

Shamrock Engineering, Inc.



***Automated Assembly
and Test Systems***

Shamrock Engineering, Inc.

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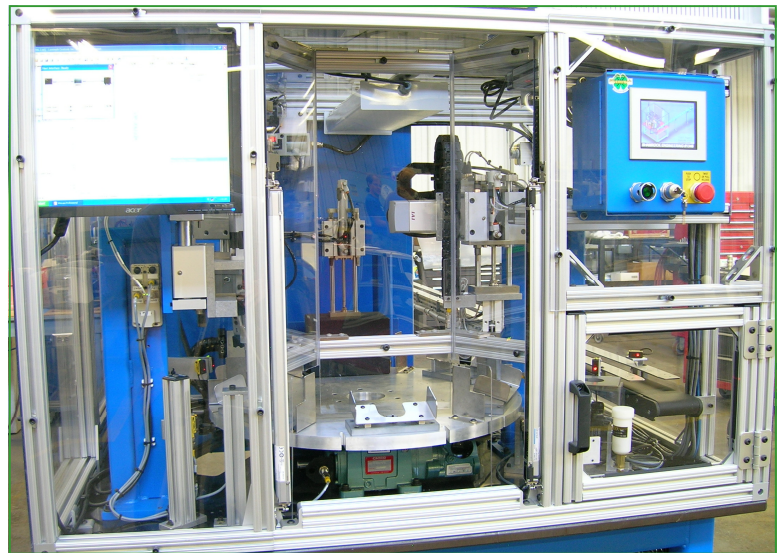
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Ordnance Processing Dial



This six-stop dial machine completes a number of pre-assembly processes on a mortar shell fuse assembly. An operator manually loads a part in the first station. When the operator clears the safety light curtain, the dial indexes automatically.

Automatic stations around the dial orient and seat the part, cut off two sprues from a previous potting operation, and laser mark the part with a 13-digit code. A vision station checks the code.

A second vision station checks that the part is in the “safe position.” Good parts are ink marked as tested before a programmable slide unloads the finished part to a conveyor for additional processing. Machine cycle time is less than 6 seconds.