Asia Pacific Industrial Computed Tomography - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

Market Report | 2025-04-28 | 100 pages | Mordor Intelligence

AVAILABLE LICENSES:

- Single User License $4750.00
- Team License (1-7 Users) $5250.00
- Site License $6500.00
- Corporate License $8750.00

Report description:

The Asia Pacific Industrial Computed Tomography Market is expected to register a CAGR of 8.6% during the forecast period.

Key Highlights
- With the introduction of new technologies, laminated modeling based on 3D printing has dramatically developed. As end-users integrated 3D printing into the manufacturing process, the 3D printing process evolved from the prototype stage to the manufacturing stage. As additive manufacturing increases, the need for radiography increases, and CT is the end user's favorite x-ray inspection technology.
- An increasing number of industries, including automotive, have discovered that X-ray CT scanning is an essential tool for ensuring the highest quality in the production of industrial parts, such as mechanical parts, cast metals and composites, and plastic materials. In addition, industrial CT scanners are used in various region manufacturing processes and assembly operations in the region.
- Governments in the region are also focused on innovating new technologies for industrial computed tomography. For instance, in April 2022, the government of Japan plans to conduct research and development to build a large-scale computer tomography (CT) system for industrial products at the International Education and Research Center, scheduled to be fully opened in Fukushima Prefecture in 2024. The proposed method can take large X-ray images of cross-sections of cars and planes to reproduce 3D models without disassembly.
- Most of the technical challenges of industrial CT over the last few years have been software-related. At this point, the most significant setbacks where CT will become mainstream are supply chains and major OEMs that do not have the requirements and standards that enable confidence in technology and results.
- The region has been hit hard by the COVID-19 pandemic, factory closures, supply chain disruptions, and economic slowdowns. These aspects have hindered the growth of regional markets for some time. However, regional market growth post-COVID-19 is

likely due to the increased use of industrial CT systems for testing and inspection purposes in various industries such as aerospace, defense, electronics, and automotive.

APAC Industrial Computed Tomography Market Trends

Automotive to Gain Significant Growth in the Region

- The automotive industry integrates some of the most quality-critical products, from small electronic sensors to fully-compound parts of a vehicle. Most companies have X-ray and CT systems designed with efficiency and reproducibility to ensure that the equipment operates safely and correctly every time. To save time and money, automotive manufacturers choose CT equipment to inspect significant components such as turbines and piston engines in a single pass.
- Every year, millions of cars are manufactured and sold in the region with rising population and urbanization. To maintain this high production rate, the entire supply chain must be efficient, and each subcontractor must provide both quality and quantity on time. Automation is now well implemented worldwide in the automotive industry and is adapting to robotized production lines by using computed tomography as it needs to be fast, accurate, and robust.
- According to a recent study, the rapid development of the high-end equipment industry in high-speed rail, large aircraft, automotive, rockets, and nuclear power in China has increased the demand for high-quality assurance of keys. The main features of these high-end CT scans are large dimensions, high quality, complex structures, and special manufacturing techniques.
- Today, the automotive sector uses many well-known test technologies to verify manufacturing processes, improve assembly, ensure reliability, and measure deviations. They all have limitations, strengths, and weaknesses, and a new and innovative way to complete them is to use XRay CT. It is a non-destructive inspection (NDT) technique that enables industrial measurement professionals, quality managers, or academic researchers to work directly or indirectly. The automotive industry allows them to improve their capabilities.
- Moreover, manufacturers can ensure that the right amount of fuel is delivered at the right time by inspecting the CT scans. Also, industrial CT scans will still drive the market to streamline automotive manufacturing techniques. However, the future of scanners will be bright and bring a paradigm shift to the manufacturing industry in the region.

Rising Demand for Portable Radiography Equipment

- The requirements and benefits of industrial radiography, the availability of critical equipment, a wide range of working conditions, and commonly used techniques involve powerful gamma-ray sources and routine operation and exposure of x-ray equipment used for industrial purposes in the region.
- Today, high-quality x-ray images are no longer a problem for portable industrial x-ray equipment. State-of-the-art high-frequency technology provides high performance in a miniature format with only standard power connections. The lightweight, user-friendly operation and integrated interface for using X-ray equipment in digital systems enable various inspection methods in the NDT industry.
- Further, many companies are focused on developing innovative radiography equipment for various applications. For instance, Vision Medicad Equipments Pvt. Ltd. offers Portable X-ray equipment, including portable X-ray scanners and portable X-ray appliances for welding.
- These portable devices are easy to use and are offered at market-leading prices, and are available in a variety of models that are easy to move around. The company's VisionVIXI portable X-ray security inspection equipment is widely used in government buildings, train stations, courts, and embassies.
- Similarly, Pacific-Tec, Singapore offers a broad spectrum of Portable Radiation Detection Instruments such as Radiation Portal

Monitors, Radiation Detectors, Survey Meters or Geiger Counters, Electronic Dosimeters, Pen Dosimeters, Search Instruments, Isotope Identifiers, Radiation Shielding and Protection, Nuclear Medicine Calibrators and accessories, QC test tools or X-ray equipment for Radiology departments or X-Ray Security equipment for border control, embassies, hotel security, and luggage check. Companies offering such equipment in the region will leverage the market in various applications such as aerospace, automotive, oil and gas, and more.

APAC Industrial Computed Tomography Industry Overview

The Asia Pacific computer monitor market is fragmented by the presence of major companies such as Baker Hughes Digital Solutions GmbH, Nikon Corporation, Omron Corporation, and Hitachi Ltd. Key players focus on new product innovation and business growth by collaborating with other market players.

- September 2021 - Shimadzu Corporation has launched its new Xslicer SMX-1010 and Xslicer SMX-1020 microfocus X-ray inspection systems in Japan and other countries. Both X-ray inspection systems are designed for broad market appeal, with a vertical emission X-ray configuration, a 90 kV microfocus X-ray generator, and a high-resolution flat panel detector.
- March 2021 - Nikon Corporation announced the release of a 225kV, microfocus X-ray CT system that is 'XT H 225 ST 2x'. Advanced improvements have been made by the company in its new 'XT H 225 ST 2x'. The product helps both the exterior and interior of a sample to be inspected and measured non-destructively.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

Table of Contents:

SCOTTS INTERNATIONAL

Asia Pacific Industrial Computed Tomography - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

Market Report | 2025-04-28 | 100 pages | Mordor Intelligence

To place an Order with Scotts International:

- - Print this form
- - Complete the relevant blank fields and sign
- - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User License	$4750.00
	Team License (1-7 Users)	$5250.00
	Site License	$6500.00
	Corporate License	$8750.00
	VAT	
	Total	

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*		Phone*	
First Name*		Last Name*	
Job title*			
Company Name*		EU Vat / Tax ID / NIP number*	
Address*		City*	
Zip Code*		Country*	
		Date	2026-02-26
		Signature