

Best[®] NDT

A TeamBest Company



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AFRICA | ASIA | EUROPE | LATIN AMERICA | MIDDLE EAST | NORTH AMERICA



Best NDT is a pioneer and global leader in the manufacturing of non-destructive gamma radiography testing equipment and radioactive sources with over twenty years of specialized and dedicated experience in this field.

With two conveniently located sites, one in Ottawa, Ontario, Canada and the other in Bristol, Rhode Island, USA; our team is dedicated to the development and production of equipment and radioactive sources for industrial non-destructive testing.

Best NDT Serving Mission Critical Industries — Our systems are used to verify the integrity of mission-critical components including: pipelines, pressure vessels, aircraft engines and other critical aircraft components, oil and petrochemical installations, ships, bridges, offshore platforms, concrete fabrications and cast parts.

The Industrial Radiography Departments of Best NDT Canada and Best NDT USA

Twenty Years of NDT Innovation Dedicated to Safety

Best NDT is dedicated to the development and advancement of the use of radiation and radioactive isotopes to support industrial and public safety. This is backed by a strong commitment to continually develop and improve products and testing systems. In 1993, the GammaMat® TSI series was introduced, an ISO 3999:2000 compliant gamma radiography camera. The following year saw the introduction of Selenium 75 (Se-75) cameras and sources. Today, Best NDT continues to invest in the future of gamma radiography through the GammaMat camera systems, equipment and accessories.

Services

Training Programs

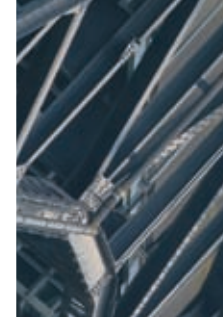
Our training programmes cover every subject concerning the operation of GammaMat cameras, equipment and use of sources.

Help Desk

Our help desk is only as far away as your telephone. Our area sales managers are positioned to give you expert field support.

Equipment Checking and Repairs

We offer regular and systematic camera and source holder inspection for safety and non-contamination. We also check and verify all transport containers received. When we encounter any anomalies, customers are notified immediately. For non-GammaMat equipment, we can take care of minor safety repairs; for major service we can send a camera to its manufacturer.



Sources

Best NDT sources have set the standard for efficient use in both GammaMat camera systems as well as other brands of test equipment. Best NDT is uniquely positioned to offer a wide range of standard and custom sources for NDT applications, including:

- Iridium 192 (Ir-192)
- Selenium 75 (Se-75)
- Cobalt 60 (Co-60)

Due to our extensive experience, the loading and unloading of a large variety of devices (gamma camera gauges) can be done efficiently and effectively at our facilities. Co-60 sources up to 300 Ci can be manufactured in our shielded hot cells facilities.

The Reason for Testing, the Basis of Testing

Best NDT is a leader in setting safe standards for working with radioactive materials in medicine and industrial applications. Working closely with national and international regulatory agencies, we help set and endorse these standards. From safe handling practices to developing the safest possible packaging, our operations always meet, and often exceed, all regulatory requirements. Our capsules and source holders are engraved with an appropriate code for rapid identification.

All of our sealed sources are delivered with full technical documentation, including information on activity, production and calibration dates, a decay table in GBq and Ci and the results of the leakage and non-contamination checks.

Regulation Conformance

All Best NDT sealed sources conform to the Regulations for Safe Transport & Radioactive Material 1996 Edition (as revised in 2000) from the International Atomic Energy Association, to the International Standard Organization recommendations ISO 2919:1999.

Quality Control

All Best NDT sources are tested for leakage and contamination; each source is washed in three consecutive ultrasonic baths and in the final bath, they are assessed for activity, which must be less than 185 Bq (5 nanocuries). Our activity measurement chambers are calibrated by certified calibration laboratories.

Labelling and Certification

All Best NDT source capsules are identified by a serial number. Each source is labelled with the radioactivity symbol and the chemical symbol of the isotope. Each capsule is shipped with full technical documentation.

All Best NDT sealed sources are delivered with a certificate stating the main specifications, including source activity, production and calibration dates, a decay table in GBq and the results of the leakage and non-contamination tests.

Why Use Best NDT sources?

- Reliable supply to customers in over 40 countries and expediting over 6,000 deliveries per year
- Dependable supply with access to multiple reactors in Canada and Europe
- Rapid order expedition
- Managing customers' decayed waste at our site in Ottawa, Ontario, Canada

Test Equipment

Model	Max loading	Total weight
GammaMat TSI/1 compact, lightweight Ir-192 gamma ray projector ISO 3999:2000 compliant		
TSI 3/1	3.00 TBq (80 Ci) Ir-192	20.0 kg (44.0 lb)
TSI 5/1	5.00 TBq (135 Ci) Ir-192	22.0 kg (48.4 lb)
GammaMat SE highly portable Se-75 gamma ray projector		
SE	3.00 TBq (80 Ci) Se-75	7.20 kg (15.8 lb)
SE TYPE (BU)	4.44 TBq (120 Ci) Se-75	7.20 kg (15.8 lb)
GammaMat M self-propelled isotope crawlers for pipeline radiography		
M6	2.20 TBq (60 Ci) Ir-192	36.0 kg (78.0 lb)
	3.00 TBq (80 Ci) Se-75	20.0 kg (44.0 lb)
M18	3.70 TBq (100 Ci) Ir-192	80.0 kg (178.0 lb)
	3.00 TBq (80 Ci) Se-75	63.0 kg (138.0 lb)

GammaMat Cameras and Equipment

GammaMat cameras and equipment have been setting the highest standards for industrial gamma radiography for over twenty years. Today, the name GammaMat is recognized as a symbol of market leadership. GammaMat cameras and equipment provide unparalleled safety and reliability. Compact and lightweight, they are renowned for their state-of-the-art technology, innovative design, and unrivalled reliability.

- GammaMat TSI/1 Compact, lightweight Ir-192 gamma ray projector
- GammaMat SE Highly portable Se-75 gamma ray projector
- GammaMat M Self-propelled isotope crawler for pipeline radiography

Manual Remote Controls

Remote controls are an essential safety component of the GammaMat camera systems. They allow the operation of the radioactive source from a safe distance. All Best NDT remote controls are manufactured to tolerances that ensure that the controls are properly connected to the camera and source holder before the source can be extended.

Best NDT remote controls are available in different styles and in various lengths. In addition to the two well established styles, with stand and plate or device support, a new innovative design with shoulder support frame is now available.

Accessories

In addition to a complete range of gamma ray cameras, Best NDT offers a number of accessories that facilitate their operation and extend their application including:

- Tungsten collimators
- Source guide tubes
- Centering and positioning devices
- A full line of radiation safety supplies are available from CNMC, a TeamBest company www.cnmcco.com

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