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Precision Grinding Machines

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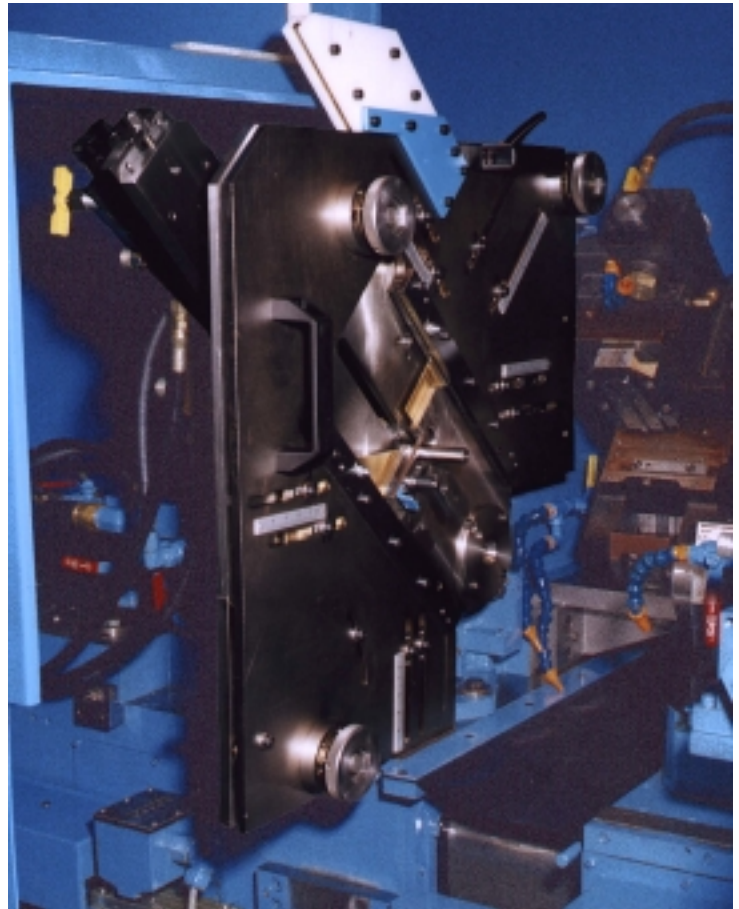
SNI SHUTTLE LOADER SYSTEM

- **Short cycle times with quick load/unload action.**
- **Improved uptime with easy changeover between workpieces.**

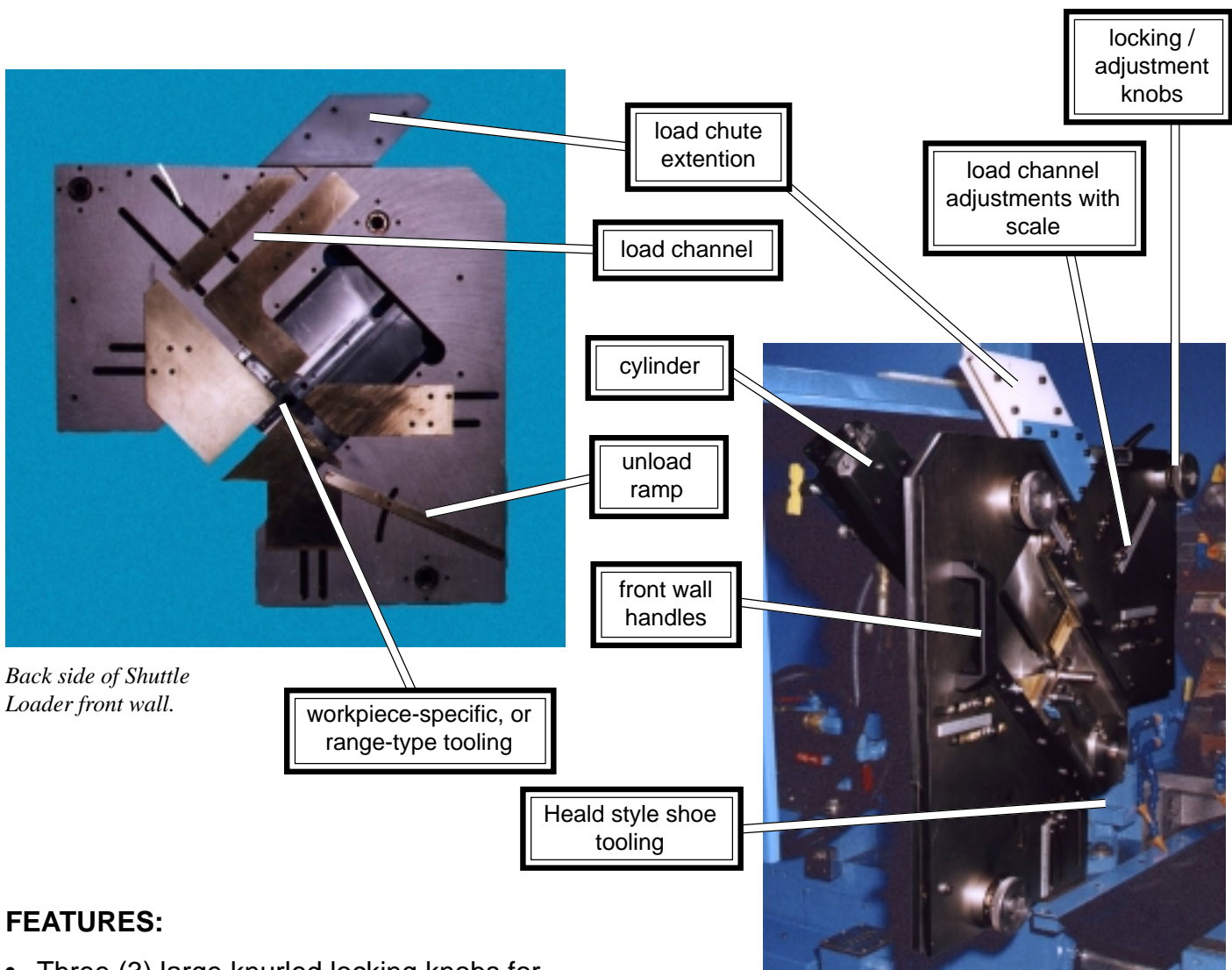
The SNI Shuttle Loader is designed to automatically load and unload bearing-type components quickly and efficiently, as well as to provide fast changeover between workpieces.

Available as a replacement for the traditional ejector/locator loaders on Heald CF grinders, the shuttle loader arrangement allows for the continued use of Heald style shoe mounting brackets, which can be set-up off the machine (on a tooling test stand) to further reduce machine downtime at changeover.

The workpiece is gravity fed into the part shuttle. The shuttle positions the workpiece for grind and remains with the workpiece throughout the grind cycle. Upon completion of the grind, the shuttle is reversed to its upper position, at which time the ground workpiece is released from the shuttle. This allows the next unground workpiece to be accepted by the shuttle, and the process is repeated. The unground workpieces in the load channels assist the gravity feed of the loader, and for the lightest workpieces additional coolant-flow assist can be implemented. Approximate load time is 1 to 1.5 seconds.



Better Solutions For Today's Grinding Challenges.



Back side of Shuttle Loader front wall.

SNI Shuttle Loader System

FEATURES:

- Three (3) large knurled locking knobs for securing/releasing the loader's front wall, as well as for making adjustments for workpiece width.
- Range-type and workpiece-specific tooling pieces optimized for ease of changeover and tooling cost impact.
- All tooling pieces are designed as simple and easy-to-manufacture.
- Rear-face location is maintained.
- Load channel adjustments for workpiece OD are made from the front of the loader.

Contact Service Network today to discuss your specific grinding application.



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