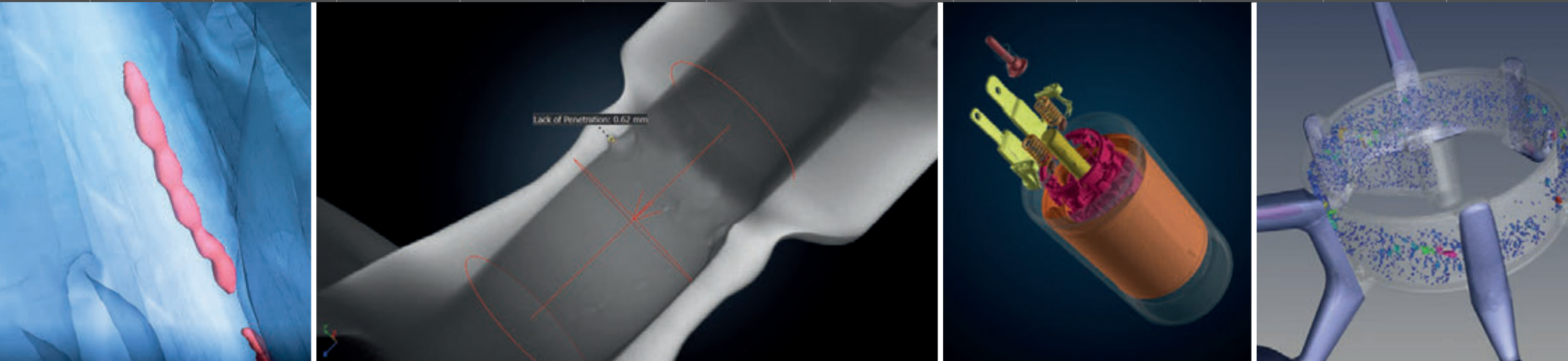
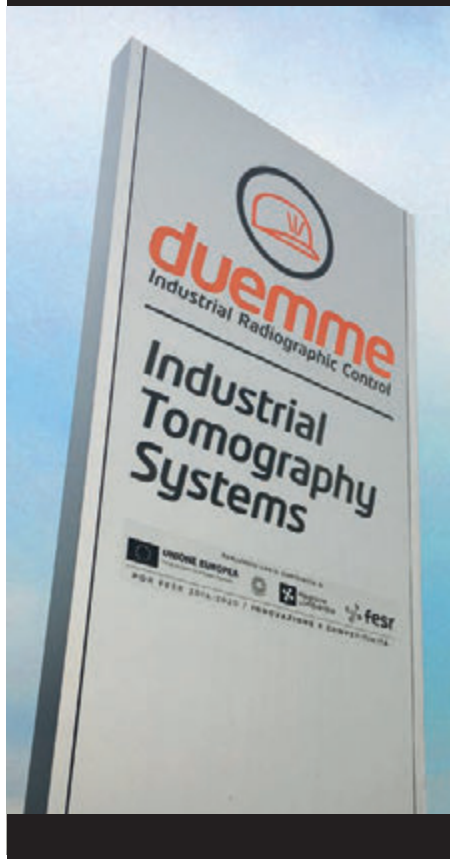


MORE THAN RADIOGRAPHY



Industrial Tomography System

***The new division
that brings out all of
DUEMME SPA's
innovative and
technological fabric***



Becoming the avant-garde in an industry means equipping yourself with the most advanced technology, and it is based on this principle that DUEMME SPA has invested in a high-power computed industrial tomography system capable of providing an exclusive service alongside the other company divisions with the usual reliability and eye for details.

An extremely technological system installed in a modern facility of over 400 sq. m that combines rapid inspection, power, precision and lets you do tomographic scans even on large samples with resolution up to 50 microns.

Through this new division, the company pairs conventional inspection methods with sophisticated volumetric analysis instruments, which paired with the skill and experience of specialised technicians provide essential diagnostic and assessment elements in terms of defectiveness, dimensional conformity and 3D reconstruction.

The most innovative technology in the field of inspections and diagnostics which is also a fundamental tool to research and development.

Industrial Tomography System

Technology, innovation and reliability in over 400 m²

Sprawling across over 400 m²,
the DUEMME SPA Tomographic Centre
is a technological partner
and hub for clients that seek
reliability and innovation.



MODERN FACILITY OF OVER 400 m²

Industrial Tomography System

**Advanced technology, large size,
one-of-a-kind reliability!**

Tomographic System

450 KV 1500 W

Focal spot 0.4 mm

Flat Panel 400 x 400 mm

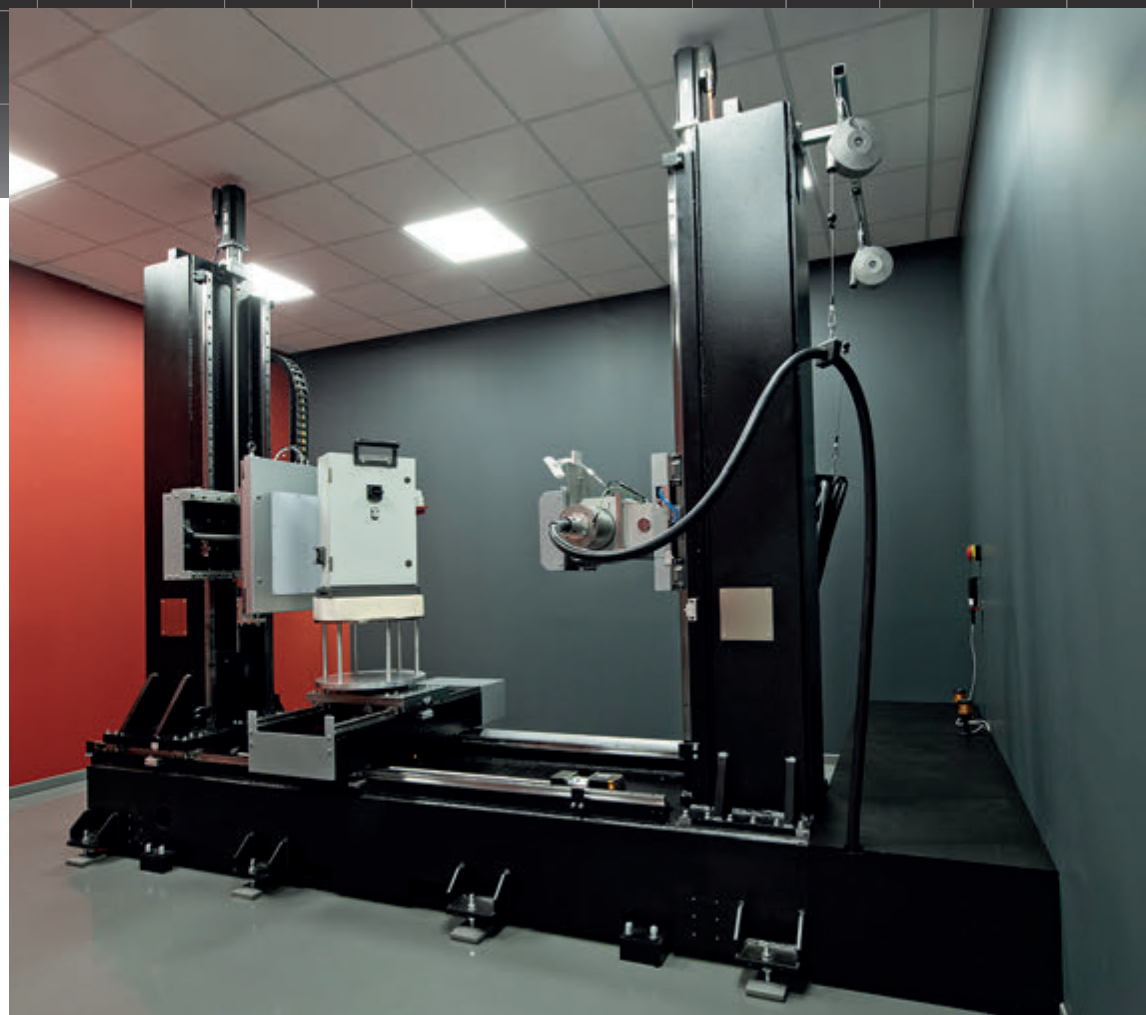
200 μ m pixel pitch

SDD 1800 mm

Scannable volume D 600 x H 1500 mm

Weight of the samples up to 400 kg

For this corporate division
and to extend its services, DUEMME SPA
chose Bosello Technology Zeiss Company
as its technological partner.



42 m² BUNKER FOR ANALYSIS ON LARGE-SIZED SAMPLES

Industrial Tomography System

Interactive technology to experience the whole spectrum of tomography

A cutting edge multimedia room with its 86" screen lets you share in a unique way, delving into the results of the investigations, fostering interaction with the client and offering innovative ways to experience tomography.



MULTIMEDIA ROOM WITH 86" SCREEN

Industrial Tomography System

The Tests You Can Perform

Viewing of internal defects in terms of cracks, porosity, inclusions and density changes

The three-dimensional geometric reconstruction of the inner and outer parts

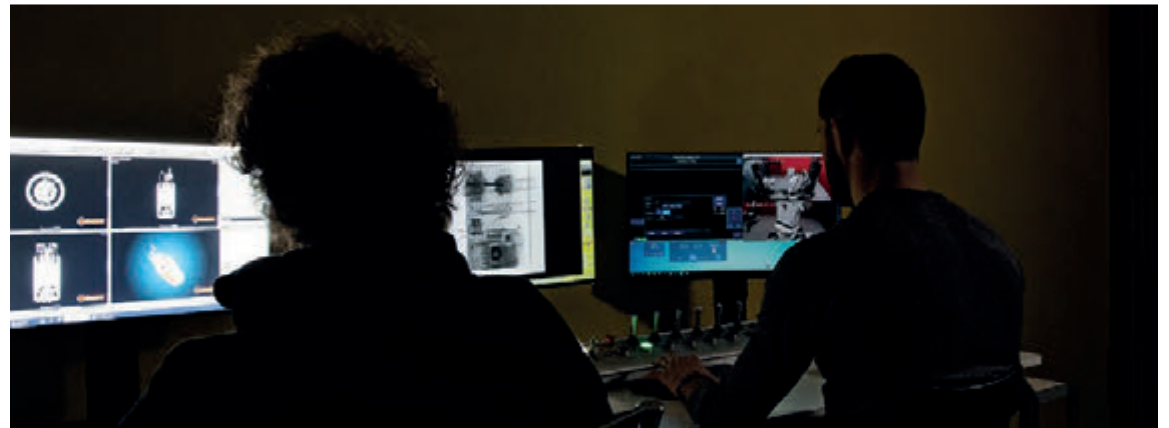
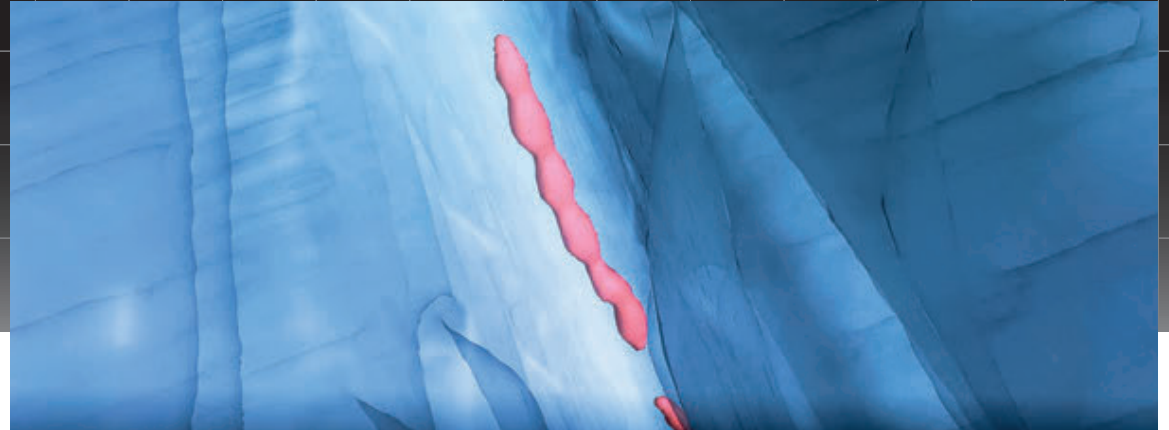
Dimensional analysis and reverse engineering

Thickness analyses

Analysis of inaccessible components

Viewing of the means of joining the various parts of an assembled product

Viewing of the defects linked to the assembly or operation of the component



Industrial Tomography System

Fields of application

Automotive

Aerospace

Energy

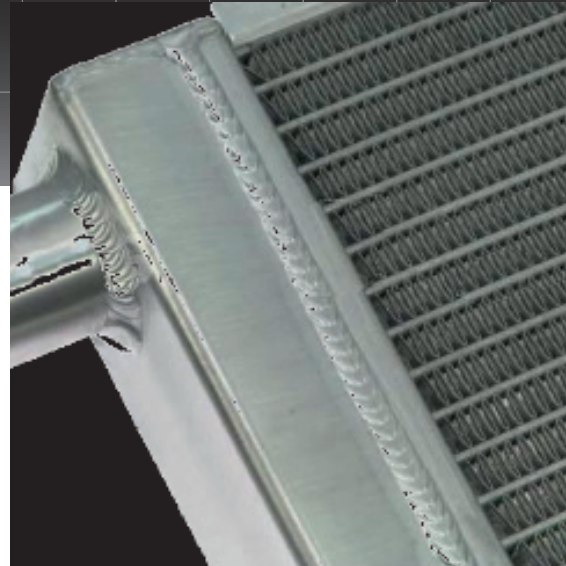
Biomedical

Electronics

Metals

Composite material and plastic

Additive manufacturing



Industrial Tomography System

Examples

ANALYSIS OF DEFECTS AND IDENTIFICATION
OF CRITICAL DEFECT

DIMENSIONAL ANALYSIS AND CAD COMPARISON

WELDING ANALYSIS

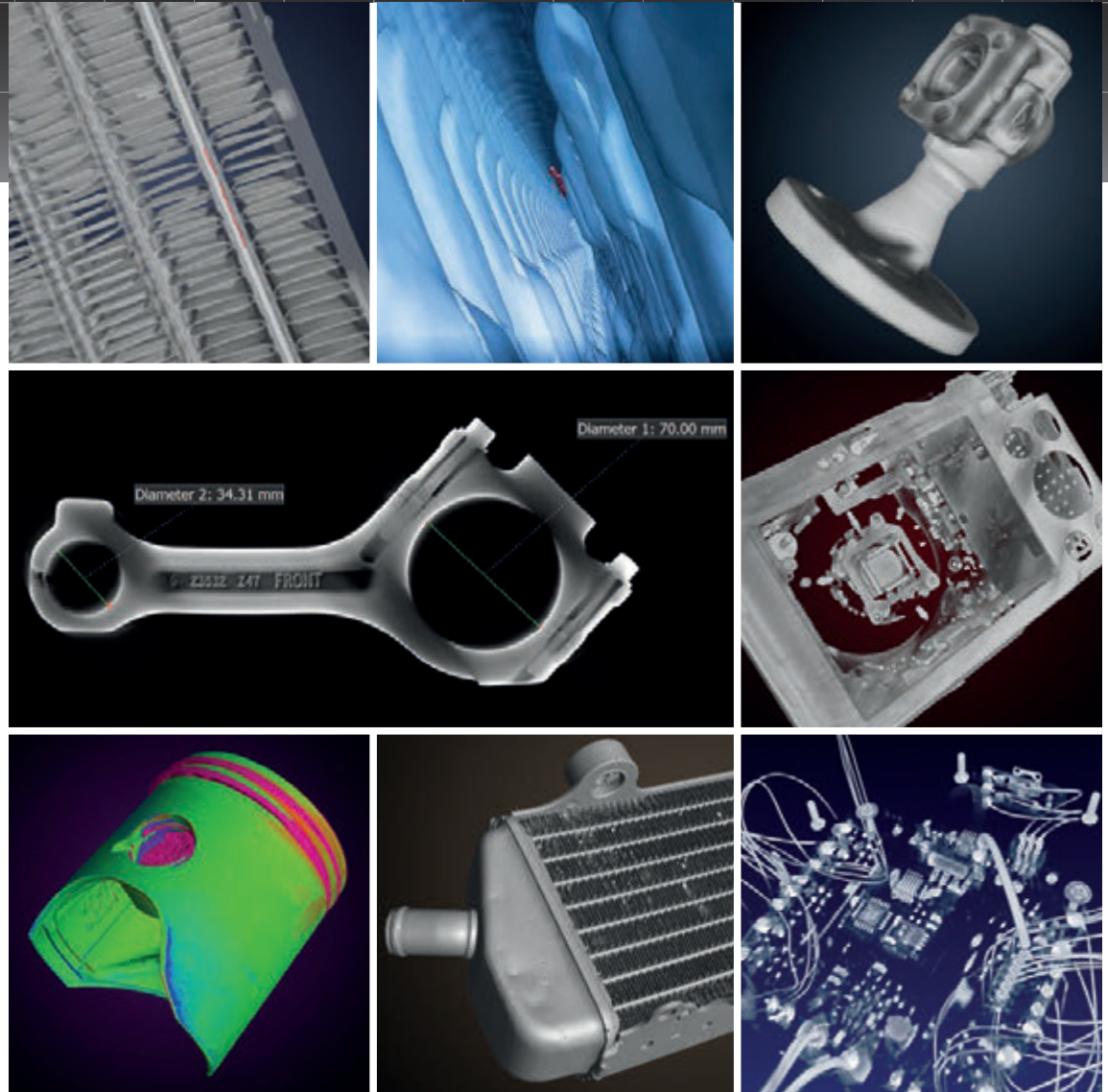
IDENTIFICATION OF LOSSES

COMPARISON BETWEEN UNFINISHED AND FINISHED

INSPECTION OF ASSEMBLED COMPONENTS
(misalignment, assembly defects, deformations)

INSPECTION OF ASSEMBLED PARTS IN OPERATION

ANALYSIS OF DAMAGE / MALFUNCTION



the Company



For over 30 years DUEMME SPA has made a positive mark on the world of work for people and companies through enthusiasm, technology, quality and science.

This company has always stepped up as a reliable partner for performing third-party Non-destructive Testing for major companies operating at home and abroad.

The experience gained, the ongoing investments into technology and human resources, the complete 24-hour on-call availability, today give DUEMME SPA what it takes to be a go-to when factors like innovation, quality and impeccable timing become essential.



7000 m²

**10 homologated
bunker**

**Handlig capacity
up to 70 Tons**

Services

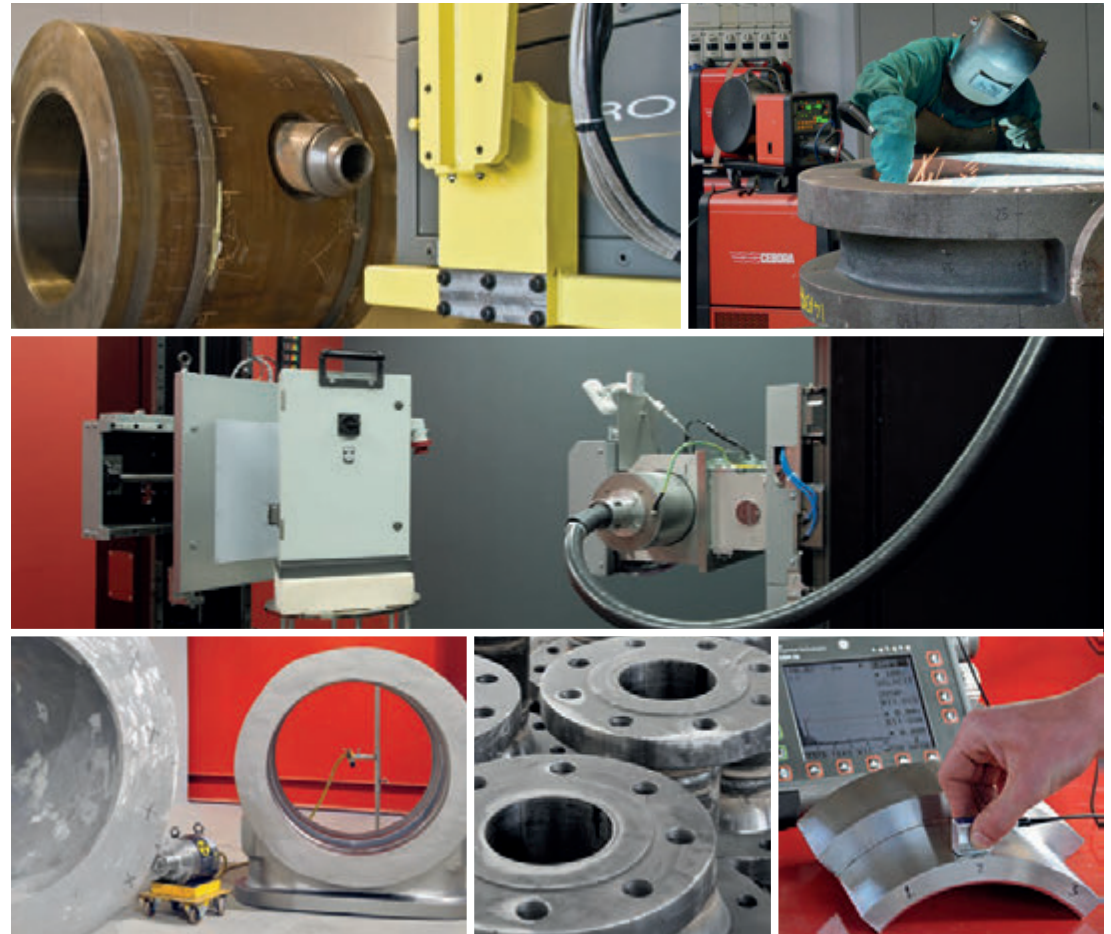


Services

INDUSTRIAL RADIOGRAPHY ON FILM AND DIGITAL
COMPUTED TOMOGRAPHY
NON-DESTRUCTIVE TESTING
OUT-OF- OVEN HEAT TREATMENTS
ON-SITE WELDING REPAIRS

Technical features

LINATRON 3MeV - 6MeV - 9MeV
PATENTED HANDLING SYSTEM
450 KV TOMOGRAPHIC SYSTEM
GAMMAGRAPHIC DEVICES Ir192 AND Co60
RADIOGRAPHIC DEVICES 200 AND 300 kV
UT DEVICES
PT / MT AREA



Linatron Accelerators



The highest quality in non-destructive tests

The quality of an X-Ray image depends on three basic criteria: penetration, contrast and resolution. All three are linked to the energy level and the consequent number of X-ray photons that go through the object.

With the advanced technology of the new, latest generation VAREX linear accelerators, DUEMME SPA offers energies up to 9 MeV, so it can inspect steel components with a thickness of over 400 mm.

DUEMME SPA is the first company in Europe to be able to work with linear Varex Linatron accelerators and is willing to see to the client's inspection requirements all around, from design to final certification.

This, too, is customer service, this, too, is DUEMME SPA.



**Linatron linear
Accelerators**

**M3A
M6A
M9A**

Certifications



Certifications and accreditation

An ISO 9001-certified company since 2000

An ISO/IEC 17025-accredited company since 2014

Direct approvals from big international clients

Technical/scientific collaboration with
the Engineering Dep. University of Padua

LEV2 and LEV3 ISO 9712
and ASNT TC 1A qualified personnel with many
years of experience in RT inspections





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