

Product Highlight:

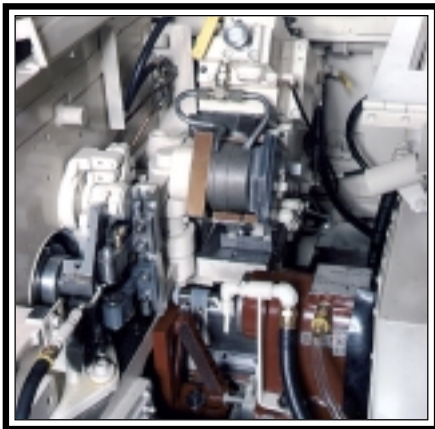
SN-115 CNC Production Grinder

The Model SN-115 is a high production internal grinder designed for a variety of precision applications. Bearing race outers and inners, universal cup joints, bushings, rollers, and a variety of other thin-walled components are already proven on the SN-115.

The SN-series capitalizes on SNI's extensive experience in designing, building, and applying precise and productive internal grinders. Our engineers have analyzed all of the elements of the grinding system, with particular attention to their impact on workpiece quality and cycle-time. The result is a highly productive, flexible CNC grinding system capable of producing higher quality product.

Standard features include:

- Full two-axis CNC Control.
- Precision ball-screw/servomotor actuated slides.
- Super-rigid dressing system suitable for dressing conventional and/or advanced abrasive grinding wheels.
- Infinitely variable-speed workhead drive.
- Hydrostatic ways and hydrostatic hold-downs contribute to the machine's rapid, yet highly damped slide motions, as well as to its exceptional stiffness and repeatability.



Close-up Of Work Zone shows face clamping fixture, and diamond form roll (on standard Heavy-Duty Lift-up Dresser).



Pair of Model SN-115 CNC Water Pump Bearing Grinders, shown with full-enclosure guarding package.

Dressing System

Modern, super-rigid dressing system incorporating SNI's own Heavy-Duty Lift-up Dresser. The dresser requires no in-process adjustments, and can be arranged to accept single point diamonds, rotary-periphery discs, cup-style dressing wheels, or form rolls. Alternatively, the machine can be equipped with SNI's Heavy-Duty Radius Sweep Dresser.

CNC Controls

The latest in CNC control technology is mated with custom SNI grinding software, which covers most grinding applications with a fast, easy to understand user-interface. Programming and editing, fine-tuning and optimization of the grinding applications, and in-cycle adjustments are simply executed through the control and grinding software.

Options For The SN-115 Include:

- Various workholding options, including Shoe Centerless Tooling, face clamping, and chucking arrangements.
- A variety of automatic loading systems; SNI Quick-Change Loading Chutes.
- Belt-driven or High-frequency wheelheads available. Oil mist lubrication system ensures long, trouble-free life.
- Variable-speed wheelhead drive arrangement, including AC-drive and Inverter Duty Type motor. Eliminates time-consuming pulley changes, as well as providing constant surface footage.
- Linear scale feedback for both infeed-slide (X-axis) and table (Z-axis), providing 0.000004" resolution. diamond dressing media.
- Through-the-workhead in-process gaging.
- Full enclosure guarding package.
- Wheel quills, workholding equipment, other tooling to apply your workpieces to the SN-115.