

# MILL-ROSE



**Brushes For Automotive/Engine  
Building And Repair**



Mill-Rose is a leading manufacturer of specialty brushes for the automotive industry. Choose from a variety of twisted-in-wire brushes, cup brushes and wheel brushes for surface conditioning and deburring internal and external automotive engines and components. Surface conditioning with Mill-Rose brushes eliminates any loose metal and removes flakes that can contaminate engine oil or impede performance.

Mill-Rose offers a complete selection of single spiral or double spiral twisted-in-wire tube brushes in a selection of filaments for crankshaft oil holes, valve guides and general automotive maintenance. For more aggressive cleaning, Mill-Rose offers a full-line of abrasive brushes that aggressively condition surfaces within engine cylinders, manifolds and automotive parts providing a smooth, consistent surface. Mill-Rose also offers parts cleaning brushes, utility brushes and spoke cleaning brushes designed for efficient cleaning and long-lasting performance.

### **Oil Line and Gallery Brushes - Single Spiral Tube Brushes for hand use**

Single stem, single spiral twisted-in-wire wire tube brushes are used for hand cleaning the internal bore of tubing, drilled orifices, and other cylindrical cavities in various hard materials. These brushes are ideal for cleaning oil lines and similar applications. A sturdy twisted wire handle with hand loop enables the hand to grip the brush comfortably and exert pressure to ream the opening for tube cleaning. Features include concentric bristles around the handle axis and uniform bristle density from end to end. These brushes are available with nylon, high carbon steel, stainless steel or brass bristles for more aggressive cleaning action.





## Valve Guide Brushes

Mill-Rose valve guide brushes feature top grade nylon or high-carbon steel filaments to deliver long-lasting performance for automotive rebuilders. Designed for power use, these brushes make fast work of cleaning and reaming valve guides and other small holes. Mill-Rose valve guide cleaning brushes are heavy duty and made with a 1/4" x 4" cadmium-plated steel shank, 8/32" threaded hex coupling or 1/4" x 7-3/4" solid steel shaft that may be mounted in a drill press, chucked in a portable power tool, or used as a hand tool.

## Double Stem, Double Spiral Tube Brushes - power use

Mill-Rose twisted-in-wire power brushes with double stem, double spiral construction are beefed up to withstand the rigors of being driven by power tools, drills, lathes and drill presses. The core is made of four heavy-gauge twisted wires, ending in a smooth stem to chuck readily in a power tool, drill press, lathe, mill, etc. The double stem, double spiral construction allows for the surface area to be more dense. This gives it a more aggressive scrubbing action. Bristles available include but are not limited to high carbon steel, stainless steel, brass, nylon, silicon carbide, aluminum oxide, and carbon fiber. Double stem power brushes can also be supplied with crimped wire bristles. Double stem, double spiral series 200 power brushes are available in any diameter of your choice, within reason. Contact customer service for diameter limits.



## Burr Brushes - power use

These high-density, single spiral brushes are ideal for cleaning inner bores of tubing and machined cylinders in standard diameters from 1/4" to 1-1/4". The spiral screw action of the closely packed bristles increases cleaning effectiveness and shortens the time required. Available in carbon, stainless steel or brass bristles in various gauges from fine to coarse. All handles are twisted stainless steel wire for extra mechanical strength and corrosion resistance. Mill-Rose burr brushes can also be made in larger diameters. Contact customer service for diameter limits.



## Abrasive Tube 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. Mill-Rose abrasive brushes are great for use with hand and stationary power tools, including CNC machining centers.



## High Density Side Action Tube Brushes - More effective on threaded holes

These side action type brushes have an almost solid concentration of bristles to clean the inner walls of tubes and cylinders. The concentration of bristles provides a high degree of bristle stiffness with almost no flexing of bristles during operation. No bristles are present in the axial end of the brush to clean the bottom of a cylindrical cavity.

Series 300 Brushes are available in standard sizes from 1/4" to 1-1/4" in diameter. The high-strength stainless steel stem can be chucked in any power tool chuck... portable drill, drill press, flexible power cable, or used with their specific sized holder. Bristles are made of high carbon steel and are also available in stainless steel, nylon and brass.







## Wire Wheel Brushes

Mill-Rose wire wheel brushes are available in a wide range of sizes with your choice of long or short bristles. Choose from narrow and wide-faced crimped wire wheel brushes or twisted tuft wheel brushes. Short bristles produce a stiffer impact. We offer our wheel brushes in high carbon steel, and stainless steel. Other materials such as brass and copper are available upon request.

## Cup Brushes

Mill-Rose cup brushes are designed for polishing or cleaning large areas with flat surfaces, and complex convoluted surfaces such as carvings and castings. Heavy-duty brush construction and maximum density of wire (high-carbon steel or stainless steel) help minimize flattening and spreading during use. Mill-Rose cup brushes remove scale, rust and paint, in addition to polishing. Cup brushes can be used flat or as an edging cutter in narrow spaces.



## Parts Cleaning Brushes

Mill-Rose parts cleaning brushes are designed for cleaning machines or motor parts in petroleum or grease solvents. Choose from natural bristle fill, gray tampico fill or black polypropylene fill. These brushes get into the smallest cracks and crevices for quick, efficient parts washing.



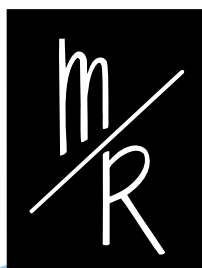
## Welder/Utility Brushes

These brushes, available in wood or plastic handles, are offered with different types of fine wire bristles, including stainless steel, brass, bronze, aluminum and nylon. They are perfect for cleaning in tight spots. Other uses include clean-up after soldering, brazing and welding.



## Spoke/Grill Brushes

Mill-Rose spoke/grill cleaning brushes are ideal for cleaning and detailing automotive parts, spokes and tires.



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