

Royal Master Grinders, Inc.

Guidewire Feeding System



Operator Interface

The Royal Master Guidewire feeding system is a new system developed by our engineering team to be fast, easy to use, universal and robust: Our team took our decades worth of experience and designed a new feeding system.

This system uses a vacuum to pick up a wire, one at a time. To verify that only one is picked up, a laser sensor measures the wire. The wire will then be placed in an "on deck" station while the current wire is grinding. The new wire will be dumped into the feeder, and quickly expressed into the wheels using the 2" diameter capstain rollers. These rollers will not wear out as quickly as smaller rollers. The wire can be ground using a time based system, or the wire can be retracted from the machine using a photo-eye sensing the back of the wire. When the wire is finished grinding, it will be expressed out fo the machine, and rotated to a recepticle under the feeder.

The system can have as many as 10 different sensors to enable the operator to leave it set-up for your various jobs. Then to change over from job to job, simply select the part number from the menu in the color touchscreen controller.

The operator interface uses a feature unique to the Royal Master system with the visual input / output screens. This is simply touch the picture on the screen and the machine will make the corresponding move.

Feeder Will Work on:

- Standard Machine with or without an autocycle
- Hi-Accuracy Machine (Capable of Multiple Tapers)
- Servo Cycle Machine (Capable of Multiple Tapers)

Feeder Available in 4', 6' and 12' Lengths

