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Screeding to a Flat Surface

On the market today are a variety of screeds to fit any size job and application. ACI 302 defines a screed as “a tool used to strike off the surface of concrete to a specific grade.” From ride-on to walk-behind, gas- to battery-powered, and vibratory to roller, screeds have evolved to fit any purpose.

Bar screeds—narrow, flat wood, or metal bars that span up to 20 feet—are passed over concrete. Manual and mechanized varieties exist, and an operator’s skill determines the surface flatness.

Truss screeds are similar to bar screeds, yet allow for longer widths to accomplish larger projects, such as concrete pavements. Grade level is maintained as the machine rides on the side forms.

A friction screed, striker, or roller screed is a tube that spins in the opposite direction of the screed’s movement. This option is ideal for pervious concrete applications.

You’ll find this selection of screeds come with a number of specialized features that enhance particular applications. Consider your needs when choosing your next screed purchase.



▲ Battery-Powered Screed

With a high-frequency electric motor and zero moving parts, the E-Screed by Magic Screed features a rechargeable and job-site replaceable, high-performance 36-V battery that delivers charge performance of more than 1500 life cycles. The no-maintenance motor is regulated with a variable speed controller. Precision engineering offers easy, single-operator strike off with uniform vibration across the entire blade. It’s fast, easy to use, and ideal for any size concrete pour. Allen Engineering Corp. 800-643-0095. www.alleneng.com



Rolling Edger

The constraints for installing pervious concrete flatwork allow very little time for edging. The Rolling Edger was developed as the quickest and easiest way to edge pervious flatwork. The company also offers jointing tools with interchangeable cutters up to 2½ in. in depth. Bunyan Industries. 800-228-6926. www.bunyanusa.com



▲ Ride-On Roller

The self-propelled SuperScreed is hydraulically driven and requires only one operator. A strike tube precisely cuts the surface to grade, and is ideal for rehabilitation, panel replacement, and concrete overlay applications. The screed is height adjustable, leveling concrete with a slump as low as 1 in. It can help place up to 10,000 sq. ft. of concrete/hour, and expands from 14 to 52 ft. Its strike-tube design leaves aggregate at the surface for harder, longer-wearing slabs. Multiquip Inc. 800-421-1244. www.multiquip.com



◀ Power Screed

Powered by a Honda 32cc 4-stroke engine, Pro 3200 screed design transfers power to the beam through a high-strength aluminum alloy casting. The operator is isolated by four vibration-absorbing mounts, and the engine is protected by a wrap-around frame. The wide beam combined with a newly designed eccentric vibrator rapidly moves the concrete and produces a high-quality smooth surface. Northrock Industries. 800-989-8423. www.northrockindustries.com

► Versatile Screed

The Lightning Strike screed system and its pervious concrete finishing tools meet the needs of permeable pavement jobs. Riser wheels attach to both ends of the screed to elevate the system ¼ in. above the pour. Add riser wheel rings for ⅜- or ⅝-in. elevation to adjust the height per contractor specifications. Attach an adjustable curb runner where pervious is placed next to a curb for a 0- to 12-in. elevation. Lura Enterprises Inc. 701-281-8989. www.luraconcretescreed.com



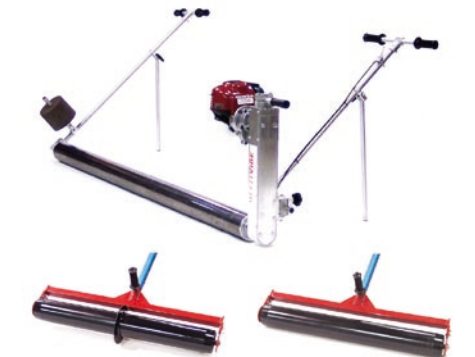
Vibratory Power Screed

Expandable to 60 ft., the gas-powered aluminum screed sections are available in 2½-, 5-, and 7½-ft. lengths for greater flexibility. Weighing only 8 lbs./ft., all-bolted construction makes for easy and simple onsite maintenance. The unique Curl Edge runner increases production and improves the final finish by yielding a more uniform concrete spread. Screeds are available with manual or hydraulic self-propelled drive and with a Honda or Briggs & Stratton engine. Arrow-Master Inc. 800-325-4151. www.arrowmaster.com



Wet Screed

The Wet Screed from Wacker Neuson offers blade lengths from 4 to 16 ft. in a 4.9-in. width ideal for striking off mid- to smaller-size concrete applications. The screeds exciter can be adjusted to seven different positions to allow the unit’s amplitude to match the application. A twin handle design is adjustable to provide operator comfort, while two isolators reduce vibration to the operator. The screed is designed for strike off without the support of grade stakes and forms for residential, light commercial, industrial, and highway applications. Wacker Neuson. 262-250-3510. www.wackerneuson.com



▲ Pervious Screed

Ideal for pervious concrete placements, add a cross-compacting roller and grooving roller to the Wildcat Roller Screed to make a complete package for placing pervious concrete. This screed is powered by a GX35 4-stroke Honda engine. The roller screed tubes are offered in 4- to 24-ft. lengths. This form-to-form screed also will produce flat floors with minimal time and labor involved. Multivibe. 270-554-2615. www.multivibe.com **CC**

For more information, visit <http://go.hw.net/freeinfo>.



◀ Interchangeable-Head, Ride-On Laser Screed

The SMP Laser Screed ride-on machine allows an operator to screed in one pass. The 4-wheel drive, hydraulic-powered platform solution gives the option to grade, plow, or screed with one unit. Economical and efficient, the SMP handles small- to mid-sized projects. Laser leveling technology sets grade automatically, allowing for quick, accurate work. Three interchangeable head options, the concrete leveling head, raking head, and subgrade head, offer additional flexibility. Somero Enterprises Inc. 239-210-6529. www.somero.com

Gas-Powered Screed

Available with a Honda 4-cycle motor, the Gas Powered Spin Screed spins in the opposite direction it is being advanced, causing the concrete to roll up in front of the screed, evening high and low spots. The screed leaves aggregate immediately below the surface, resulting in a quality, durable finish that may be less likely to scale off when exposed to freeze/thaw conditions. It also is available in an electric-powered model. Spin Screed Inc. 888-329-6039. www.spinscreed.com

