



# Universal 1000 Autoloader

## ■ Features

- Tray system mounted at the rear of the machine.
- Each tray holds up to 100 buttons or blocked parts (approximately 300 x 300 mm).
- Elevator system holds as many as 10 trays (1,000 parts) stacked for continuous running.



- 20 trays are provided with the system (10 running at the lathe; 10 at load and unload).
- Trays are easily inserted or removed during operation.
- Standard Data Input from keyboard, disk or host computer.
- Bar Coding or RFI compatible.
- Adaptable to most blocks, arbors, button sizes or custom molded applications used in the industry.

## ■ Description

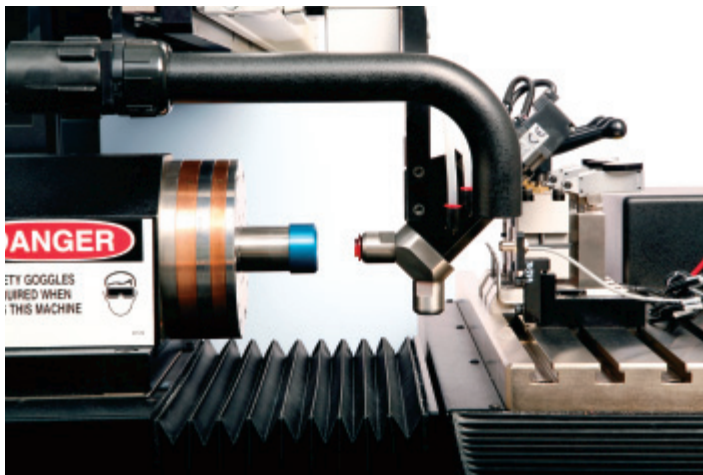
After data entry, the system indexes the elevator, positions the first tray and moves the tray to the X/Y loading station.

A “pick and place” arm removes the part from the tray and loads it into the spindle nose.

The loading arm has dual or quad end effectors for insertion and removal of either blocked parts or blanks from the spindle nose and the loading trays.

During the roughing cycle, the arm returns the cut part to the tray, picks up the next part and waits for the finish cut to be completed. This keeps load/unload time to a minimum.

All loader movement is completed prior to the start of a finish cycle to minimize vibration.



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