

## *SNI's New Hi-Rez™ Slide System*

Is your company looking for every opportunity to reduce costs and improve productivity with a quick and easy payback?

SNI's latest development, the **Hi-Rez™** Slide System, enables users to achieve 21<sup>ST</sup> century grinding capability with a minimum investment. We know of no other retrofit package for Heald CF grinders today that delivers the performance and rapid payback of SNI's **Hi-Rez™** Slide System. For an investment of a small fraction of the cost of rebuilding, the **Hi-Rez™** solution:

- ❖ Cuts set-up/change over time.
- ❖ Increases productivity through faster cycles.
- ❖ Substantially reduces maintenance costs and down time.
- ❖ Reduces abrasive costs by achieving greater efficiencies with conventional and super abrasives.
- ❖ Improves quality without the need for ancillary devices such as linear glass scales and in-process gages.
- ❖ Extends the machine's productive life by 20 to 30 years.



**Hi-Rez™** Cross Slide Package



New **Hi-Rez™**  
Operator Control with  
Custom Grinding Software



New CF Electrical Panel

Very simply, SNI's **Hi-Rez™** Slide System is delivered as a **new** CF servo-motor driven cross slide - a direct replacement for the one currently in operation on your machine. With the slide, SNI delivers a completely new electrical control main panel and operator's panel, both pre-wired, and ready for installation in your machine. The package provides a full color touch screen for operator interface, and SNI's state-of-the-art grinding software. Imagine the benefits of a single solution package that costs a small fraction of the price for machine rebuilding or replacement, installs easily and quickly, and permanently **rids the CF of costly headaches**, such as the:

- ❖ Old stepping motor drive and the complex compensation mechanism and its gears, stops, bearings, etc.
- ❖ Old CF electrical controls, including Cross Slide Control Unit, thumb wheel switches, LED's, printed circuit boards, relays and related wiring and electrical components - all tired, ineffective for 21st century grinding requirements, and very expensive to maintain.
- ❖ Old hydraulic feed components that require setting, adjustment, and rarely repeat.
- ❖ Old fashion switches for new wheel, worn wheel, and wheel size, that have to be set and adjusted, cause headaches for maintenance people, and deliver inconsistent performance from set-up to set-up.
- ❖ The larger/smaller unit that delivers 1960's technology, while substantially limiting the CF machine to achieve demanding Cp/Cpk requirements, and to take full advantage of advances in abrasive technology.

## The benefits to your operations:

- ❖ Faster set-up, multiple part program storage, and settings that deliver .000010" resolution.
- ❖ Faster grind cycles, by allowing optimum grind and dress rates to be programmed, and repeated, while enabling the machine to dress-compensate at finite values, and to skip dress multiple cycles. This new capability enables the CF to use and optimize super abrasives such as CBN.
- ❖ Reduction in abrasive costs by allowing specific comp values to be entered and repeated, and to minimally dress super abrasives for their maximum economy.
- ❖ Accuracy of cross slide improves by 50% or substantially more, allowing gage or scale feedback tolerances to be achieved without the costs associated with gages or scales.
- ❖ Easier/ Low-cost maintenance: No more gears, larger/ smaller unit, wheel-wear switches, or even glass scales to maintain. Also gone are the old Heald OEM controls that are very expensive to maintain.
- ❖ The reliability of a new control, performance of a high resolution cross slide, and the net productivity and quality derived from SNI's software marriage of the two significant elements.
- ❖ High performance at a minimum cost = high returns on investment.

If you have any questions or would like to receive additional information regarding this or other products, we would like to hear from you. Let SNI show you how the **Hi-Rez™** Slide System can make a difference. Call us at (508) 754-2739 or use our [Contact Us](#) web form at [www.sni-grinders.com](http://www.sni-grinders.com)

Please visit our web site regularly for product updates and to really find out "what's new" in high performance grinding.

*SNI offers years of experience as designers and manufacturers of modern, productive and precise Internal, External and Rotary Surface Grinding Machines*

### MANUFACTURING FACILITIES

Our facility is located in Worcester, Massachusetts, allowing us to take advantage of the region's vast grinding machine history. Engineering, purchasing, production, and quality control groups combine to assure state-of-the-art technology, quality workmanship, and reliable performance.

### APPLICATION CAPABILITIES

A team of experienced Application Engineers brings the knowledge gained in a wide variety of successful installations to bear on your particular needs and constraints. Technically skilled and creative, our custom engineering capabilities distinguish SNI from any other company in the field.

### PARTS AND SERVICE

SNI supports its industry-leading product knowledge by maintaining a comprehensive parts inventory to minimize downtime. Installations, field service, operator training, and maintenance recommendations are handled professionally by our technically skilled Service Engineers.



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