

ADVANCED DIAGNOSTIC IMAGING SOLUTIONS

For positioning, shielding and thermal management



One Partner. Multiple Options.

Want more precise positioning for greater image accuracy? Think Parker. Our deep technology expertise can help generate better clinical images, reducing project development time and cost while minimizing the need for multiple suppliers.

From industry-leading motors, drives and actuators to optical display products, thermal management materials and cooling systems, our complete range of high performance products – along with our ability to customize by application – make us a reliable, single-source partner for imaging equipment OEMs, delivering:

- Unique motion control innovation – the result of ongoing, customer-focused product development initiatives
- Advances that are smaller, lighter, more energy efficient, and highly reliable
- State-of-the-art precision cooling to protect equipment

Early collaboration with Parker, the world leader in motion and control, sparks innovation and efficiency. What's more, our global footprint gives you access to an integrated, worldwide network of manufacturing plants, sales and service.



Innovative Solutions for:

- X-ray
- Computerized Axial Tomography (CT)
- Nuclear imaging (SPECT and PET)
- Magnetic Resonance Imaging (MRI)
- Ultrasound

Parker Capabilities:

- Custom components and assemblies
- Integrated solutions
- Material science expertise
- Logistics management: globally and locally

ENGINEERING YOUR SUCCESS.

Proven solutions for diagnostic imaging equipment

A financially stable and globally connected collaborative partner, Parker has been adding value to diagnostic imaging for years and is trusted by leading equipment manufacturers.

Parvex AXEM Series Motor

Disk rotor DC servo used in positioning X-ray sources.

- X-ray



Parvex RS, RX Series Motors

DC servomotors used in positioning imaging sources.

- X-ray
- CT
- Nuclear imaging
- MRI



R7 Linear Servo Motor

Used to position patient couch assembly.

- X-ray
- CT
- Nuclear imaging
- MRI



HPLA Rodless Belt Actuator

Positions gantry on floor and ceiling-mounted apparatus.

- X-ray
- CT
- Nuclear imaging



NS and FS Series Fittings

Used in cooling circuits for X-ray tubes.

- X-ray
- CT



Push-Lok® 801 Series Hose Assemblies

Heat exchanger circuit for X-ray tubes.

- X-ray
- CT



EHA Electro-hydraulic Actuator

Patient couch lift and horizontal axes.

- X-ray
- CT
- Nuclear imaging
- MRI



Drive Block Sensorless Drive

Amplifier powers gantry rotation.

- CT



Integrated Display Solutions

Optical windows and materials for EMI/RFI shielded touchscreens.

- CT
- Nuclear imaging
- MRI
- Ultrasound



Thermal Management Materials

Effective removal of heat from semiconductors and PCBs.

- CT
- Nuclear imaging
- MRI
- Ultrasound



Series 9 Solenoid Valves

Two-way and three-way valves used in radionuclide production for PET/SPECT applications.

- Nuclear imaging



Moldmate Series Quick Couplings

Used in chiller circuit on RF amplifiers.

- MRI



FF/FEM Non-Spill Quick Couplings

Used in chiller circuit on RF amplifiers.

- MRI



INNOVATION IN ACTION: Hyperchill Precision Cooling

High heat loads reduce the life and availability of diagnostic equipment. Parker Hyperchill chillers are the ideal solution to extend the life of CT/PET and MRI equipment. Hyperchill products accurately cool the MRI superconducting magnets and CT/PET scan heads.

These compact Hyperchill chillers have proven to be extremely durable, with flawless performance for increased efficiency and excellent reliability. Their closed water temperature operation provides high working limits and low running costs. User adjustable operating parameters make them adaptable to a variety of conditions.



Contact Information:

Parker Hannifin Corporation
6035 Parkland Boulevard
Cleveland, Ohio 44124

Email: diagnostics@parker.com
www.parker.com/diagnostics

