Food processing and packaging professionals are familiar with the many benefits of integrating x-ray inspection in their operations. At the same time, federal regulations that govern these industries are becoming increasingly stringent.

Each state requires radiation safety training for all employees who work around an x-ray machine. Many facilities require dedicated individuals on site who are responsible for ensuring the safe operation of each x-ray inspection machine and that all state radiation safety laws have been met. Non-compliance of the FDA and State Radiation Safety Training regulation may result in substantial fines until training requirements are met.

METTLER TOLEDO Safeline offers several comprehensive training programs designed to ensure your facility is compliant with federal and state regulations. These classes can be tailored to match your individual facility's needs.
The training modules below are available from our service experts for METTLER TOLEDO x-ray product inspection equipment.

<table>
<thead>
<tr>
<th>Course Overview</th>
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<tbody>
<tr>
<td>Trainer</td>
</tr>
<tr>
<td>No. of participants</td>
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<tr>
<td>Location</td>
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| Duration and Style | **Operator Radiation Safety Training:** Approximately 2-3 hours per session depending on training requirements; multiple training sessions - 8 hours total; all classroom setting  
**Radiation Safety Officer Training:** Approximately 8 hours, depending on training requirements; classroom and hands-on in front of machine  
**Written Radiation Protection Plan:** Approximately 8 hours encompassing plan development, training and site survey |
|                 | The above classes can be combined to suit your individual needs. |

| X-Ray Operator Radiation Safety Training | • Theory of operation - What is radiation?  
• Sources of natural and artificial radiation  
• Breakdown of radiation sources  
• Health damage caused by radiation  
• Inspection vs. irradiation of food  
• Radiation safety design features of Safeline systems  
• 25 question exam |
| Radiation Safety Officer Training | • Brief overview of radiological fundamentals and x-rays  
• Responsibilities of the Radiation Safety Officer  
• Cabinet X-ray Regulations (FDA 21 CFR 1020.40)  
• Registration requirements for cabinet x-ray systems  
• Standards for Protection Against Radiation Regulations (10 CFR 20 or State Equivalent)  
• Notice to employees – Instructions to radiation workers  
• Radiation Safety Officer action items  
• 50 question exam  
• Certificate issued upon course completion |
| Written Radiation Protection Program (Customer and state specific) | • A prepared written Radiation Protection Program specific to customer and appropriate state regulations  
• Includes training materials and written exam  
• Includes procedures, checklists, and other resources |