# CDD Xray Product Platfrom

Complete program of Xray system components designed to deliver a comprehensive range of End-of-Line inspection systems to equipment manufacturers. 
 
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 Based upon its many years of experience, Cheyney has developed a fully integrated product platform for the deployment of a comprehensive range of end-of-line Xray inspection systems. Having been in this industry since its inception, the team at Cheyney posses a unique understanding of the physics and engineering of the equipment, along with a true appreciation of the importance of high reliability design. 
The Platform provides the key elements of any automatic Xray system, including Xray generation at different power levels, linear and formatted Xray detectors, safety and control systems, image processing hardware and a comprehensive software framework. The modules all feature integrated diagnostics and data logging, with the very latest in storage and big data support. The designed-in compatibility of all the elements of the platform provides certainty of risk-free product development. Hitherto, this has been unavailable to system designers drawing component parts from different sources. 
Included in the range are a family of compatible modules which will allow competent design of a variety of systems for all types of automatic inspection requirements. Among these are single and multi lane systems for packaged products, bulk-flow machines, pipeline Xray systems and high speed systems for rigid container inspection such as glass jars and cans. 

SPECIFICATIONS 
<ul>
<li>Xray Generators 
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<li>Air-cooled monoblocks </li>
<li>Recirculating oil-cooled monoblocks </li>
<li>Metal ceramic generators </li>
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<li>Xray Detectors 
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      <li>Linear diode arrays, APS area sensors, TDI </li>
      <li>CameraLink, RS422 LVDS, GigE </li>
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    <li><b>Image Acquisition </b>
    <ul>
      <li>Range of acquisition cards / frame grabbers </li>
      <li>Onboard pre-processing </li>
      <li>PCI and PCI Express </li>
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    <li><b>Xray Control systems </b>
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      <li>Fully integrated sub-systems </li>
      <li>Covers all requirements for interfacing </li>
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    <li><b>Software Framework </b>
    <ul>
      <li>Includes all core image handling functions </li>
      <li>Full API for all functional blocks </li>
      <li>Configured for differentiating plug-ins</li>
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