

Communications



Manufacturing



Aerospace



Defense



Medical



Technology



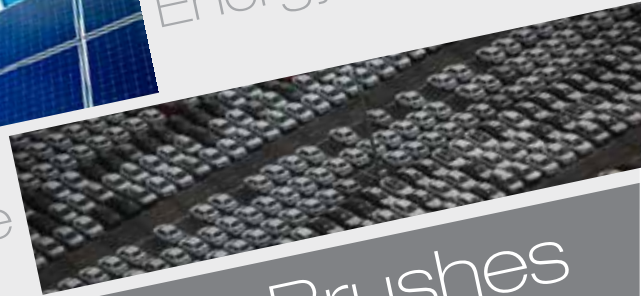
Agriculture



Energy



Automotive



Miniature and Micro Twisted Wire Brushes



MILL-ROSE





Miniature and Micro Twisted Wire Brushes

Small parts like these Mill-Rose miniature and micro brushes can play a big role in your next production. Mill-Rose is uniquely suited to manufacture brushes as tiny as .014 in diameter to clean, polish, debur and ream small holes and cavities using a full range of bristle materials.

Mill-Rose is the largest U.S. manufacturer of twisted-wire brushes and the undisputed world market leader for industrial brushes. Brushes are what we know; big ones, little ones, produced in large or small volumes. We've been setting the standard for quality, performance, and innovation in brush technology for over 95 years. Mill-Rose brushes are used in virtually every industry around the world, including, but not limited to, aerospace, agriculture, automotive, defense, energy, manufacturing, medical, technology, and telecommunications.

Mill-Rose miniature brushes are designed to deburr, clean and slightly ream very small holes and cavities. Miniature brushes are offered with stainless steel, brass and nylon as standard fill material, and special bristle materials are available upon request.

Miniature abrasive brushes are also available for aggressive cleaning and deburring holes drilled in close-tolerance metallic and non-metallic parts. These brushes are flexible, designed to retain their shape better than wire-fill brushes, and will not degrade the diameter, straightness



or surface finish of the holes. These silicate and aluminum-oxide brushes are designed for power use.

Mill-Rose also manufactures a complete line of micro twisted-wire brushes used in medical applications, including microbiology and cytology sampling, cleaning endoscopes and other medical instruments, and custom-design applications for precision instruments. These micro/mini brushes can be supplied in a full range of materials that include stainless steel, brass, bronze, gold, silver, titanium, molybdenum and other exotic materials. Synthetic fibers can also be used, including nylon, polyethylene, styrene, Herox[®], and Tynex[®].

Let Us Build A Brush For You



Mill-Rose specializes in designing and manufacturing brushes used in new, unique applications. If you require a special or unique brush, we'll design it for you and make it from any material the job calls for. We're continually developing new ideas for brushes and have designed thousands of brushes for special applications. Put our 90-plus years of brush design/manufacturing experience to work for you. Send us a sketch of what you need or tell us what you want to accomplish and we'll take it from there. Our full-service engineering department will work with you to develop a prototype.



Miniature Twisted Wire Brushes

Mill-Rose miniature brushes are designed to deburr, clean and slightly ream very small holes and cavities. Mill-Rose manufactures miniature brushes as small as 0.014" in diameter in .001" increments. Miniature brushes are offered with stainless steel, brass or nylon bristles as standard items.

CATALOG NUMBER			Brush Diameter	Overall Part	Stem Length	Wire	
Stainless	Brass	Nylon				Diameter	Size
06012	06014	06016	.020	1/4"	3"	.012	.003
06022	06024	06026	.030	1/4"	3"	.016	.003
06032	06034	06036	.040	1/2"	4"	.028	.003
06042	06044	06046	.050	1/2"	4"	.032	.003
06052	06054	06056	.060	1/2"	4"	.036	.003
06062	06064	06066	.070	3/4"	4"	.040	.003
06072	06074	06076	.080	3/4"	4"	.048	.003

CATALOG NUMBER			Brush Diameter	Overall Part	Stem Length	Wire	
Stainless	Brass	Nylon				Diameter	Size
06082	06084	06086	.090	1"	4"	.048	.003
06092	06094	06096	.100	1"	4"	.048	.003
06102	06104	06106	.110	1"	4"	.048	.003
06112	06114	06116	.125	1"	4"	.048	.003
06122	06124	06126	.130	1"	4"	.048	.003
06132	06134	06136	.140	1"	4"	.070	.003
06142	06144	06146	.150	1"	4"	.070	.003
06152	06154	06156	.160	1"	4"	.070	.003
06162	06164	06166	.170	1"	4"	.070	.003
06172	06174	06176	.180	1"	4"	.070	.003
06182	06184	06186	.190	1"	4"	.070	.003

Miniature Abrasive Twisted Wire Brushes

Mill-Rose twisted-in-wire abrasive tube brushes provide extra cutting and cleaning action in a variety of applications, including cross hole deburring, burr removal, internal cleaning, removal of small imperfections and surface preparation. Miniature abrasive tube brushes are flexible, designed to retain their shape better than wire-fill brushes, and will not degrade the diameter, straightness or surface finish of the holes. Silicate and aluminum-oxide brushes are designed for power use. Silicon-carbide brushes can be special ordered.



Catalog Number	Brush Diameter	Brush Part	Overall Length	Stem Diameter	Fill Size
06200	.030	1/2"	4"	.015	.008 Silicate Carbide
06210	.050	1/2"	4"	.023	.008 Silicate Carbide
06220	.075	3/4"	4"	.034	.008 Silicate Carbide
06230	.090	3/4"	4"	.042	.008 Silicate Carbide
06240	.105	1"	4"	.044	.008 Silicate Carbide
06250	.125	1"	4"	.064	.008 Silicate Carbide
06260	.135	1"	4"	.064	.008 Silicate Carbide

Catalog Number	Brush Diameter	Brush Part	Overall Length	Stem Diameter	Fill Size
06300	.165	1"	5"	.087	600 Aluminum Oxide
06310	.190	1"	5"	.087	600 Aluminum Oxide
06320	.260	1"	5"	.115	600 Aluminum Oxide
06330	.325	1"	5"	.115	600 Aluminum Oxide
06340	.385	1"	5"	.147	600 Aluminum Oxide
06350	.515	1"	5"	.168	600 Aluminum Oxide
06360	.640	1"	5"	.168	600 Aluminum Oxide
06370	.765	1"	5"	.221	600 Aluminum Oxide
06380	.890	1"	5"	.221	600 Aluminum Oxide
06390	1.015	1"	5"	.248	600 Aluminum Oxide

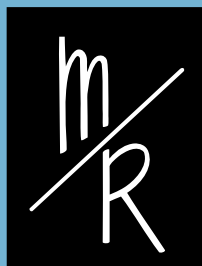
Medical Brushes & Wire Forms

Mill-Rose manufactures a broad range of medical brushes and wire forms used for cytology sampling (disposable and reusable), instrument cleaning, and other medical and dental applications requiring micro brushes. Mill-Rose medical brushes are made with stainless steel stem wire and machined for optimum performance. Choose from a range of natural and synthetic filaments for the abrasiveness and/or stiffness required by your critical cleaning applications.

Mill-Rose also manufactures stainless steel wire forms used in snares, forceps, baskets, and a broad range of medical products. Our design and manufacturing experience makes us the ideal partner for solving medical device wire challenges for OEM suppliers in the medical, surgical, and dental industries.



Miniature and Micro Twisted Wire Brushes



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