

# ADANI - the leader in innovations

ADANI was founded in 1991 by Vladimir Linev, PhD, a full professor, and specialist in applied nuclear physics. As a scientist, inventor and author of over 150 patents, Vladimir Linev is a cutting edge engineer and entrepreneur focusing ADANI on innovation, effective R&D and agile manufacturing.

ADANI is a highly innovative knowledge-intensive industrial enterprise where innovations and technologies are converted into unique technical solutions and world class products.

For over 20 years ADANI has been involved in the research, development and manufacturing of hi-tech, science-based equipment for medical radiology, X-ray inspection, X-ray non-destructive testing, radiation control and ESR spectrometry.

Currently ADANI operates in 3 major fields:

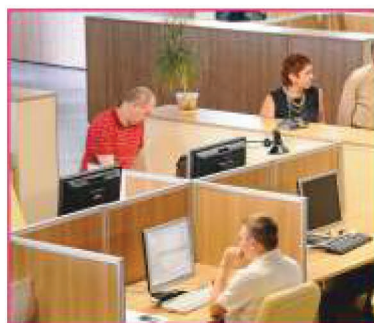
**Medical X-ray equipment.** ADANI offers new solutions for the intensively developing market of digital radiography and X-ray screening. The patented scanning technology of digital X-ray image acquiring forms the basis for the design of the majority of ADANI's systems. This technology

provides access to the most modern achievements and most effective results in this field for a wide range of users.

**Security screening and inspection systems.** ADANI offers a unique model range of systems for body screening, baggage inspection, cargo and vehicles inspection. In 1998 ADANI patented and implemented the micro-dose X-ray projection technology for full-body screening. Today the COMPASS full-body personal X-ray inspection system has proved its high efficiency against crime and terrorism in many countries and has become a standard security device in several spheres of life.

**Analytical equipment.** ADANI offers a unique automatically controlled compact single unit Electron Spin Resonance (ESR) spectrometer to serve various scientific and practical purposes, as well as compact gamma and beta analyzers for the examination of food and building materials.

ADANI receives over 50 patents worldwide illustrating that innovations are at the core of the company's activity - the history of the company is actually the history of innovations.



# ADANI diagnostic X-ray systems built on the state-of-the-art advanced imaging technique

---



**ADANI Advanced Scanning Technologies.** ADANI is the world leader in super low-dose and cost-effective digital X-ray slot-scanning systems for both medical and security markets. When developing new apparatus, we use safe and innovative technologies which result in reducing the harmful effect of the X-radiation on the patient and also providing a high quality image to support the clinical diagnosis or screening effectiveness.

**ADANI Advanced Post-Processing Technique.** ADANI has developed advanced image processing algorithms, which deliver consistent quality of images of different body regions and patient sizes. Additional manual processing of the image is no longer required. Both bone and soft tissues are displayed on the same image simultaneously with the highest possible level of spatial resolution and contrast.

**The ADANI Product Line.** ADANI's digital radiography systems deliver unsurpassed image quality for screening and diagnostic applications. ADANI has created a wide range of multipurpose radiography and fluoroscopy systems that focus on producing high quality X-ray images while keeping the patients exposure to radiation at a minimum level.

## **These include:**

- ▶ Multi-purpose radiography systems for the examination of patients in the standing, sitting and lying positions
- ▶ Special digital chest radiography system for mass screening
- ▶ Low-dose full-field digital mammography systems for screening, diagnostics and stereotactic biopsy
- ▶ Mobile chest and mammography units (mounted on a special insulated van body)
- ▶ Digital mobile X-ray systems for use in wards
- ▶ Whole-body radiography system for emergency use
- ▶ Digital fluoroscopy and radiography systems based on a remote-controlled table
- ▶ Panoramic and cephalometric dental systems