

Release: **Immediate**
Contact: **Mr. Rick Bauer**
Vice President
Edge Technologies
11600 Adie Road
St. Louis, MO 63043
Phone: 314.692.8388
Fax: 314.692.5152
rbauer@edgetechnologies.com

Edge Technologies Introduces New Economically Priced Ranger 112 with Scroll Feed for Quick & Precise Bar Changes Down to 1.5mm

ST. LOUIS, MO – The Ranger 112 is the newest economically priced Scroll Feed magazine bar feeder for feeding round, square, and hexagonal bar stock in a diameter range of 1.5-15 mm and lengths up to 12' into CNC lathes. A two-pusher system drastically reduces the overall length of the unit by as much as 4 feet. A short pusher pre-feeds the bar then retracts, then a second full-length pusher lowers into position to continue the feeding process. The Ranger 112's double pusher system is propelled by a toothed belt for accuracy, as well as smooth quiet running. Maximum adjustable feeding speed is 600 mm per second and maximum adjustable return speed is 1000 mm per second. This feeder is compatible with all types of sliding or fixed, CNC or cam operated lathes.

The Scroll Feed system ensures proper and consistent loading of 1.5 mm to 15 mm bar stock. The Scroll Feed bar device has a storage capacity of 16 bars. Small diameter bar stock, along with the accuracy of the Scroll Feed system, makes the Ranger 112 ideally suited for the medical and electronics industries.

As a standard feature on the Ranger 112, the synchronization device for Swiss style lathes employs an electro-magnetic coupling, mechanically linking the lathes headstock's z-axis travel to the bar feeder's pusher, ensuring synchronous movement and no loss of connection between the bar stock and pusher collet.

Dual anti-vibration devices stabilize the bar stock at two critical points between the guide channel and lathe spindle maximizing RPM potential. Its adjustable roller design provides superior support and easy set-up of all bar diameters without the cost of multiple bearing blocks.

The Ranger 112 features a 1.5-15 mm bar diameter capacity with hydrodynamic quick-change polyurethane guide channels. The channel is flooded with oil to create a hydrodynamic effect to support the rotating bar resulting in the ability to run at higher RPM with reduced noise and vibration. The top guide channel is profiled for all bar stock sizes. The "U" shaped bottom guide channel sections slide easily out of their base. To make the change for a new channel size, a new section is inserted, a screw is tightened and the Ranger 112 is ready to run a new bar stock diameter.

Edge Technologies Introduces New Economically Priced Ranger 112 with Scroll Feed for Quick & Precise Bar Changes Down to 1.5mm

– Page 2

The Ranger 112 features the convenience of an easy-to-use remote control pendant with a Mitsubishi control and servo drive that provides the Ranger's motion control and functionality. Functions include: manual and automatic operation, manual load/unload of bar stock for set-up and/or change over, movement of bar pusher, and the emergency stop. The control is easy to program, yet flexible enough for all applications. Parameters are set through simple F functions. Alarms are well defined and displayed on the operator control panel; panel swings out for ease of use.

The Ranger 112's bar remnants are withdrawn to the back end of the magazine and a gripper extracts it out of the collet and deposits it in a remnant basket. The gripping device is used to both insert the new bar into the bar stock collet and to extract the remnant. It is not necessary to chamfer the bar if it is cleanly cut. No adjustment for bar size is necessary and it is completely "Self-Centering". Bar pusher collet changes can be done less than 2 minutes.

At their national technical center headquartered in St. Louis, Missouri, Edge Technologies not only stocks bar feeders, but provides full-service technical support, service in the field, and order desk capabilities for their stock of parts and accessories. Installations and training round out Edge Technologies' offerings.

Edge Technologies has extensive experience and a history of success and innovation; demonstrated by 25 years of providing bar feeder and lathe automation solutions, including over 13,000 successful installations of magazine bar feeders in the North American marketplace.

Sales Contact: **Mr. Rick Bauer**
Vice President
Edge Technologies
11600 Adie Road
St. Louis, MO 63043
Phone: 314.692.8388
Fax: 314.692.5152
rbauer@edgetechnologies.com
For more information, visit our website: www.edgetechnologies.com

(more)

Edge Technologies Introduces New Economically Priced Ranger 112 with Scroll Feed for Quick & Precise Bar Changes Down to 1.5mm

– Page 3



Edge Technologies' Ranger 112 is the newest, economically priced, scroll-fed 12' magazine bar feeder. The Ranger 112 features a 1.5-15 mm diameter capacity, quick-change polyurethane guide channels, hand-held pendant and a Swiss synchronization device.