



**Nuova
gamma** SRL

NON DESTRUCTIVE EXAMINATIONS HEAT TREATMENTS



INTRODUCTION

The Nuova X Gamma has been founded by acquiring the knowledge, the technologies and the specialized personnel from the Nuova ICS Gamma, which was been founded in 1999, under the spur of some technicians coming from a multinational Company which was a leader in the quality control service; in this way the Nuova X Gamma has joined the already developed technical and managing experiences with the acquired know how.

The Nuova X Gamma has been founded with the aim to supply a wide range of services to the industry companies, well knowing that the first condition to succeed is that these services are supplied in whole agreement with the customer needs.

The Nuova Xgamma is able to satisfy the needs of NDE's and heat treatments for the maintenance and the construction of chemical plants, petro-chemical plants, power plants, naval and off-shore structures. The company is certified by the TUV according to the code ISO 9001. The personnel is qualified as II level according to ASNT SNT-TC-1A and UNI EN 473, and it is approved to operate according to PED 97/23/CE. The Nuova X Gamma can issue by itself technical procedures, radiation protection relations, safety plans and risk evaluations.



MACHINES AND EQUIPMENTS FOR HEAT TREATMENTS



LINE VOLTAGE RESISTANCE MACHINE - LOW VOLTAGE RESISTANCE MACHINE - INDUCTION MACHINE

MODULAR FURNACE



FIBERS, RESISTANCES AND THERMOCOUPLES



BURNERS FOR HEATED AIR HEAT TREATMENTS



NON DESTRUCTIVE EXAMINATIONS

VISUAL TEST (VT)

- direct
- remote through video boroscope
- remote through video camera Pan-Tilt-Zoom

PENETRANT TESTS (PT)

- colour contrast
- fluorescent

MAGNETIC TESTS (MT)

- with wet powders
- with dry powders
- with fluorescent powders
- defect detection with magnetic jokes, prods or coils

RADIOGRAPHIC EXAMINATIONS (RT)

- directional and panoramic X ray sources
- Iridium 192 and Selenium 75 y sources
- GE digital radiographic system
- van equipped with a darkroom and tanks for the film development in the field

ULTRASONIC EXAMINATIONS (UT)

- thickness measurement
- defect detection with conventional equipments
- defect detection with phased array equipments
- defect detection with TOFD equipments

EDDY CURRENT EXAMINATIONS (ET)

- defect detection
- thickness measurement

HARDNESS TESTS

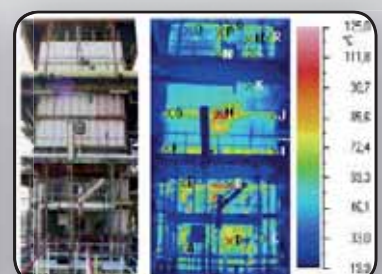
- with portable rebound equipments
- with portable UCI equipments

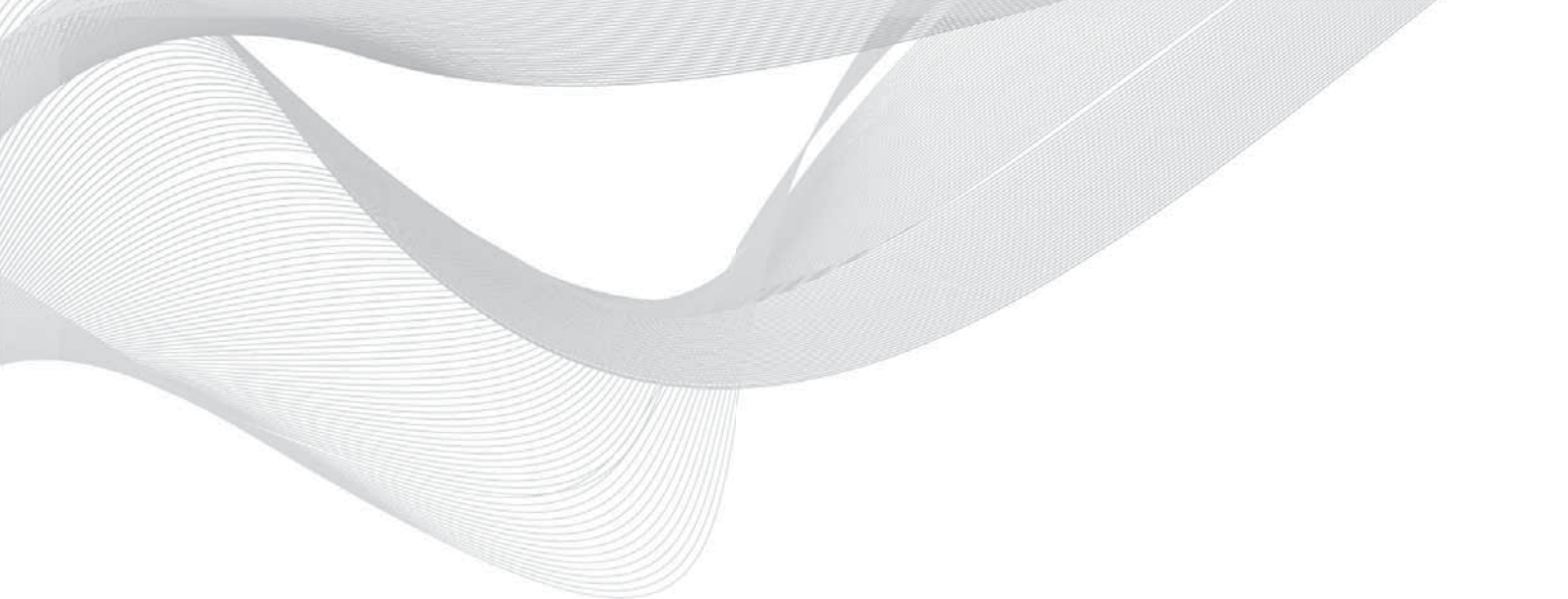
THERMOGRAPHS

- with infra-red thermo-cameras

POSITIVE MATERIAL IDENTIFICATION (PMI)

- with portable spectrometers





RESISTANCE, INDUCTION AND HEATED AIR HEAT TREATMENTS - NON DESTRUCTIVE EXAMINATIONS
SAFETY AND QUALITY PLANS - QUALIFICATION OF WELDERS AND HEAT TREATMENT OPERATORS - TRAINING
MANUFACTURING AND SELLING OF MACHINES FOR PREHEAT AND LOCALIZED PWHT

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