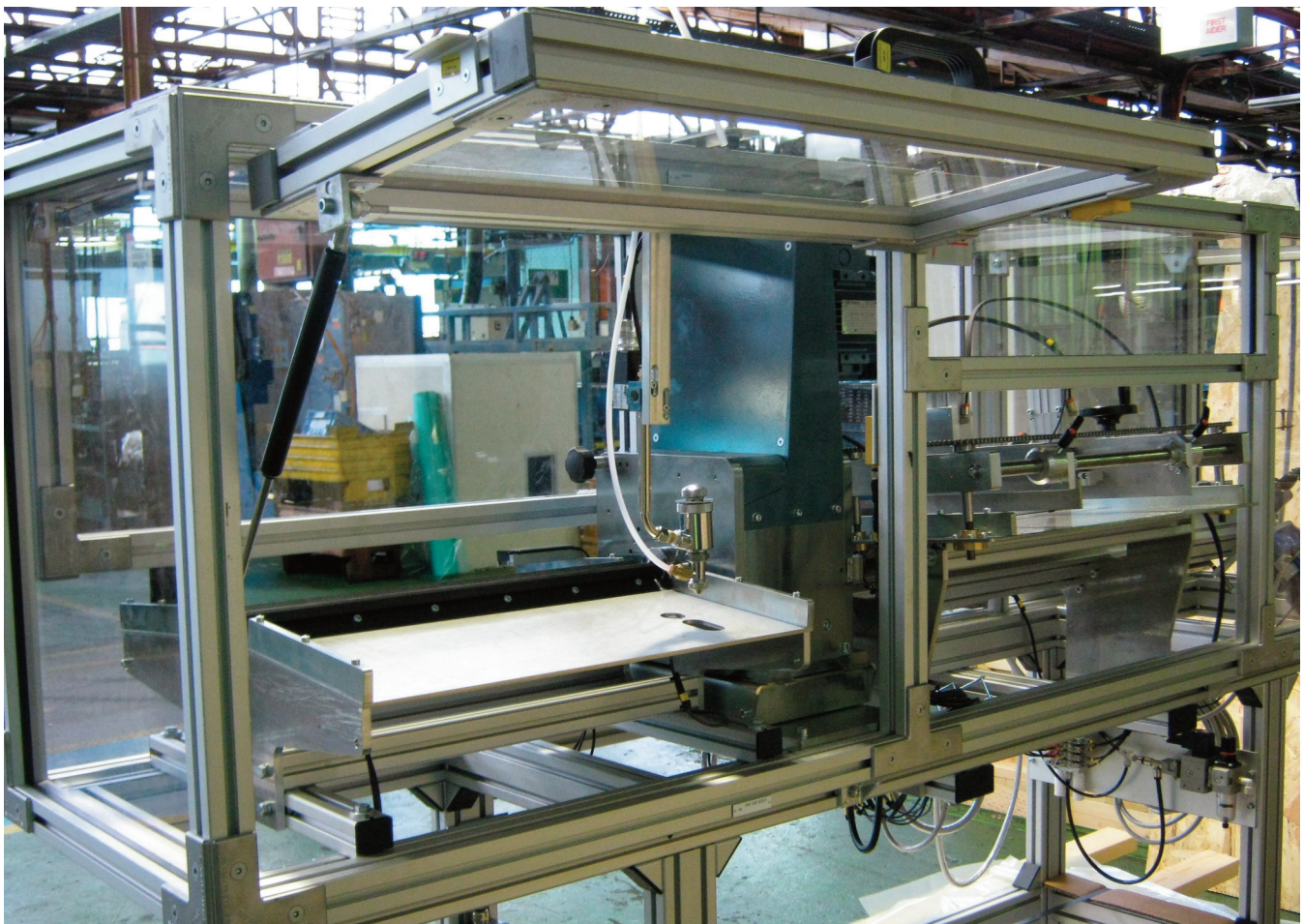


# Automated Systems for Strut Rod Testers

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MultiMac® Eddy Current Rotary & Electronics



# Rotary Eddy Current System to Detect Surface Defects in Strut Rods

- ❑ Long or short surface flaws such as very fine defects and scratches
- ❑ 10R 150 rotary
- ❑ Multimac® electronics with 2 channels
- ❑ Production capability of 600 rods/hour
- ❑ Diameter range of 3 to 38mm & Lengths of 200 to 600mm  
*other dimensions can be accommodated)*

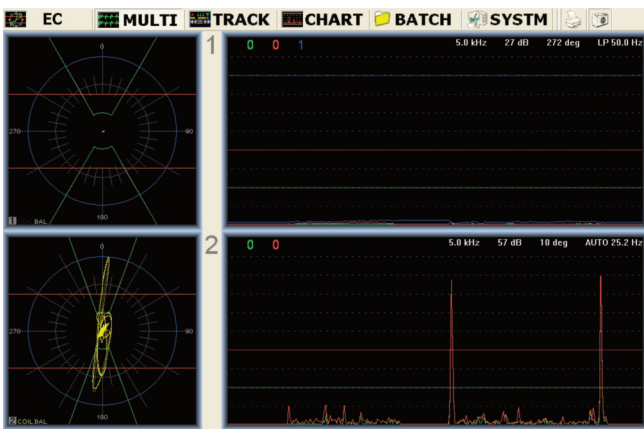
## System Description:



The parts are placed on a feed rack, where a release mechanism deposits one part at a time on the inlet conveyor. The part is fed through the eddy current rotary, where two probes rotate around the circumference of the part. This system

is set up to inspect only the areas of the parts you wish to inspect and avoid other areas that may contain dimensional variations for example.

Upon exiting the rotary, the parts are marked with a paint marker and separated automatically by throw-off attachments into accept and reject pockets.



The Multi Screen above, shows simultaneous polar and linear displays for two channels. The screen for channel 2 demonstrates that a defect outside the acceptable parameters has been detected. Also shown here is the rotary speed, piece number, length, and ft/min (or parts per hour).

## MultiMac Electronics:

This system includes a 2 channel MultiMac® Electronics in an environmental computer cabinet (shown bottom). It features a wide selection of parameter adjustments as well as special circuits for improved signal to noise. The MultiMac electronics enables the recording of test results for each of the parts tested.

The MultiMac electronics can be housed in a standard MultiMac Cabinet (shown below) which has a built in display monitor and slide-out keyboard, with additional outputs on the back for connecting to an optional external monitor. The MultiMac is a high-speed, industrial computer operating in a Windows® platform. It includes up to 8 test channels, full networking and remote viewing capabilities.



The Multimac is also available in a cabinet accommodating up to 8 channels and a built-in screen.