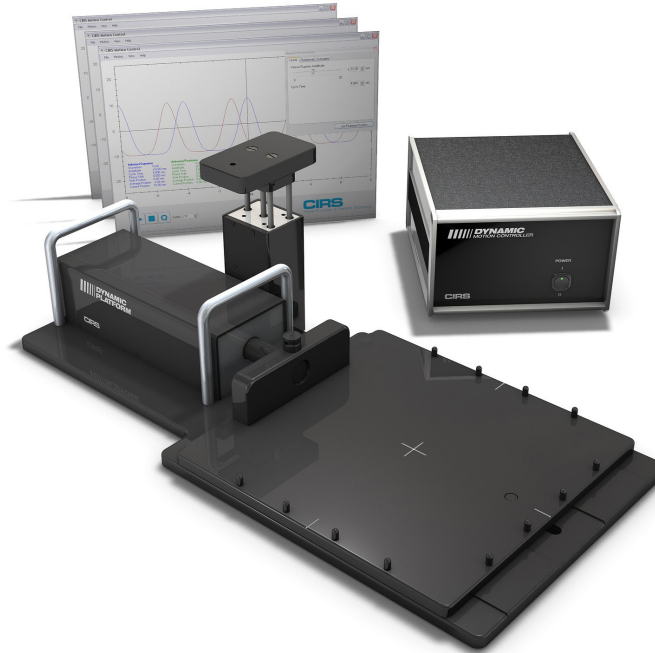# Dynamic Platform

Model 008PL
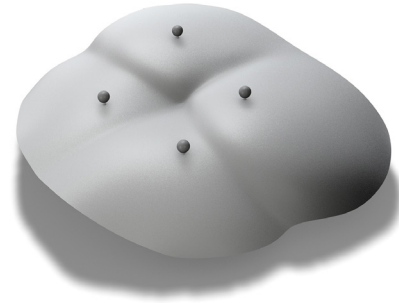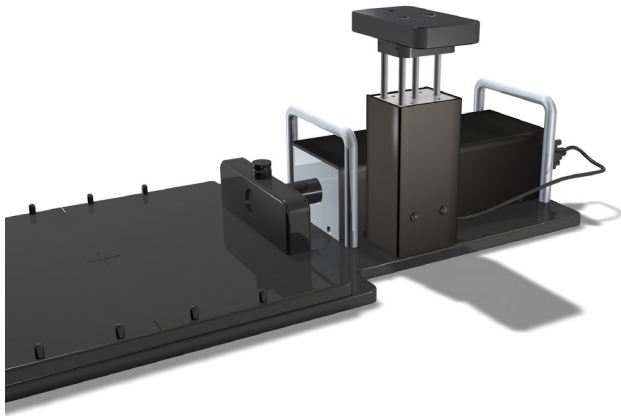
PROGRAMMABLE MOTION FOR ANY PLATFORM

The CIRS Dynamic Platform provides an economical, user-friendly solution for the complex tasks associated with tumor motion and patient positioning in radiation therapy.

The platform is made from stiff, low-density plastics. The device enables precisely controlled inferior-superior motion up to 50 mm for any phantom up to 70 lbs. Multiple types of dosimeters and dosimeter arrays including ArcCHECK® can be positioned on the platform and used for dose verification of moving target treatment plan. A removable pin system in the main platform allows consistent placement and fixation of almost any phantom and traditional laser alignment marks enable accurate positioning of the entire device. An independently controlled smaller platform provides Posterior-Anterior surrogate chest wall motion.

The CIRS Dynamic Platform is operated using CIRS Motion Control Software, a user-friendly graphical user interface that can be installed on any computer running Windows XP

Features

- Move any phantom with sub-millimeter accuracy and reproducibility
- Surrogate and phantom motion fully and independently programmable
- Easy transport, set-up and operation
- Motion software enables different cycles, amplitudes and waveforms
- Surrogate breathing platform accommodates numerous gating devices

CIRS
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The surrogate motion is mechanically independent of platform motion and programmable through the CIRS Motion Control Software. This feature provides even greater flexibility to the clinician and is useful in assessing correlation between surrogate and phantom motion.

Optional chest plate for collecting chest motion and breathing data using an optical tracking system

SPECIFICATIONS

Overall Dimensions:	71 x 35 x 28 cm
Overall Weight:	17.2 kg
Power:	110-250 VAC, 50/60 Hz
Platform Dimensions:	35 x 35 cm
Max. Platform Load:	32 kg (70 lbs)
Amplitude, IS:	± 25 mm
Amplitude, AP Surrogate:	±25 mm
Max. Surrogate Platform Load	5.4 kg (12 lbs.)
Motion Accuracy:	±0.1 mm
Cycle Time:	1 - ∞ (adjusted based on amplitude)
Editable built-in waveforms:	sin(t), 1-2cos4(t), 1-2cos6(t), sawtooth, sharkfin

CIRS Motion Control Software: Minimum Hardware Requirements

- Windows XP® or later version (32 and 64 bit)
- Pentium 3® or equivalent
- 512 MB RAM
- 2 MB of available disk space

MODEL 008PL INCLUDES

Qty	Component Description
1	Control unit with firmware installed (110-220 V, 50-60 Hz)
1	Motion actuator box
1	Gating actuator box
1	Base plate
1	CIRS Motion Control Software CD-Rom
1	1/8 hex key wrench
1	Network cable CAT5e, 75'
1	DB 25 male to male cable
1	USB cable 1' A/B male
2	USB extender terminals
2	2 Amp fast acting fuses
1	Power cord
1	User's manual
1	Carry Case

OPTIONAL ITEMS

008A-125	Chest plate with reflective 11.5 mm tracker balls