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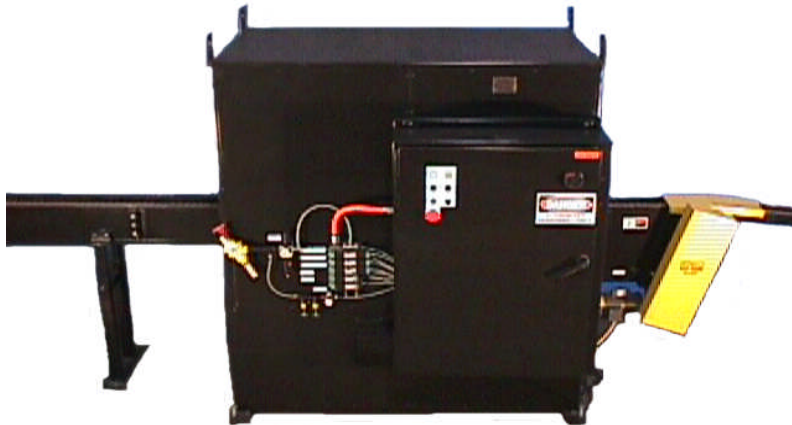
**REGULATED SYSTEMS, INC.**  
Industrial Automation Equipment

Automatic Part Feeders  
Custom Machines  
Handling Systems

Inspection Systems  
Machine Tending Systems  
Robotic Systems

## 2-D MARKER INSPECTION SYSTEM

10-1



**System Overview Showing Enclosed Machine  
Interlocked Access Doors are Located on Back Side**

### **MACHINE FEATURES:**

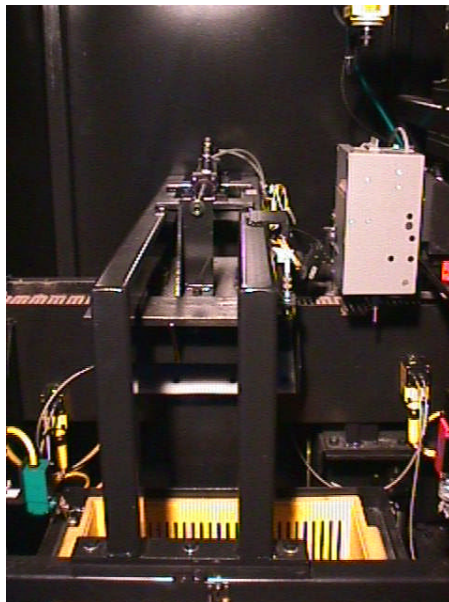
System shown identifies one of two Channel Plates (parts) being handled with a Checker Vision System.

The 2-D Matrix code is Marked on only the desired part. The other part pass thru system (Sorted).

Mark quality is verified with second Vision System.

Rejects are removed from line flow and captured in catch pan within the machine. Accept parts exit for end of line processing.

Enclosed system to block ambient light from vision systems, contain marker noise, and motion safety protection.



**Inside System Showing Marker Shuttle,  
Top Vision Inspection Camera, and  
Reject Spur Gate to Catch Pan.**

### **SYSTEM BENEFITS:**

Aids hazardous ergonomic considerations

Allows increased production capacity

Cuts part production labor cost

Economical automation

Maintains part quality

Reduces costly manual labor

Reduces scrapped parts

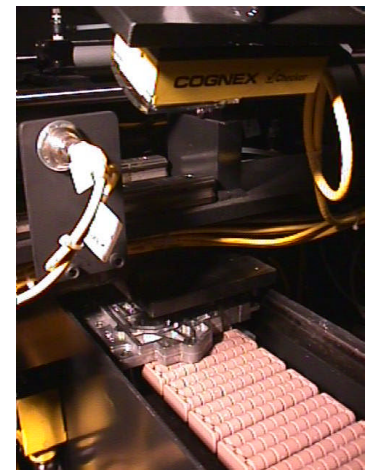
Reduced floor space requirements

Safety relay circuit protection of operator

Storage provides continued through put operation

Utilizes modern automation

Verifies and maintains part quality



**Incoming Parts Identified  
with Checker Vision System,  
Conveyor Low Friction  
Roller Top Chain Shown**