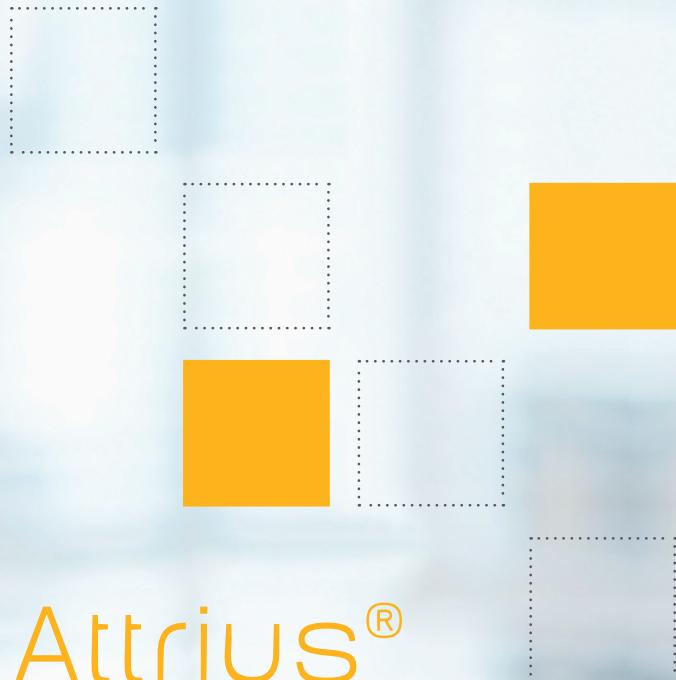


Positron

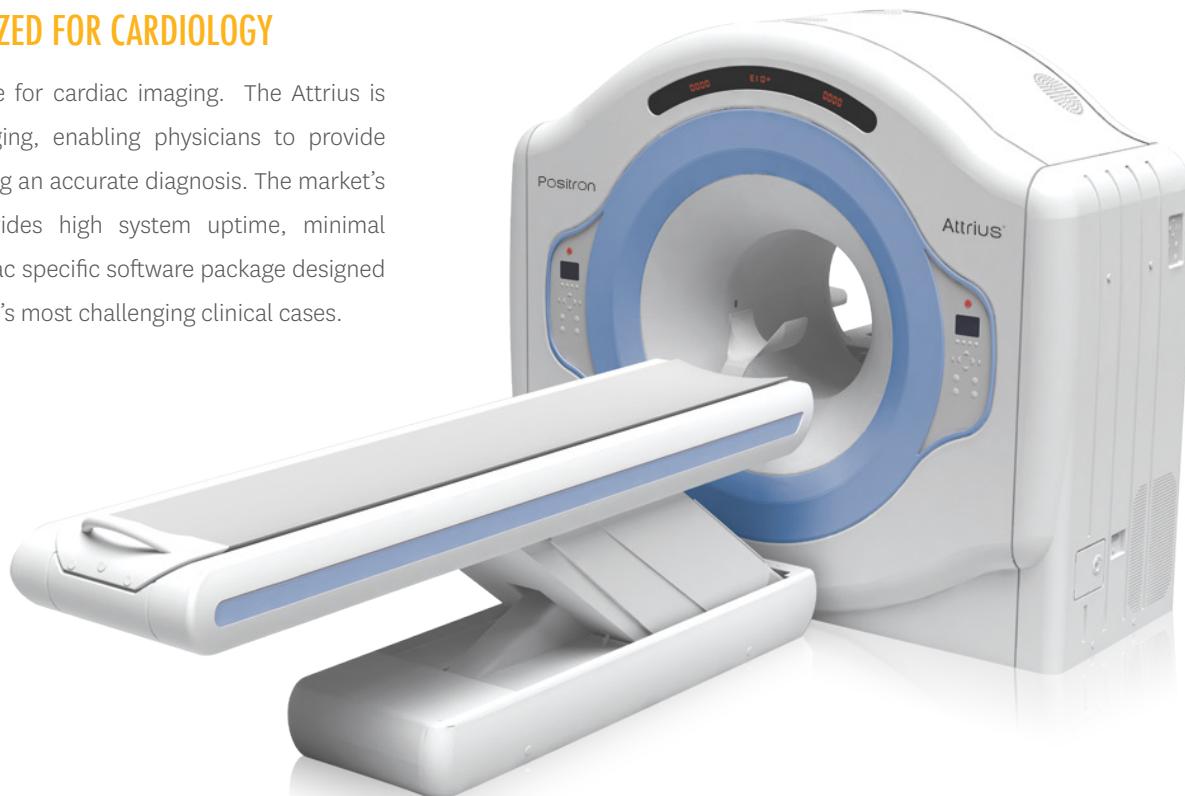


Attrius®

a new perspective for cardiac imaging

A DEDICATED PET SCANNER OPTIMIZED FOR CARDIOLOGY

Positron's Attrius offers a new perspective for cardiac imaging. The Attrius is optimized for myocardial perfusion imaging, enabling physicians to provide superior proven technology, while delivering an accurate diagnosis. The market's only, new, dedicated PET system, provides high system uptime, minimal radiation exposure and a proprietary cardiac specific software package designed to ensure effortless interpretation for today's most challenging clinical cases.



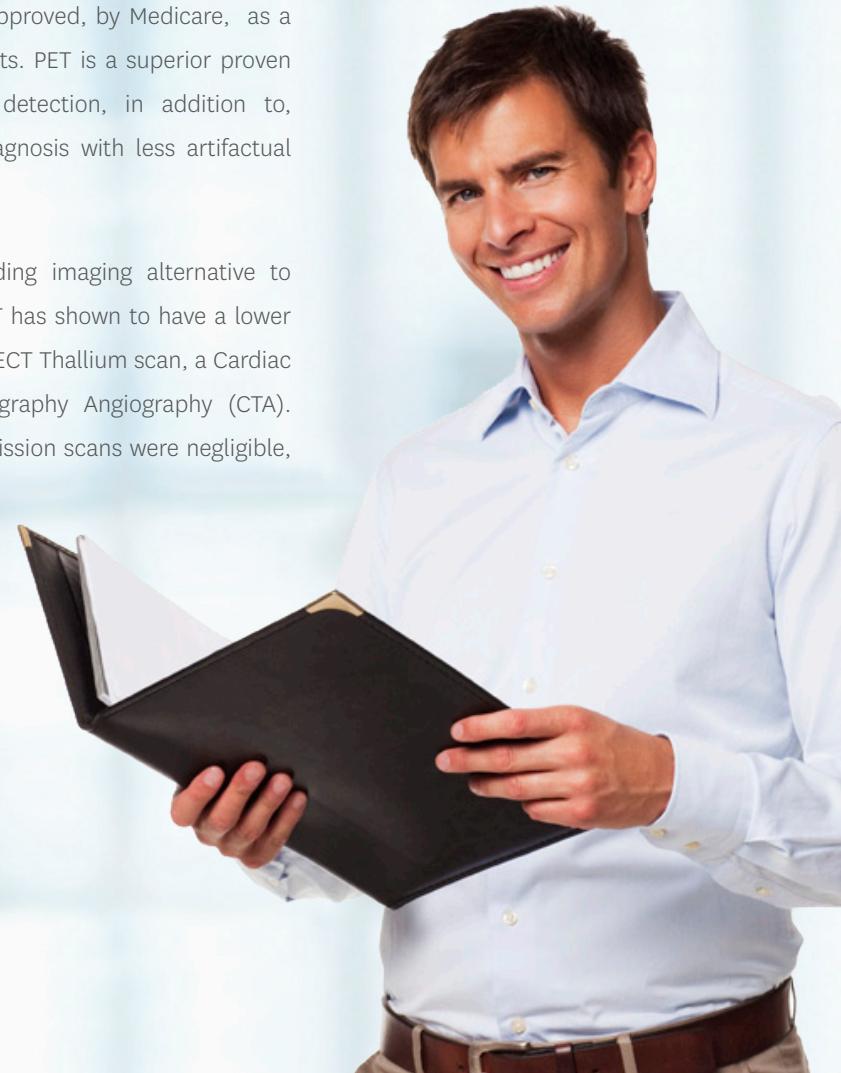
RECIPIENT OF NEW PRODUCT INNOVATION AWARD

from Frost & Sullivan

THE EVOLUTION FROM SPECT TO PET

Since 1995, cardiac PET has been approved, by Medicare, as a first line test in symptomatic patients. PET is a superior proven technology, which enables early detection, in addition to, allowing physicians to deliver a diagnosis with less artifactual defects and false-positive results.

Cardiac PET has become the leading imaging alternative to reduce radiation exposure, utilizing ^{82}Rb , cardiac PET has shown to have a lower patient exposure level in comparison to a Cardiac SPECT Thallium scan, a Cardiac SPECT ^{99}Tc Sestamibi scan and Computed Tomography Angiography (CTA). Additionally, doses absorbed during ^{68}Ge rod transmission scans were negligible, when compared to CT-based transmission scanning.



HIGHER PERFORMANCE

The Attrius has one of the highest 2D sensitivity systems in the industry. Several factors impact sensitivity including the size of detector, distance from patient, detector encoding scheme, parallelism of the electronics, and crystal packing fraction. The Attrius achieves its high sensitivity required for exceptional cardiac imaging by placing more crystal mass around the object being imaged resulting in fewer gaps for housing or reflective material.

The dynamic quantitative measurement of blood flow is dependent upon two factors within a scanner; its sensitivity and its count-rate capability. Combined with its extraordinary sensitivity, the Attrius scanner is capable of imaging ALL available PET isotopes. With more counts obtained, physicians can more accurately define the locale of a lesion or perfusion defect. Attrius is the best choice for maximizing capabilities of cardiovascular practices everywhere and providing patients with better medicine.

Coronary Flow Reserve (CFR) is the ability of coronary blood flow to increase substantially when metabolic requirements demand it. cfrQuant™, a CFR quantification software, quantifies blood flow in the myocardial wall of the heart's left ventricle in diagnostic cardiac PET. The cfrQuant software package, developed by the University of Texas and K. Lance Gould, M.D., accommodates cardiac images produced with Nitrogen-13 Ammonia or Rubidium-82 Chloride taken up by myocardium during two physiologic states: baseline (rest) and increased blood flow (stress).

BETTER ECONOMICS

The Attrius was designed with the private practice in mind; with a small design footprint, and a significantly lower operating cost when compared to PET/CT. For over thirty years, Positron has been dedicated to improving the diagnostic process in oncology, neurology, and cardiology. Our scanners are built with versatility in mind so you can image new indications as they are approved for clinical application and reimbursement.

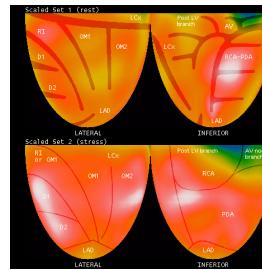
With a table weight capacity of 440 pounds, this system provides comfort for the patient during the full spectrum of acquisition modes, allowing for fast and dependable studies, even with larger bmi patients.



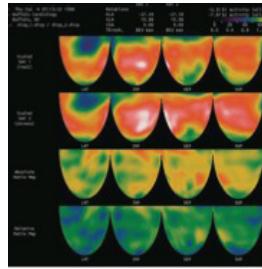


KEY FEATURES

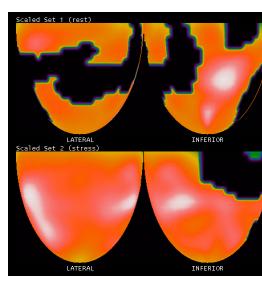
- Low cost of ownership
- cfrQuant™ , Dr. K. Lance Gould's, coronary flow reserve software package
- Stress/rest protocol of 30 minutes
- Compact footprint – fits in a 15' x 20' area
- Proprietary cardiac software package including the ability to monitor therapy
- Large list mode buffer allowing for concurrent acquisition of flow, perfusion and function in one scan
- Coronary artery overlay display
- 440 pound table capacity
- Integrated INTEL chipset with reconstruction times of 7 seconds per image set
- Open architecture for new protocol development and customization
- Quadrax control panels allow multi-directional scanner access and control



CORONARY ARTERY OVERLAY DISPLAY



MERCATOR TOPOGRAPHIC PROJECTION



BLACKOUT FRACTION



“**POSITRON’S ATTRIUS FILLS A CRITICAL VACUUM IN THE CARE OF CORONARY DISEASED PATIENTS.**”

Michael E. Merhige, M.D.



DESIGN FOOTPRINT

height..... 5'9" / 1,808 mm
width..... 6'7" / 2,050 mm
length (bed & gantry total).. 13'2" / 4,019 mm
gantry weight..... 5,511 lbs / 2,500 kg
table weight limit..... 440 lbs / 200 kg

CONTACT

317.576.0183

attrius@positron.com

www.positron.com