

T20 Linear Positioning System

Overview

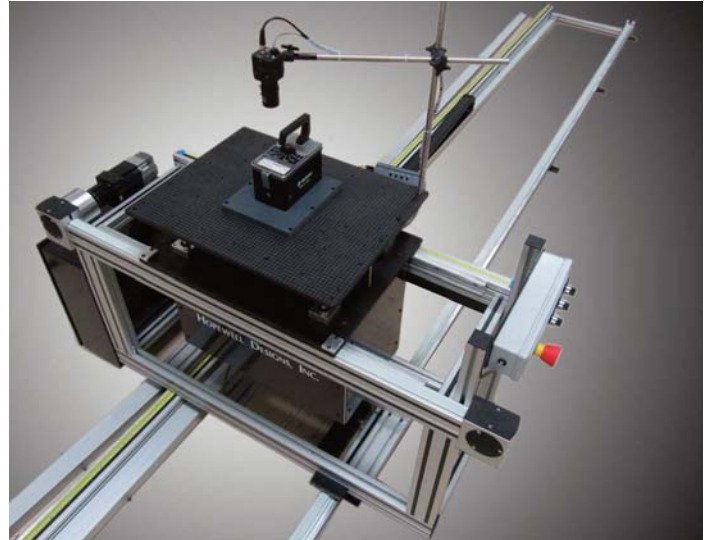
Our linear positioning system (LPS) provides a means to precisely position a radiation survey instrument or dosimeter at an exact distance from the irradiator source. The LPS can move up to four axes over a range of 10 meters with an accuracy of 1 mm. The LPS consists of a framework of aluminum extrusion, linear bearing, stepper motors, instrument platforms and laser or optical alignment tools. Adjustable feet allow the framework to be precisely aligned with the radiation beam and bolted to the floor.

The anodized instrument platform incorporates a precise 1 cm grid throughout the entire surface and features a 10 centimeter bolt pattern to locate jigs and phantoms repeatedly. The platform is designed to support 100 kg without deflection.

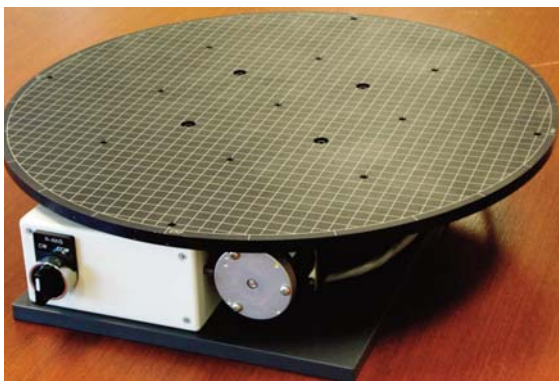
The entire system can be used manually or be fully automated with computer controls. When the computer control options are selected with the automated irradiator controller, all functions of the irradiator system can be adjusted by the user from the control room. These include instrument placement, source selection, exposure rate, attenuators, video monitoring and all the safety features of the system.

Advantages

- Positioning accuracy of 1 mm.
- Up to 4 axes of movement.
- Quick and repeatable instrument positioning.
- Manual or fully automated computer controlled movements.
- Plug and play rotary axis optional.



Standard Models		
Model	Movement	Displacement X, Y, Z
T20-1-M	1 axis, manual	4 meter X, 0 Y, Fixed height Z
T20-2-M	2 axis, manual	4 meter X, 0 Y, 30 centimeter Z
T20-3-M	3 axis, manual	4 meter X, 1 meter Y, 30 centimeter Z
T20-1-A	1 axis, automated	4 meter X, 0 Y, Fixed height Z
T20-2-A	2 axis, automated	4 meter X, 0 Y, 30 centimeter Z
T20-3-A	3 axis, automated	4 meter X, 1 meter Y, 30 centimeter Z



Rotary axis table