

CUSTOM SOLUTIONS INSPIRED BY THE MASTER INVENTOR™



*"Experience is a truer guide
than the words of others"*

Da Vinci

At Rad Source NDT, our approach to custom machine design is influenced by the analytical rigor and inventive thinking reminiscent of Leonardo da Vinci. We prioritize precision, functionality, and adaptability, focusing on delivering NDT solutions that directly address the specific challenges and requirements of our clients. Our engineering process is a blend of meticulous analysis and creative problem-solving, ensuring that each custom-built machine is not merely a piece of equipment but a tailored solution designed to enhance inspection accuracy and efficiency.

Incorporating a da Vinci-inspired perspective, we emphasize innovation within the framework of practical application, aiming to solve complex NDT challenges with solutions that are both effective and elegantly engineered. Our commitment to excellence and detail means that when you choose Rad Source NDT, you're engaging with a team dedicated to providing solutions that meet the high standards of today's industries, backed by a deep understanding of NDT technology and its application in real-world scenarios.

CUSTOMIZATION OPTIONS

At Rad Source NDT, we collaborate closely with you to identify your specific needs. Our customization options are expertly designed to enhance your operational productivity. Each technology we offer is engineered to meet your unique requirements, ensuring you achieve optimal efficiency and precision in your processes.

Custom Cabinets and Lead Rooms: Designed to ensure safety and efficiency, built to protect operators and the environment while facilitating high-quality imaging. Cabinets and Lead Rooms meet CDRH 21CFR1020.40 standards.

Automatic Defect Recognition (ADR): Intelligent software capable of detecting and categorizing defects, increasing the speed and reliability of your quality assurance and reducing the need for inspection personnel.

Inline Automation: Designed for seamless integration into your manufacturing process, enhancing productivity without sacrificing quality.

Pass-Through Inspection: Inspect large volumes of parts quickly, with the ability to adapt to various sizes and complexities without compromising on detection accuracy.

Manipulation: We offer sophisticated manipulation systems that allow for precise positioning of parts, ensuring that every angle is inspected thoroughly.

System Upgrades: Keep your equipment at the forefront of NDT technology, ensuring longevity and ongoing compliance with industry standards.

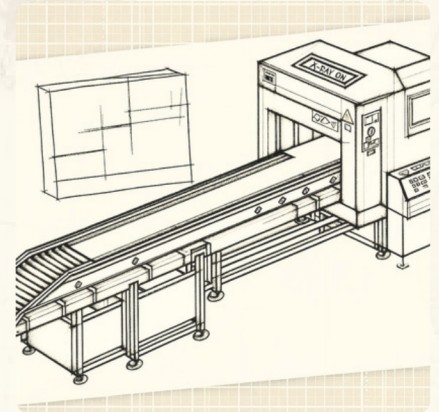
CUSTOM SOLUTIONS SERVICES

Rad Source NDT specializes in creating tailored X-ray inspection solutions designed to meet the unique needs of each client. Our process is thorough and collaborative - ensuring the final system perfectly addresses specific inspection challenges.

SERVICES - BEFORE THE ORDER

Laying the groundwork for the perfect X-ray solution

We understand that every manufacturing operation has its own distinct inspection needs. That's why the first four phases of our process are centered on collaboration and in-depth analysis.



1. INITIAL CONSULTATION

The journey towards a custom X-ray inspection solution begins with an initial consultation. During this foundational step, our team works closely with you to understand your unique requirements challenges.

We explore key questions about your manufacturing processes, anticipated personnel shortages, the size and type of parts produced, your desired timeline, whether every part needs inspecting or only samples, your criteria for pass / fail, and the required image quality.

This phase ensures that we fully grasp your needs and expectations, laying the groundwork for a solution that addresses them.

2. IMAGE ANALYSIS

Following the consultation, we offer a complimentary image analysis. You are invited to send in sample parts for us to examine using our advanced imaging technology. This critical step allows us to identify any existing defects and assess the intricacies of your parts.

The insights gained from the image analysis guide us in crafting a custom solution that not only detects the identified issues but is also perfectly adapted to your specific requirements.



3. SOLUTION DESIGN

Whether we upgrade an existing system or conceptualize a completely new solution, the design phase is where your custom X-ray inspection solution begins to take shape.

We consider whether an existing lead-protected room is adequate for your operations and the size of the unit that would best suit your needs. Other considerations include ADR requirements, the required throughput, and the placement within your manufacturing process.

Following a thorough design review of the preliminary concept with you to ensure all needs are accurately captured, we finalize a solution design that meets all your specifications.

4. CUSTOM PROPOSAL

With the design in hand, we move to the proposal stage, where we provide you with a detailed cost estimation and a concept drawing of the envisioned solution.

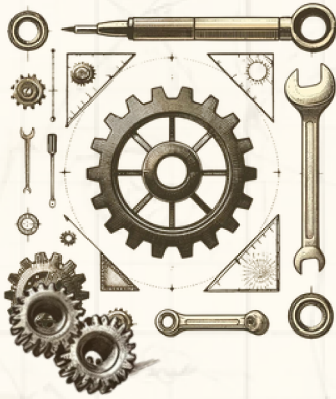
Upon your approval and order placement, we proceed to the next critical phase of engineering and manufacturing your custom X-ray inspection system.



SERVICES – AFTER THE ORDER

From Blueprint to Operational: Building Your Custom Solution

With the design approved, it's time to transform your custom solution from concept to reality. RAD Source NDT's expertise shines in these steps, ensuring precision, safety, and seamless integration into your operations.



5. ENGINEERING + MANUFACTURING

During the engineering and manufacturing phase, our team of experts develops detailed designs and drawings, followed by the assembly of your custom unit.

This step is where the conceptualized solution is brought to life, ensuring every component and specification is crafted to meet your exact needs.

6. QUALITY ASSURANCE

Quality assurance is paramount. We conduct a comprehensive radiation survey to ensure the safety and efficacy of your custom solution. Additionally, a proof-of-concept testing phase validates the system's performance, ensuring it meets your specified requirements and our high standards of quality.



7. INSTALLATION + TRAINING

Upon successful quality assurance, we proceed with the installation of your custom X-ray inspection solution. Our team provides thorough training to ensure your staff is fully equipped to operate the system efficiently. The handover marks the completion of the setup process, with the solution now fully integrated into your operations.

8. After-Sales Support

Our commitment to you extends beyond installation. We offer extensive after-sale support, including remote troubleshooting, annual preventative maintenance, service calls, and the opportunity for continuous feedback.

This ongoing support ensures the longevity and effectiveness of your custom solution, with a focus on continuous improvement to meet your evolving needs.



"Learning never exhausts the mind" - Da Vinci

INDUSTRIES SERVED



Aerospace



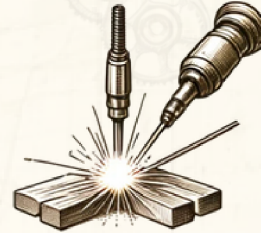
Defense



Construction and Infrastructure



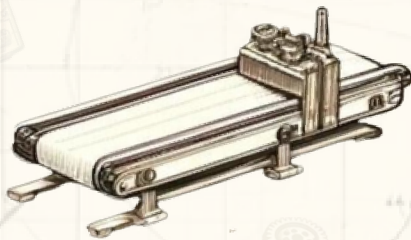
Automotive



Welding and Casting



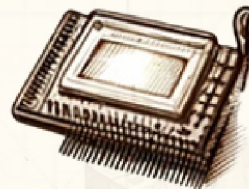
Oil, Gas, and Nuclear



Manufacturing



The Arts



Electronics



Medical

WHY WORK WITH RAD SOURCE NDT?

Technical Expertise and Experience

Proven Track Record

Our proven track record with successful installations and satisfied clients ensures the reliability and quality of our custom-built NDT machines.

Quality and Reliability

Our commitment to using high-quality materials and components ensures the reliability and longevity of our custom-built NDT machines. Rigorous testing procedures guarantee flawless performance under real-world conditions.

Customization Capability

Our expertise lies in creating truly customized NDT solutions. We adapt seamlessly to your specific application, materials, and inspection goals.

Compliance and Certification

Our compliance with industry standards, including ASME, ASTM, and ISO, ensures the safety and reliability of our machines.

Additionally, our certifications related to safety, quality, and environmental standards provide further assurance of our commitment to excellence.

Enhanced Service and Support:

After-Sales Excellence

Our dedicated team stands ready to assist you after installation with 24/7 service. We understand that downtime is costly, which is why our prompt service ensures minimal disruptions. Whether you need troubleshooting, repairs, or spare parts, count on us to be there when you need us most.

Technical Expertise at Your Fingertips

Navigating the intricacies of NDT machinery can be daunting. That's why we offer comprehensive technical assistance. Our experts are just a call away, ready to guide you through any challenges. Rest assured, you're never alone in maximizing the potential of your NDT machine.

Empowering Your Team

Knowledge is power. Inquire about our tailored training programs designed to empower your team. From operation to maintenance, we equip your staff with the skills needed to harness the full capabilities of NDT equipment. Well-trained operators lead to efficient workflows and accurate results.

Choose more than just a product builder - choose a solutions partner committed to your success. Contact us today to explore how our service and support elevate your NDT experience.




RAD SOURCE NDT

The Science of Seeing the Unseen™



Da Vinci

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