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## Mechatronics Troubleshooting, Siemens S7-1500 | Multimedia Courseware-

**Mechatronics Systems Troubleshooting - W33739-AA04UEN-E1**

Objective 2: Describe How to Troubleshoot Multi-Station Faults

### Multi-Station Faults

The first step in troubleshooting multi-station faults is to determine the faulted station. Isolating the failure to two possible stations is done by observing the product in each workstation.

The station that is not sending the product to the next station is the first station to suspect. The other station that may have failed is the one that receives the part. Observation of the process is used to isolate the fault to one station.

The diagram illustrates a multi-station conveyor system. It features three PLCs (Programmable Logic Controllers) connected to a conveyor belt. The conveyor belt is divided into three sections, each controlled by a PLC. The first PLC is connected to a motor that drives the conveyor. The second and third PLCs are connected to sensors that detect the presence of a part on the conveyor. Handshaking signals are shown between the PLCs, indicating the flow of information and control signals. A red arrow points to the 'Handshaking Signals' label.

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## Multimedia Courseware-Mechatronics Troubleshooting, Siemens S7-1500: M33739

**Warning:** foreach() argument must be of type array|object, null given in `/var/www/vhosts/amatrol.com/httpdocs/wp-content/themes/kallyas-child/dkpdf/dkpdf-index.php` on line 193

**Additional Info**

## Additional Requirements

- Computer ([See Requirements](#))
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