

WHY CHOOSE NP HEALTHCARE FOR CYCLOTRON ECOSYSTEM SOLUTIONS?

Comprehensive Nuclear Medicine Ecosystem

We don't just deliver machines — we build entire ecosystems. From cyclotron installation to radiopharmacy integration, NP Healthcare ensures seamless connectivity between isotope production, imaging, and patient care.

Wide Selection of Cyclotron & Radiochemistry Solutions

Access a portfolio of trusted cyclotron brands and radiochemistry modules, each tailored to meet clinical precision standards and regulatory compliance.

Rigorous Compliance & Safety Standards

All systems undergo meticulous inspection, shielding validation, and GMP-compliant refurbishment by factory-trained engineers to guarantee safety and reliability.

End-to-End Project Support

Our project management team assists with site planning, radiation safety approvals, construction, installation, and staff training, ensuring a smooth transition from blueprint to operation.

Global Engineering & Service Network

Benefit from our worldwide network of nuclear medicine engineers for installation, validation, servicing, and lifecycle management of cyclotron and PET/CT systems.

Flexible Warranty & Maintenance Plans

Tailored service agreements to match your operational needs, from isotope production uptime guarantees to comprehensive maintenance of imaging and radiopharmacy facilities.

IDEAL FOR:

- Hospitals establishing in-house isotope production
- Diagnostic centers expanding into theranostics and advanced PET imaging
- Mobile outreach units delivering radiopharmaceuticals to remote regions
- Clinics seeking cost-effective, scalable nuclear medicine solutions

CONTACT US

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Affordable Excellence.
Empowering diagnostics across
India and beyond.

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NP HEALTHCARE

MEDICAL EQUIPMENT SALES & CONSULTATION

CANCER DETECT TO DEFEAT, DEFEAT WITH ACCURACY!

www.nphealthindia.in

REFURBISHED EQUIPMENTS

About Us

At NP Healthcare, we are dedicated to facilitating the delivery of cutting-edge medical equipment to healthcare institutions worldwide. Established with a commitment to excellence, we specialize in sourcing, supplying, and distributing a comprehensive range of medical devices and supplies essential for modern healthcare practices.

At NP Healthcare, we are committed to delivering high-quality, reliable medical equipment by partnering with leading global manufacturers. Our extensive catalogue covers everything from Cyclotron and Imaging Equipment to advanced Processing Software. We believe every healthcare professional deserves access to the best tools to provide exceptional patient care. With a strong focus on innovation, integrity, and personalized service, our dedicated team ensures tailored solutions that meet each client's needs. As a trusted name in medical equipment distribution, we're proud to support improved patient outcomes and healthcare excellence worldwide.

Thank you for choosing NP Healthcare, shaping the future of healthcare, together.

Our Mission

Cancer , Detect to Defeat ,
Defeat with Accuracy !

GAMMA CAMERA



PETCT



REFURBISHED PET/CT SCANNERS

Radiology Oncology Systems offers a wide range of pre-owned and refurbished PET/CT scanners that meet strict quality and performance standards. Each unit is thoroughly inspected, tested, and restored by factory-trained engineers to ensure it performs like new providing the precision and durability healthcare providers.

Refurbished PET/CT Scanners: Mobile & Fixed Solutions

Whether you need a mobile or fixed imaging solution, Radiology Oncology Systems has the right fit. Mobile systems offer flexibility for temporary setups or remote locations, while fixed systems support long-term imaging in hospitals and clinics. Our team will help you choose the best option for your practice, goals, and budget.

Why Choose Radiology Oncology Systems for PET/CT Scanners?

Radiology Oncology Systems also understands that each facility has unique service and maintenance requirements. That is why they offer flexible warranty options and ongoing service agreements. Whether you need basic support or comprehensive maintenance, we can tailor a plan that fits your operational needs and budget.



NP HEALTHCARE: REFURBISHED PET/CT SCANNERS FOR ADVANCED DIAGNOSTIC IMAGING

NP Healthcare proudly offers a comprehensive range of professionally refurbished PET/CT scanners from leading global manufacturers such as GE Healthcare, Philips Healthcare, and Siemens. Our mission is to empower diagnostic centers, hospitals, and specialty clinics with cost-effective, high-performance imaging solutions—without the financial strain of purchasing new equipment.

CYCLOTRON TARGETS

TARGETRY

Targets are essential components of medical cyclotrons, used to produce radiotracers for PET scans that detect abnormal metabolic activity. Installed at the cyclotron's exit port, they generate radionuclides by irradiating the solution inside.

Key Features

- Fully compatible with commercial cyclotrons
- Adaptable for other models
- No changes required in vacuum chamber configuration or Cyclotron HMI
- Automated, independent filling and unloading systems
- Volume: 2.5 – 3.5 mL
- Target Insert: Niobium
- Target Body: Aluminium 6061
- Window: Single Niobium Foil
- Max Beam Current: 80–100 μ A
- Rebuild Interval: 15,000 μ A / 3 months

The new Solid-Liquid Target (SLT Target) offers high productivity like solid targets, with the easy handling of liquid targets, all in a compact system. Irradiation occurs on solid material, and after in-bunker elution, the final product is transferred directly to hot cells.



CYCLOTRONS

Cyclotron maintenance requires highly skilled technicians who can manage failures inside and outside the bunker while ensuring minimal radiation exposure for everyone on site.

Our experts bring over 20 years of experience with leading commercial cyclotrons, tackling diverse issues and implementing improved systems for greater machine and subsystem reliability.



DISPENSING UNITS

The dispensing unit is a critical system that can increase downtime and lack optimization in dispensed doses for your radiopharmaceutical products.

In some cases, failure can be solved remotely and for that, we offer also remote technical assistance.



VALIDATION & GMP SERVICES

Our offer of validation services performed by our team of specialists.

Range of application: isolators, glove boxes, pass boxes, hoods, ovens, filters, dispensing systems, HVAC / cleanroom system.



VALIDATION PROCESS

Thermal mapping of production areas
Risk assessment.

Execution of FAT, SAT, IQ, OQ, PQ protocols.
Gap analysis.



MEDICAL LINEAR ACCELERATOR

VENUSX



MV The product consists of radiation head, gantry, kV imaging system, MV imaging system, treatment couch and other components. It can provide the treatment mode consists of Three-dimensional Conformal Radiation Therapy, Intensity-Modulated Radiation therapy, and Volumetric Modulated Arc Therapy for tumor patients.

The VenusX equipped with the state-of-the-art orthogonal multi-layer MLC, and its clinical advantage is to improve the dose conformity, the dose uniformity of the target area and provide better protection for OARS.

Energy: 6MV FFF
Dose Rate: 1000/800/600cGy/min
Field Size: 40cm*40cm
Multileaf Collimator: Orthogonal Multi-layer MLC
Minimum Leaf Width: 2mm
IGRT Mode: kV CBCT/MV EPID/BPS
QA: One-key Auto QA
Treatment Mode: CRT/IMRT/IGRT/VMAT/SRS/SBRT

At NP Healthcare, we cater to the complete spectrum of oncology solutions with advanced linear accelerators, delivering precision radiotherapy technology, seamless installation, and end-to-end support for cancer treatment centers worldwide.

RADIOPHARMACY

ORA NEPTIS® MODULE

CMR offers ORA (Optimized Radiochemical Applications) modules from our partners to our clients.

These synthesis modules are designed for the automated production of radiopharmaceuticals, including Fluorine-18, Carbon-11, as well as therapeutic and diagnostic radionuclides.

Each module is installed and serviced by experienced engineers and can be certified upon request



CONSUMABLES

Stable Isotope 18-O

The most common application of stable isotope Oxygen-18 is used as a precursor in PET (Positron Emission Tomography).

Stable Isotope 68-Zn

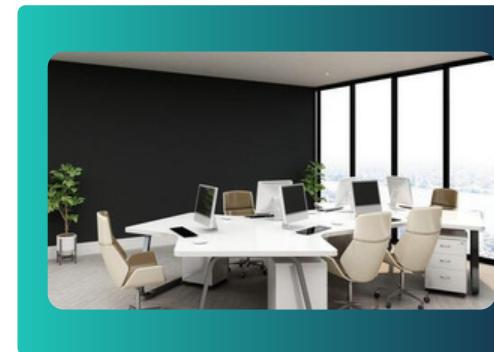
The use of stable isotope Zinc-68 solution is of special interest since it is one of the stable precursors used in PET (Positron Emission Tomography).

Glass Vials For Small Filling Operation

This kind of pharmaceutical sterile glass vial is particularly well-suited for small filling operations and R&D purposes. Vials can be ordered with or without aluminum caps & butyl rubber stoppers.

DOCUMENTS DRAFTING & DEVELOPMENT

User Requirements Specification (URS)
Validation Master Plan & Project Plan (VMP/VPP)
Specification Documentation (FS)
Standard Operating Procedures (SOP)
FAT / SAT Protocols
IQ / OQ / PQ Protocols
P&Id
Requalification, Calibration, and Maintenance Protocols
Summary Reports
Design of production/areas according to GMP



SPARE PARTS FOR RADIOISOTOPE PRODUCTION

Our expertise in maintenance and operations, in collaboration with Research & Development department, has developed during time new spare parts, compatible with commercial cyclotrons.

These items have a high level of reliability under a sustained run cycle of production. It is also guaranteed performance as commercial ones.

On this page you will find our catalog of spare parts. Request a quote for more information:



“Safeguarding the Entire Cyclotron Ecosystem”
“Your Partner in Cyclotron Excellence”

HOTCELLS

HOT-CELLS FOR SYNTHESIS

The HCM-100 features a fully isolated, stainless-steel clean-air cavity with high-standard lead shielding to meet GMP requirements for positron radiopharmaceutical synthesis.

Its upper section houses an independent ventilation system, control unit, gas valves, and radiation monitoring with safety interlocks.

A spacious interior supports all major synthesizer models, while the lower auxiliary area provides additional functional support for the chamber.

Key Features

Active air carbon filtration
Radiation monitoring control in Real-time
Radiation monitoring inter-lock connections.



DISPENSING HOT-CELL

The hot chamber has three sections:

- Control Area (top): Contains the independent ventilation system, control unit, radioactive gas stop valve, and radiation dose monitoring with interlocks.
- Working Area (middle): Accessible through a side screen door, offering a spacious interior suitable for all dispenser sizes.
- Auxiliary Area (bottom): Provides additional functions needed for chamber operation. Its high-standard lead shielding and biological safety design meet ICRP radiation requirements while maintaining a GMP-compliant clean environment for PET radiopharmaceutical dispensing.



Key Features

Active carbon air filtration
UV lamp
Radiation monitoring control in Real-time
Ozone sterilization device
Radiation monitoring inter-lock connection

SYNTHESIS MODULES

Founded in 2003, IPHASE technologies is a global leader in Nuclear Medicine automation, specializing in advanced P.E.T. radiochemistry instrumentation & innovative radiopharmaceutical development.

Our cutting edge solutions deliver unmatched precision, reliability & ease of use driving breakthroughs in the field.

MULTISYN

The affordable multi-purpose, multi-chemistry compact disposable cassette radiosynthesis modules.



SOLID TARGET DISSOLUTION EXPANSION MODULE

Enables the MultiSyn to be a complete system for both the closed-circuit dissolution of coin based solid targets (^{64}Cu , ^{89}Zr & ^{68}Ga) and purification via a disposable cassette.



C-11 PRO2

Streamline and optimize the process of GMP C-11 tracer production from start to finish with one platform.



FLEXLAB

Research, development and fully automated production of complex multi-step compounds can now be realized with one synthesizer.