

Product Highlight: 2SN-2XC CNC Chucker

The 2SN-2XC 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 multi-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.
- Simple, compact hydraulic power unit.
- Precision hand-scraped ways, guarantying years of precise slide movements.
- Comprehensive documentation.



Model 2SN-2XC CNC Chucker shown with Allen-Bradley 9/230 control option, in-process gaging, and full-enclosure guarding.

Dressing System

Modern, super-rigid dressing system incorporating SNI's own Heavy-Duty Lift-up Dresser. The dresser requires no in-process adjustments, and accepts the following styles of diamond dressing tools (sold separately):

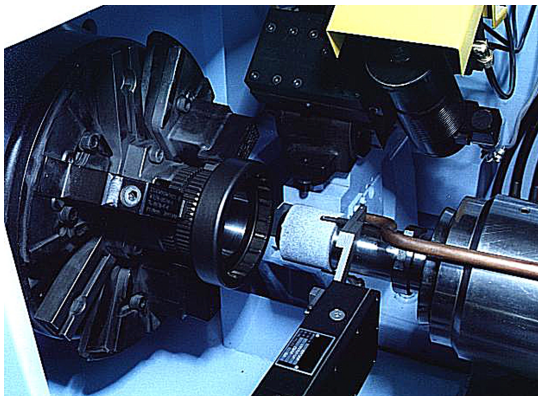
- Single Point.
- Rotary-Periphery Discs.
- Cup-style Wheels.
- Form Rolls.

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, storage and retrieval of programs, in-cycle adjustments, and trouble shooting via on-line diagnostics, are all simply executed via an English language menu.

Options For 2SN-2XC Include:

- Belt-driven wheelheads: Oil-mist lubricated, cartridge-style wheelheads ranging from 7,000 to 65,000 rpm.
- 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.
- High frequency drive arrangement, and high frequency wheelheads, for greater wheelhead speeds.
- Linear scale feedback for both infeed-slide (X-axis) and table (Z-axis).
- Dresser arrangements to accept most diamond dressing media.
- In-process gaging.
- Wheel quills, workholding equipment, other tooling to apply your workpieces to the 2SN-2XC.



Close-up Of Work Zone shows options specific to the application: Belt-driven wheelhead, rotary dressing disc (on standard Heavy-Duty Lift-up Dresser), diaphragm chuck, and in-process gage.