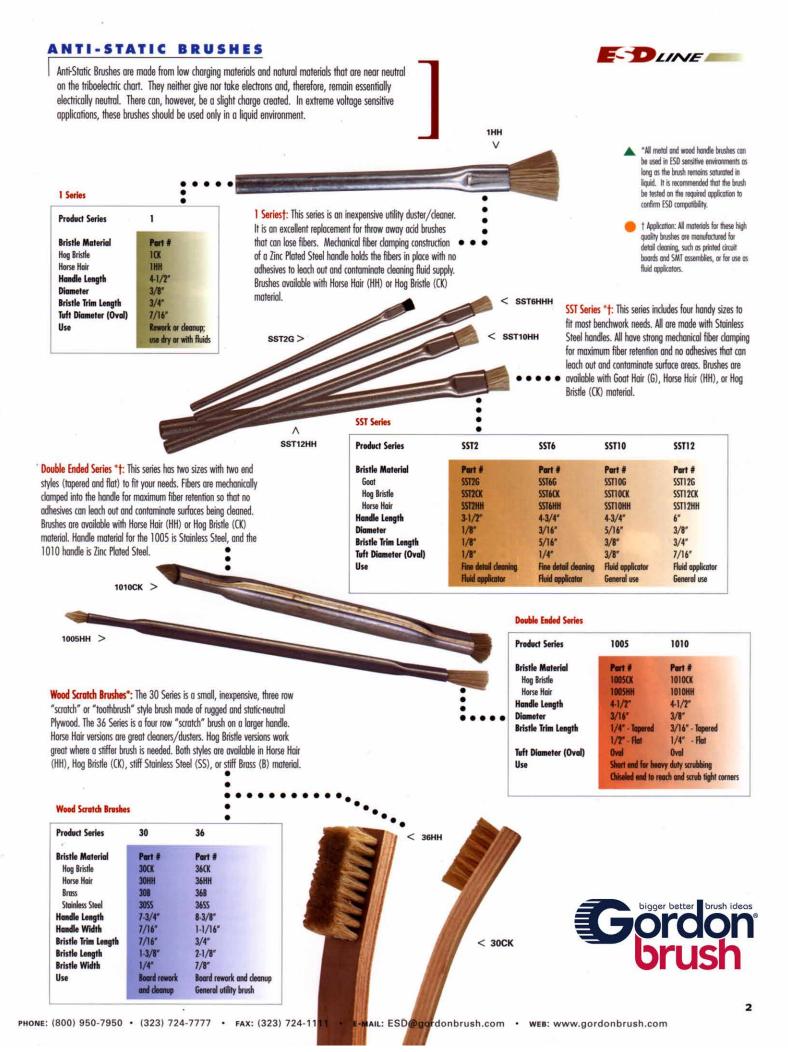
900183 >

33SSA >



900183 and 900437 Series

Product Series	900183	900437
Bristle Material	Part #	Part #
Thunderon	900183T	900437T
Thunderon/Goat	900183	900437
Handle Length	9-3/4"	4"
Handle Width	1/4"	1/4"
Bristle Trim Length	1-1/4"	1-1/4"
Bristle Length	5-1/8"	3-3/8"
Bristle Width	5/16"	5/16"
Use	Static charge dissipation	Static charge dissipation



WAGRHH >



WA Series

WA24 **WA68 Product Series** W_A7 WA12 **Bristle Material** Part # Part # Port # Part # Goat Hair WA7G Hog Bristle WA24CK WA68CK WA7CK WA12CK WA7HH WA12HH WA24HH WA68HH Horse Hair Handle Length 4-15/16" 4-15/16" 4-15/16" Handle Width 3/16" 2" x 1/2" 6" x 3/4" 1-1/16 block head block head 1/2" **Bristle Trim Length** 1/2" 1/2" 1-3/4" 5-3/4" **Bristle Length** N/A 7/8" **Bristle Width** 3/8" 1/2" Duster/Scrub Duster/scrub Duster/scrub Use all to larger areas, especially on circuit boards

WA Series*†: This series is comprised of various wood handle sizes designed for dusting and scrubbing, particularly on circuit boards. The WA7 Series has an "orange stick" chiseled handle on one end for debris removal. The WA12 Series is a heavy-duty scrubber or duster. The WA24 and WA68 Series are heavy-duty scrubbers or dusters for larger areas. Brushes are available in Goat Hair (G), Horse Hair (HH), or Hog Bristle (CK) material.





Wood Scratch Brushes (Hand Laced)

Product Series	11P	14	15	15L	46	60
Bristle Material	Part #	Part #	Part #	Part #	Part #	Part #
Hog Bristle	11CKP	14CK	15CK	15CKL	46CK	60CK
Horse Hair	TIHHP	14HH	15HH	15HHL	46HH	60HH
Brass	11BP	14B	158	15BL	46B	60B
Soft Brass	11BP-003	148-003	15B-003	15BL-003	_	_
Stainless Steel	11SSP	1455	1555	15SSL	4655	6055
Soft Stainless Steel	115SP-003	1455-003	1555-003	155SL-003	_	_
Handle Length	7-3/4"	7-3/4"	7-3/4"	14"	8-1/2"	7-3/4"
Handle Width	7/16"	7/16"	7/16"	7/16"	1"	7/16"
Bristle Trim Length	7/16"	7/16"	7/16"	7/16"	3/4"	7/16"
Bristle Length	1-3/8"	1-3/8"	1-3/8"	1-3/8"	1-5/8"	1-3/8"
Bristle Width	1/8"	1/4"	1/4"	1/4"	7/8"	1/4"
Use	Fine detail cleaning	Slightly wider for tough spots	Detail cleaning and scrubbing	Long handle detail cleaning	Larger scrubber	60° angle for tough spots

Wood Scratch Brushes (Hand Laced)*†: The 11P, 14 and 15 Series brushes are the same style Plywood handles, with one, two or three rows of bristles, hand laced with stainless steel wire for maximum fiber retention and long use. The 11P has a small face width. The 14 Series has a slightly wider Plywood handle. The 15 Series has hand laced fibers for maximum fiber retention and durability. Versions with extra fine Stainless Steel and Brass fill (.003 diameter) provide a very soft cleaning brush. The 15L Series is a 15 Series with the Plywood handle almost twice as long to reach those extra far away locations. The 46 Series is a large scrubber brush to be used when wide areas are cleaned. Again, the fibers are hand laced. The 60 Series is another variation on the 15 and 15L Series with a 60 degree angle handle to reach difficult locations. All brushes are available in Horse Hair (HH), Hog Bristle (CK), Stainless Steel (SS), or Brass (B) material.



Aluminum Handle Series*t: The 11A, 22A and 33A Series brushes are the same style Aluminum handles, with one, two or three rows of bristles. Brushes are available with Horse Hair (HH) or Hog Bristle (CK) material. These brushes are great for fine detailing and fitting into tight areas. The fibers are hand laced for better fiber retention and durability.

fluid applicators.



m Handle Series

Product Series	11A	22A	33A
Bristle Material	Part #	Part #	Part #
Hog Bristle	11CKA	22CKA	33CKA
Horse Hair	11HHA	22HHA	ЗЗННА
Handle Length	6-7/16"	6-7/16"	6-7/16"
Handle Width	1/8"	1/4"	3/8"
Bristle Trim Lengtl	7/16"	7/16"	7/16"
Bristle Length	1-3/16"	1-3/16"	1-3/16"
Bristle Width	3/16"	1/4"	5/16"
Use	Fine detail deaning	Fine cleaning	Fine cleaning



299991 Series

Bristle Material Hog Bristle Horse Hair Handle Length and Width **Bristle Trim Length** Bristle Length and Width Use

Part # 299991CK 299991HH 7-3/4" x 7/16" 7/16" 4" x 1/4" Forcefully clean narrow areas



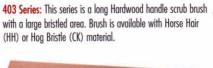
299991 Series*t: This series has a slightly curved Plywood handle that allows for a larger fiber area with reaching capability. Brush is available with Horse Hair (HH) or Hog Bristle (CK) material.



359994 Brush

Bristle Material Horse Hair Handle Length and Width **Bristle Trim Length Bristle Length and Width**

Part # 359994 10-3/16" x 5/8" 3/4" 4-3/4" x 1/2" Scrub brush for narrow areas





403 Series

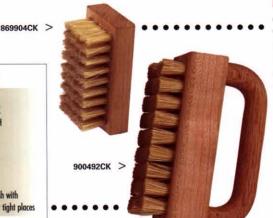
Bristle Material Hog Bristle Horse Hair Handle Length and Width **Bristle Trim Length** Bristle Length and Width Use

Part # 403CK 403HH 13-3/4" x 7/8" 5-1/2" x 5/8" Long handle scrub brush

869904 Series and 900492 Series

Product Series Bristle Material Hog Bristle Horse Hair Handle Length Handle Width **Bristle Trim Length Bristle Length Bristle Width** Use

869904 900492 Part # Part # 869904CK 900492CK 900492HH 869904HH 2-1/2" 3-1/2" 2-1/4" 1.3/8" 1/2" 5/8" 3-1/8" 1-1/8" Small scrub without Scrub brush with handle for tight places



869904 Series and 900492 Series*: The 869904 Series is a great small scrub brush for use when a handle gets in the way. It is available with Horse Hair (HH) or Hog Bristle (CK) material. The 900492 Series is a scrub brush with a Hardwood handle for ease of use to get into tight places while providing protection for hand and knuckles. Made with Horse Hair (HH) or Hog Bristle (CK) material.

G1308 Series

Bristle Material Horse Hair Stainless Steel Brass Brass/Horse Hair **Block Length and Width**

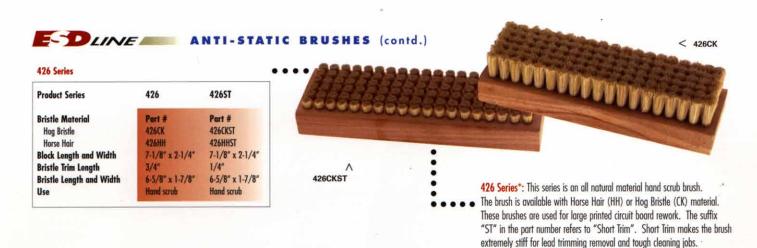
Bristle Trim Length Bristle Length and Width

Part # G1308HH G130855 G13088 G1308 4-1/4" x 2-1/2" 3/4" 3-5/8" x 1-15/16" Rectangular design to clean circuit boards and other ESD uses

G1308 Series*: This series is a small rectangular Hardwood block brush for the ESD controlled environment. It is densely filled and easy to grip. This brush is available with Horse Hair (HH), soft Stainless Steel (SS), soft Brass (B), and a version with an outer row of Horse Hair with the rest of the brush filled with soft Brass material.

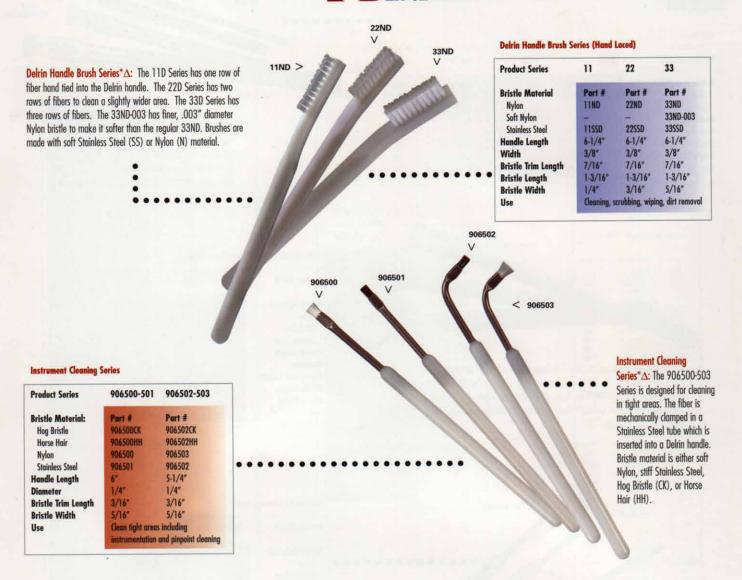


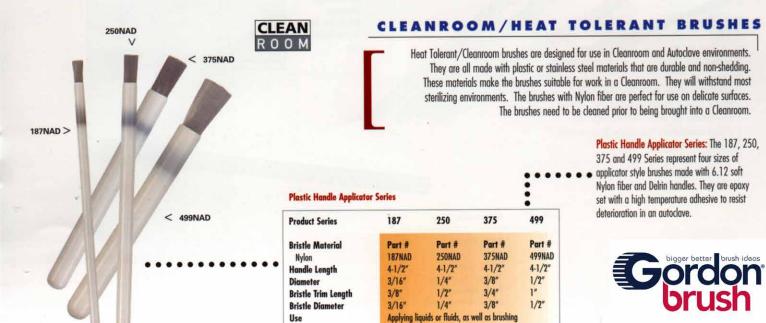










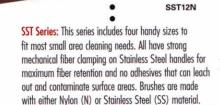


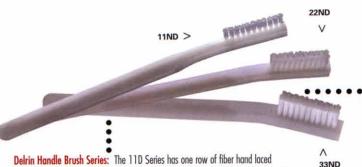
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HEAT TOLERANT BRUSHES (contd.)

SST Series

Product Series	SST2	SST6	SST10	SST12
Bristle Material	Part #	Part #	Part #	Part #
Nylon	SST2N	SST6N	SSTION	SST12N
Stginless Steel	SST2SS	SST6SS	SST10SS	SST12SS
Handle Length	3-1/2"	4-3/4"	4-3/4"	6"
Diameter	1/8"	3/16"	5/16"	3/8"
Bristle Trim Length	1/8"	5/16"	3/8"	3/4"
Bristle Diameter (Oval)	1/8"	1/4"	3/8"	1/2"
Use	Fine detail cleaning	Fluid applicator	Fluid applicator	General use



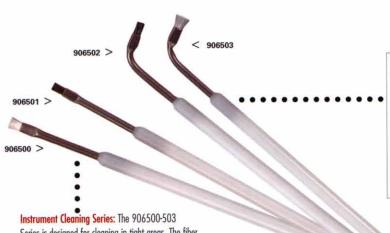


Delrin Handle Brush Series: The 11D Series has one row of fiber hand laced into a Delrin handle. The 22D Series has two rows of fiber. The 33D Series has three rows of fiber. The 33ND-003 has finer, .003" diameter Nylon bristle to make it softer than the regular 33ND. Brushes are made with soft Stainless Steel (SS) and Nylon (N) material.

Delrin Handle Brush Series (Hand Laced)

SST2N >

Product Series	11	22	33
Bristle Material	Port #	Part #	Part #
Nylon	TIND	22ND	33ND
Soft Nylon			33ND-003
Stainless Steel	11550	22SSD	33SSD
Handle Length	6-1/4"	6-1/4"	6-1/4"
Diameter	3/8"	3/8"	3/8"
Bristle Trim Length	7/16"	7/16"	7/16"
Bristle Length	1-3/16"	1-3/16"	1-3/16"
Bristle Width	1/4"	3/16"	5/16"
Use	Cleaning, s	crubbing, wipir	g, dirt remov



Instrument Cleaning Series

Product Series	906500-501	906502-503
Bristle Material:	Part #	Part #
Nylon	906500	906503
Stainless Steel	906501	906502
Handle Length	6"	5-1/4"
Diameter	1/4"	1/4"
Bristle Trim Length	3/16"	3/16"
Bristle Width	5/16"	5/16"
Use	Clean tight areas	including and pinpoint cleaning

Series is designed for cleaning in tight areas. The fiber is mechanically clamped in a Stainless Steel tube which is inserted into a Delrin handle. Bristle material is either Nylon or Stainless Steel.





Bristle Material Nylon Handle Length Diameter Bristle Trim Length Bristle Diameter (Oval) Use Part #
AL251N
4"
1/4"
1/2"
5/16"
General purpose cleaning, autoclavable

AL251 Series: This series is an applicator style brush for general purpose cleaning and is autoclavable. The brush is made with Nylon bristle material in an Aluminum handle.

^ AL251N

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1/64	0.015625	0.397		
1/32	0.03125	0.794		
3/64	0.046875	1.191		
1/16	0.0625	1.588		
5/64	0.078125	1.984		
3/32	0.09375	2.381		
7/64	0.109375	2.778		
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