

Chapter 2 – System Specifications

2.1 Overview

The Infinia System is made up of five main components:

- Gantry (with Detectors). See [Section 2.1.1](#)
- Integrated Power Supply (IPS). See [Section 2.1.2](#)
- Patient Table. See [Section 2.1.3](#)
- Acquisition Station. See [Section 2.1.4](#)
- Collimator Carts. See [Section 2.1.5](#)

Two options are available for the Infinia system

- Hawkeye

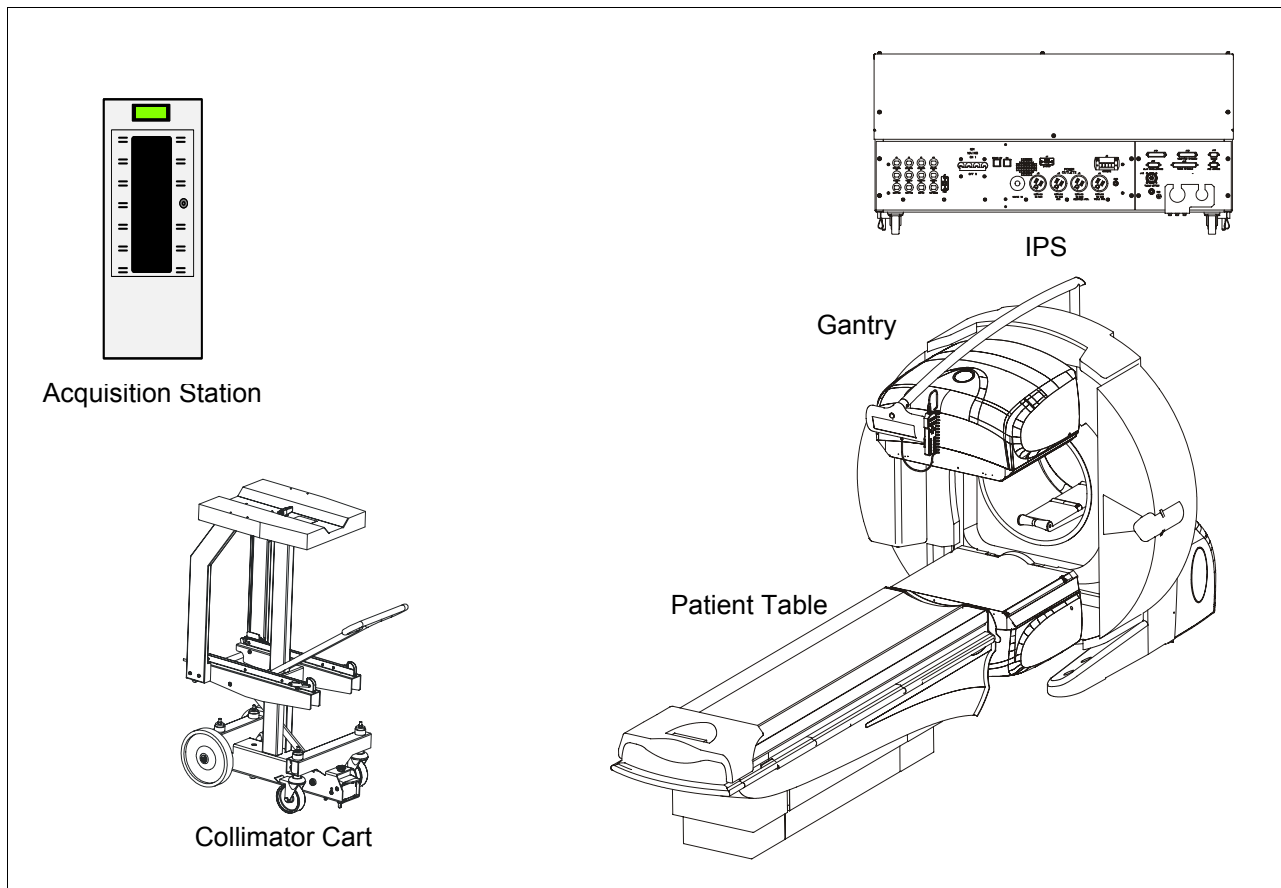


Figure 2-1 Infinia System Components

2.1.1 Gantry

The gantry is shipped in a wooden container with the detectors already fitted. The container is designed to provide limited protection against mechanical impact during the shipments. The Gantry covers are shipped in a separate container.

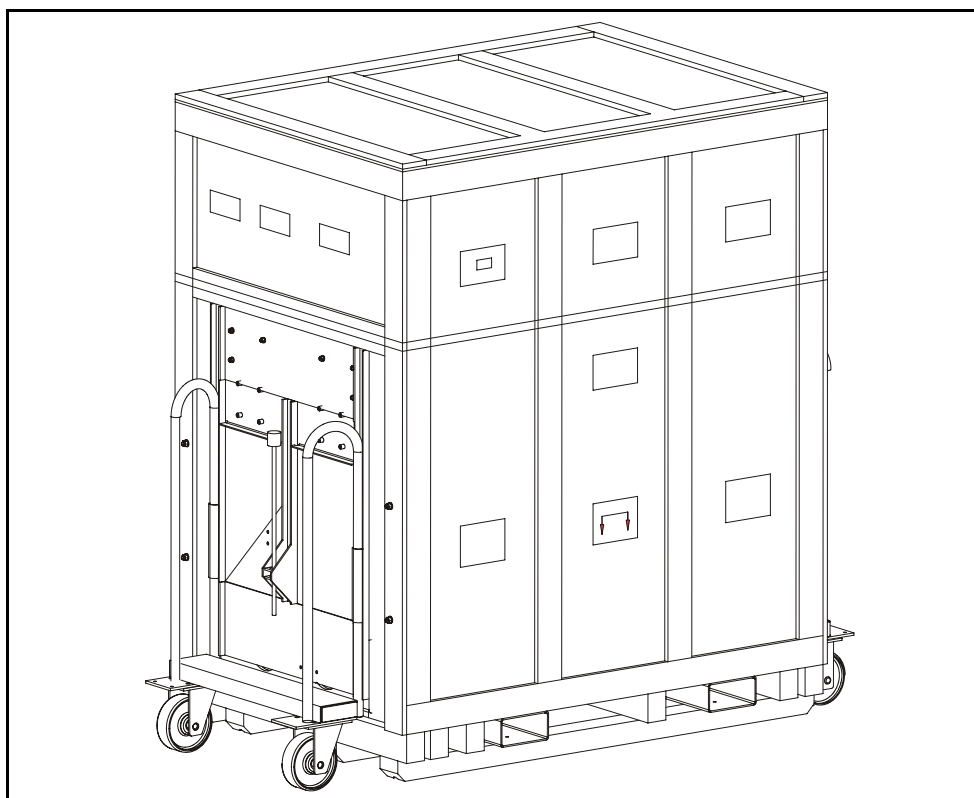


Figure 2-2 Gantry Shipping Container

The Gantry Weights and Measurements are listed in [Table 2-1](#)

Weights and dimensions of the unpackaged system modules are shown in [Table 2-7](#).

Table 2-1: Gantry Crated Weights and Measurements

Unit	Weight	Dimensions / mm (in)		
	kg (lbs)	Height	Length	Width
Gantry & Detectors	2800 (6173)	2085 (82)	2340 (92)	1286 (50.6)
Covers Hawkeye	150 Kg (331)	1483 (58.4)	1458 (57.4)	1058 (41.7)
Covers (No Hawkeye)	150 Kg (331)	1174 (2588)	1688 (65.66)	1058 (41.7)

2.1.2 Integrated Power Supply (IPS)

The Integrated Power Supply (IPS) is shipped separately and is attached to the gantry during installation.

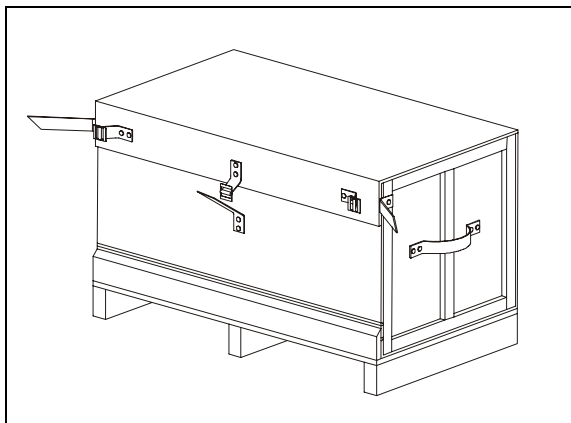


Figure 2-3 IPS Shipping Container

The Weights and Measurements of the IPS are listed in [Table 2-2](#)

Weights and dimensions of the unpackaged system modules are shown in [Table 2-7](#)

Table 2-2: IPS Crated Weights and Measurements

Unit	Weight	Dimensions / mm (in)		
	kg (lbs)	Height	Width	Depth
IPS	80 (176)	713 (1572)	1140 (2513)	640 (25.2)

2.1.3 Patient Table

The Patient Table is shipped in a wooden container designed to support the table and provide limited protection against mechanical impact.

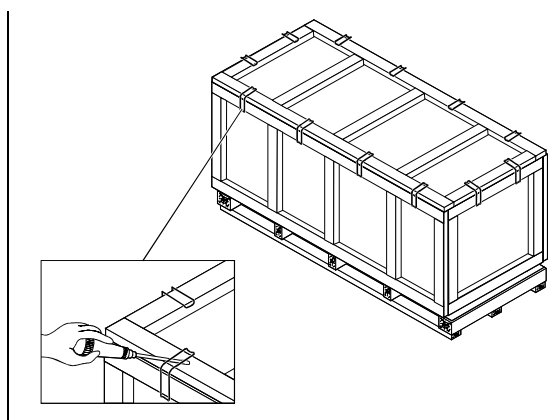


Figure 2-4 Patient Table Packing Container

The Weights and Measurements of the Patient Table are listed in [Table 2-3](#). Weights and dimensions of the unpackaged system modules are shown in [Table 2-7](#)

Table 2-3: Patient Table Crated Weights and Measurements

Unit	Weight	Measurements / mm (in)		
	kg (lbs)	Height	Width	Depth
Table	600 (1322)	1275 (52)	2854 (112)	872 (34)

2.1.4 Acquisition Station

The Acquisition Computer Weights and Measurements are listed in [Table 2-4](#).

Weights and dimensions of the unpackaged system modules are shown in [Table 2-7](#)

Table 2-4: Acquisition Computer Container Weights and Measurements

Unit	Weight	Measurements / mm (in)		
	kg (lbs)	Height	Width	Depth
Computer, Monitor & Accessories	100 (220)	938 (36.9)	1325 (52.2)	895 (35.2)

2.1.5 Collimator Cart

The Collimator Cart is designed to transport and store two collimators, and is shipped with the collimators attached.

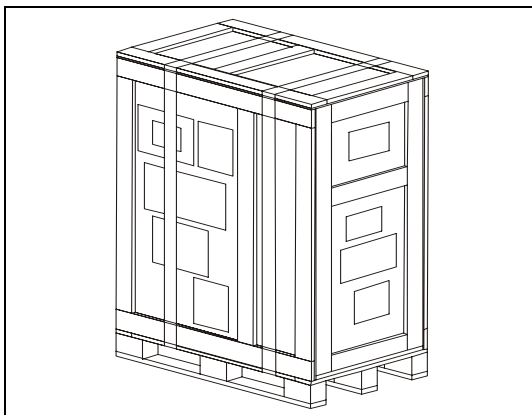


Figure 2-5 Collimator Cart Packing Container

The Collimator Cart Weight and Measurements are listed in [Table 2-5](#). The weights for the different collimators are shown in [Table 2-5](#).

Weights and dimensions of the unpackaged system modules are shown in [Table 2-7](#).

Table 2-5: Collimator Cart and Crate Weights and Measurements

Collimator	Weight kg (lbs)	Measurements / mm (in)		
		Height	Width	Depth
LEGP-35	260 (573)	1462 (57.6)	1080 (42.5)	750 (29.5)
LEHR-45	280 (617)	1462 (57.6)	1080 (42.5)	750 (29.5)
MEGP-5	367 (809)	1462 (57.6)	1080 (42.5)	750 (29.5)
MEGP-6	423 (933)	1462 (57.6)	1080 (42.5)	750 (29.5)
Pinhole and Dummy	309 (681)	1462 (57.6)	1080 (42.5)	750 (29.5)

2.1.6 Hawkeye System (Option)

These components of the Hawkeye option are shipped in three packages:

- X-ray Source assembly
- X-ray Detector assembly
- Mechanical Assembly, Documentation and Software CD

The weights and measurements of the packages are listed in the table below

Table 2–6: Hawkeye System Integrated Options (incl packaging)

Package	Dimensions (L, W, H)		Weight	
	cm	inch	kg	lb.
X-ray Source Assy.	L:100 W:60 H: 60	L:39.37 W:23.6 H:23.6	110	243
X-ray Detectors Assy.	L:100 W:60 H: 60	L:39.37 W:23.6 H:23.6	110	243
Mech. Assy., Documentation + SW	L: 60 W:70 H: 80	L:23.6 W:27.6 H:31.5	30	66

2.2 Weights and Dimensions of Unpackaged Components

Weights and dimensions of the unpackaged system components are shown in [Table 2–7](#).

Table 2–7: System Component Weights & Measurements

Unit	Net Weight	Measurements / mm (in)		
	kg (lbs)	Height	Width	Depth
Gantry (incl detectors) 3/8"	2250 (4960)	1680 (66.14)	1035 (40.75)	1600 (63)
Gantry (incl detectors) 1"	2270 (5004)	1680 (66.14)	1035 (40.75)	1600 (63)
Gantry Full Configuration (with detectors) ^a	2700 (5952)	1900 (74.8)	1750 (68.9)	1950 (76.8)
Collimator Cart	65 (143)	1257 (49.5)	907.5 (35.7)	500 (19.7)
Collimator LEGP-35	50 (110)	698 (27.5)	61.0 (2.4)	615.5 (24.2)
Collimator LEHR-45	60 (132)	698 (27.5)	61.0 (2.4)	615.5 (24.2)
Collimator HEGP-6	131 (289)	698 (27.5)	86.5 (3.4)	615.5 (24.2)
Collimator MEGP-5	103 (227)	698 (27.5)	78.5 (3.1)	615.5 (24.2)
Collimator Pinhole	98 (216)	698 (27.5)	178 (7.0)	615.5 (24.2)
Collimator Pinhole Dummy	50 (110)	698 (27.5)	61.0 (2.4)	615.5 (24.2)
Table & Stretcher	400 (880)	Raised - 867 (34.1) Lowered - 567 (22.3)	2500 (98.4)	700 (27.6)
IPS	41.2 (90.8)	418 (16.5)	877 (34.5)	454 (17.9)

a. With heaviest collimators and Gantry Display Arm without Hawkeye option.

If the Hawkeye option is installed, add 100 kg (220 lbs)

