



REGULATED SYSTEMS, INC.
Industrial Automation Equipment

Since 1991

Automatic Part Feeders

Custom Machines

Handling Systems

Inspection Systems

Machine Tending Systems

Robotic Systems

BALL PRESS STATION

11-1



Station Overview

AVAILABLE OPTIONS:

- Air Over Oil Tank for fluid press motion
- Automatic Ball Feed and Escapement
- Calibration Masters
- Custom design to suit your requirements
- Force and Distance monitoring of ram head
- Various Electrical Control Packages

SYSTEM BENEFITS:

- Aids hazardous ergonomic considerations
- Allows increased production capacity
- Cuts part production labor cost
- Reduces scrapped parts
- Safety relay circuit protection of operator
- Simple easy to use and debug operation
- Utilizes modern automation
- Verifies and maintains part quality

MACHINE FEATURES:

Ball Pressed into Turbine Shaft Station with force and distance monitoring.

Shaft pocket nest holds shaft vertically and is pneumatically clamped and held into position. Ball is fed, escaped, blown, and strip shuttled over top of shaft for insertion.

Press is Air over oil for fluid motion during press operation and is monitored for press force with a load cell and distance with an LVDT.

Accept (Pass) Parts are ink stamped to identify them as such, while rejected (Fail) Parts are held clamped and requires operator intervention to remove and scrap.

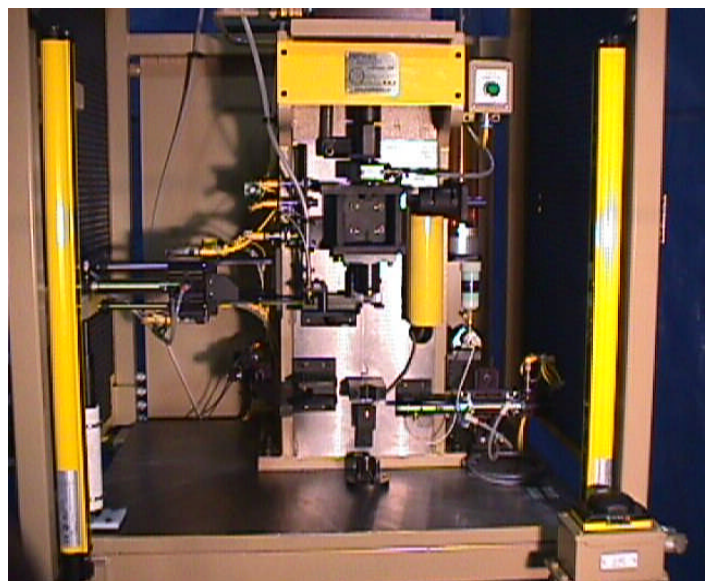
Operator interface panel located for easy set-up and operation.

Main control panel located in rear of station, away from the operator work area.

Open front design for ease of operation, operator protected with safety light curtain.

Zero force cycle start switch and cycle complete

Pilot indicator light.



Front of Press, Operator Loading Point