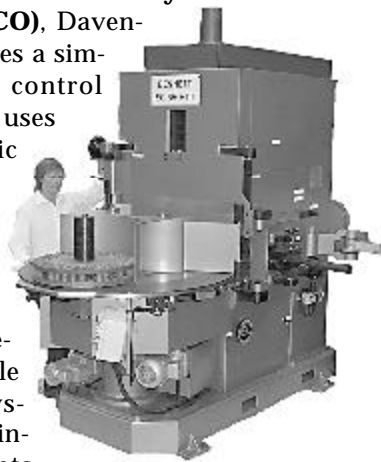


Top Products of 2002

Downfeed Spring Grinder & Lathe Coilers

The EG-26TT (EG 650-TT) downfeed spring grinder, produced by **Bennett-Mahler Limited**, Redditch, Worcestershire, UK, and offered in North America by **Nichols International Machinery Systems Co. (NIMSCO)**, Davenport, IA, USA, features a simplified and reliable control system. This grinder uses only three pneumatic cylinders and one servomotor in order to move the guards and downfeed head.

It also uses the mechanically reliable method of grinding table engagement. The system provides low maintenance requirements and provides superior

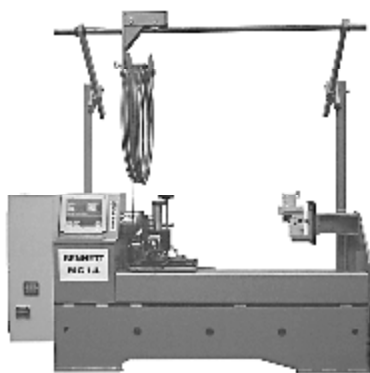


EG 650-TT twin table spring grinder..

uptime, production and operating efficiency for small wire and small-diameter springs requiring relatively short grinding cycles. The EG-26TT downfeed spring grinder is made with 26" (650 mm) diameter grinding wheels as well as two 23" (575 mm) diameter worktables (standard model).

Bennett-Mahler and NIMSCO also offer the Maxicoil MC series of low-cost, automatic lathe-type coilers. According to Bennett-Mahler, an MC series machine is very accurate and capable of producing completely finished

compression springs automatically on a unit only a fraction the cost of an automatic coiling machine. And when used together with a Bennett Maxigrind Machines, one operator can coil, heat treat and grind compression springs at up to 120 pph. MC series machines have

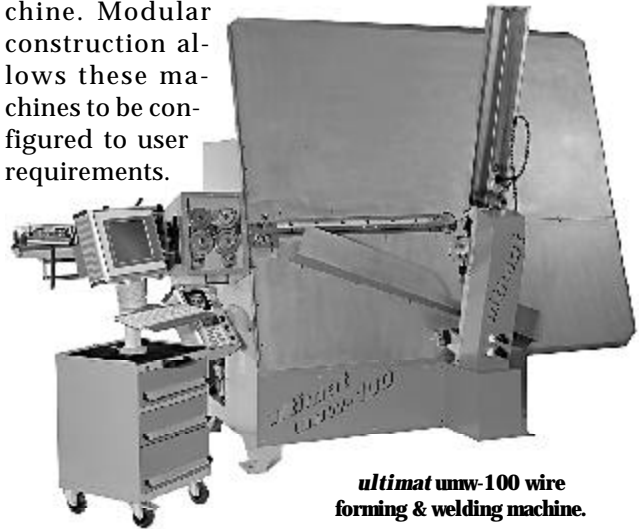


MC-14 automatic lathe coiler.

twin-axis servo controls for high-accuracy production and can be fit with an automatic feed-and-cut assembly. Capacities include up to 3.0 mm (0.120") wire for the MC-3; 3.0 to 8.0 mm (0.120" to 0.320") wire for the MC-8; 3.0 to 14.0 mm (0.120" to 0.560") wire for the MC-14; and 5.0 to 20.0 mm (0.200" to 0.800") wire for the MC-20. Maxicoil MC series machines can also produce accurate torsion and extension springs. For more information **Circle 241**. www.nimSCO.com

Two-Axis CNC Wire Forming & Welding Machines

The *ultimat* range of two-axis CNC wire bending machines with optional butt welder are fast and competitively priced systems from **Ultimation Machines Ltd.**, Capel, Surrey, UK. These machines are suitable for manufacturing simple parts such as rings and frames for the display industry as well as more complex forms for the home appliance, shopping cart and concrete rebar industries. They are offered in models with up to 16 mm (0.630") capacity. The cutting and forming heads feature a simple, robust design with no special tooling required for intricate parts forming. According to Ultimation, the *ultimat* system provides a high-quality square cut similar to that of a straighten-and-cut machine. Modular construction allows these machines to be configured to user requirements.

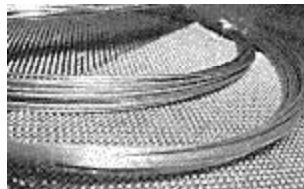


ultimat unw-100 wire forming & welding machine.

The machines also incorporate advanced motion control and servo technology. They also include an operator control station and stand-alone programming station with a touchscreen PC and easy-to-use Windows®-based programming. For more information **Circle 242**. www.ultimat.com

Soft Thin Wire Lacquering Process

N.V. Bekaert SA, Kortrijk, Belgium, offers a process for lacquering very soft and thin steel wires with a colorful half translucent lacquer. The process gives the wire a good metallic color. Applications include wires for weaving and hose reinforcement as well as fine wires for hobby applications. Processed wire provides rust protection, particularly against white rust as well as retains a deep and colorful gleam even in moist environments and over long periods of time. For more information **Circle 243**. www.bekaert.com



Samples of lacquered wires.