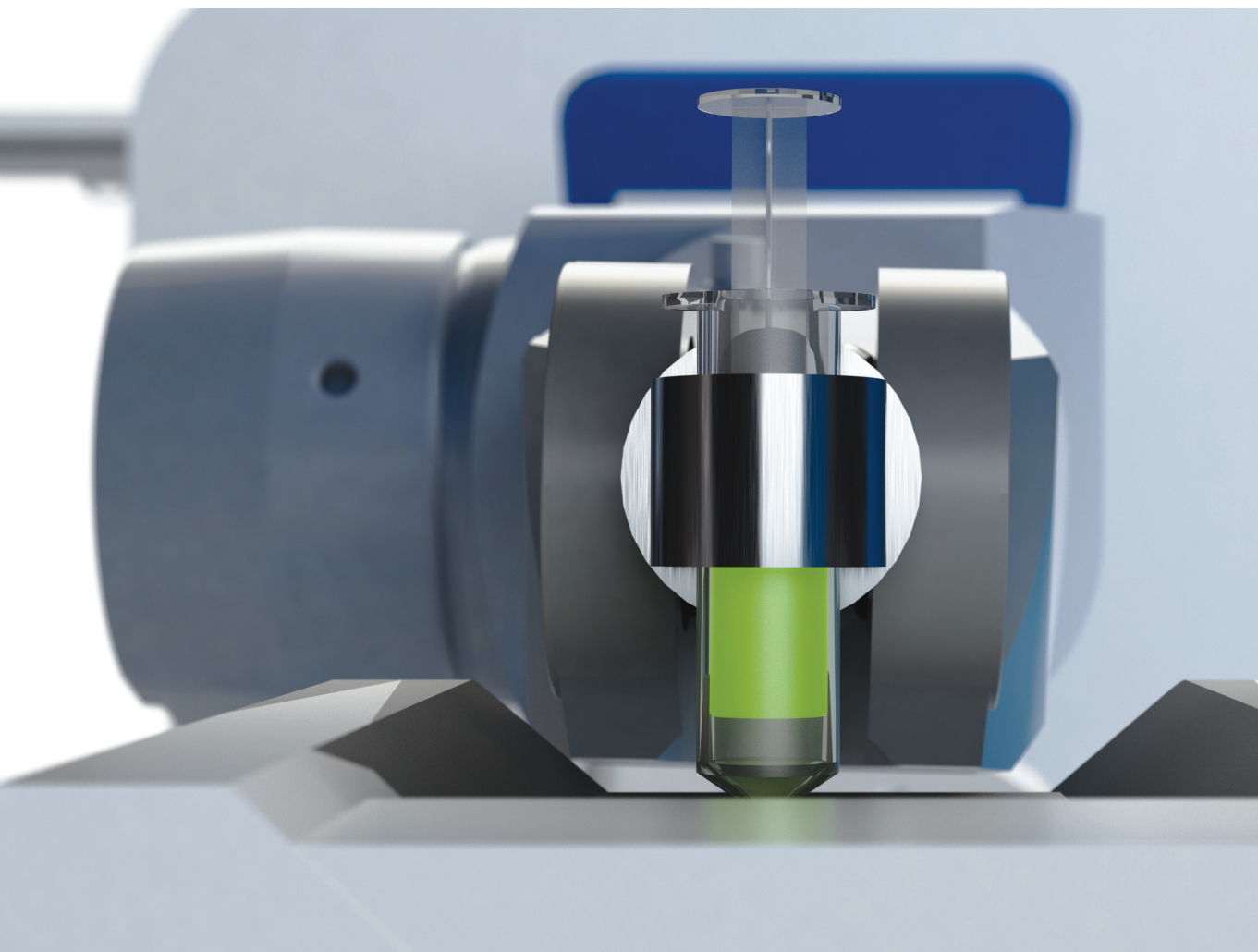




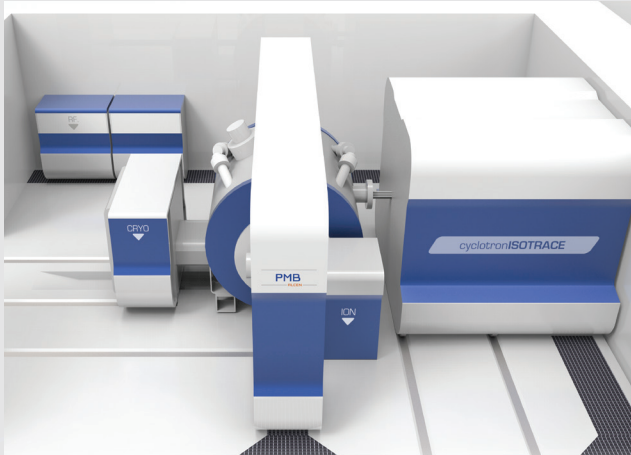
Automated Radiopharmaceutical Production System for PET Imaging

A unique system designed to improve clinical diagnosis and provide new grounds for further research in molecular imaging and nuclear medicine



personalized molecular imaging

ISOTRACE cyclotron



- Accelerates Particles to 12 MeV
- He-Free Superconducting Magnet
- Compact and Lightweight
- Self-Shielded Targetry
- Four External Targets

- **ISOTRACE**: technological improvements on cyclotron OSCAR
- **Ideal energy** for the production of radioisotopes ^{18}F , ^{11}C and ^{68}Ga
- **Stable and compact** due to a superconducting magnet
- **Self-operating** and lightweight
- **Maintenance**: quick and easy
- **Self-shielded targetry**: low radiation and low activation

ISOTRACE
PMB

iMiLAB radiochemistry



- Multiple Radiotracers
- On Demand Production
- Automated Syringe Filling
- Self-shielded
- Microfluidic-Based Synthesis
- Reduced Radiation Exposure

- **Automated and self-shielded**, reduced radiation exposure
- **Low consumption** of reagents and precursors
- **On demand production** : one dose one patient
- **Ready-to-use syringes** for patients
- **Quality Control** with precise radioactivity measurement
- **Multiple radiopharmaceuticals** produced without cross contamination

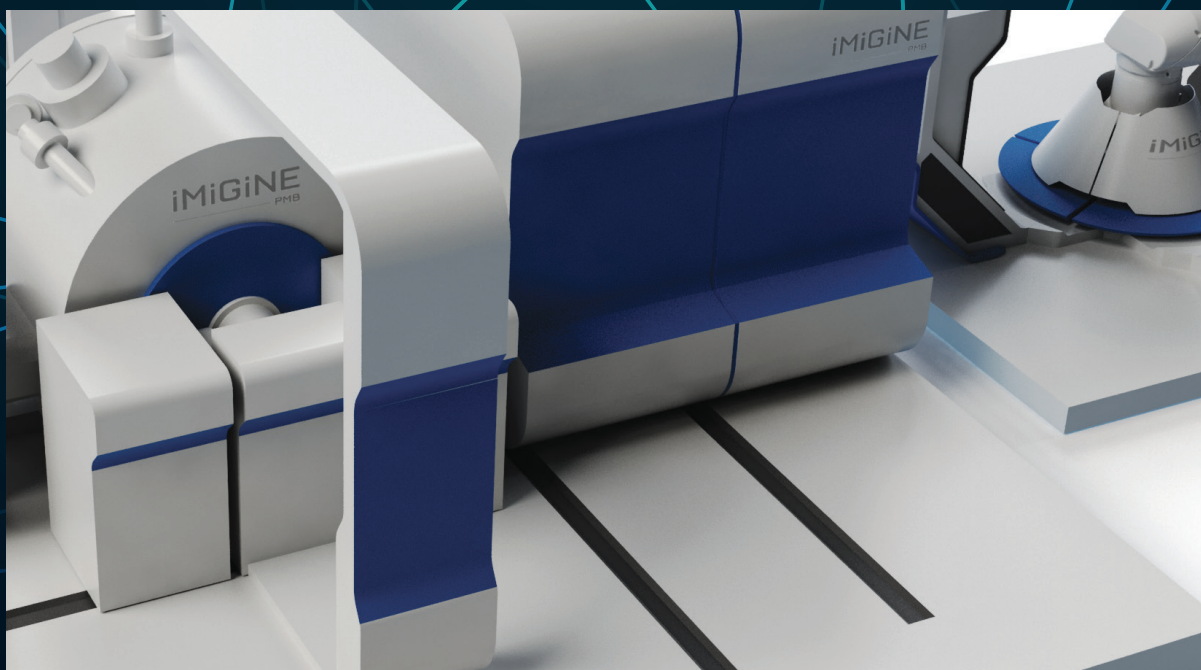
iMiLAB
PMB

More than another molecule dispenser...

A unique radiopharmaceutical production system

With iMiGiNE, personalized molecular imaging becomes a reality

It combines a 12 MeV cyclotron ISOTRACE with a compact radiochemistry iMiLAB, complete with an automated QC system.



From synthesis to syringe-filling until quality control, no human interaction is required.

iMiGiNE offers a unique alternative to heavy traditional production processes.



PMB
ALCEN

PMB designs, manufactures and commercializes high-technology products used in the medical, nuclear power, research, defense & security and industry fields. Its expertise lies in the brazing of complex mechanical assemblies, as well as in the design and manufacture of linear accelerators and cyclotrons.



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