

Fluent movement

2-axis robot (azimuth and zenith)

High precision

Repeatability: < 0.13 degree

Heavy scale model

Maximum weight of the scale model: 19kg

Large scale model

Maximum scale model dimension: 1.4m

Fast

Average seek time: 20 sec

No Reset time. Ready to go everytime

Thanks to absolute encoders

Easy clamping of the model

Aluminum guide in the table

Allow user devices on the table

Thanks to accessories to fix cameras

Safe use of user device

Internally routed cables

Powerful instruction set

Entirely programmable

Structure for heavy duty use

Welded and bolted steel structure with opaque powder coated

Simple positioning

Four casters and four precision levelling foot

Easy installation

Customer can install it himself

Standard Interface

USB 1.1 or greater

1 Worldwide use

2 Universal AC input 88-260VAC 47-63Hz and 130-360VDC, PFC

Integrated support for accessories

Shelf under the zenith axis for DMM and others

Upgradable by steps

Many options can be added by the user at will

Worldwide web page support

Driver, documentation and firmware available for download

Options

Friendly to use

Powerful pluggable Windows graphical user interface

Different level of accuracy

Multiple light sources available

Small space required

Precision mirror to fold the light path

Measure light quantity

Integrated and miniaturized luxmeter system

Accurate alignment

Integrated laser system for installation and calib.

Integrated in betanit ecosystem

Camera and Video kits for photo/video recording

Automatic Heliodon with two robotic axis

Betanit - Orange V Heliodon

It positions the model around two axes automatically and accurately. It is very convenient to carry out frequent tests on large and heavy models for which you want to automate the analysis. Orange V Lab Heliodon is able of fluent movement for video shooting and real time presentation.

Motorized axis

2 (azimuth and zenith)

Repeatability

< 0.13 degree

Max scale model weight

19kg

Max speed

400 deg/min

Positioning

2x 14bit absolute encoders

Interface

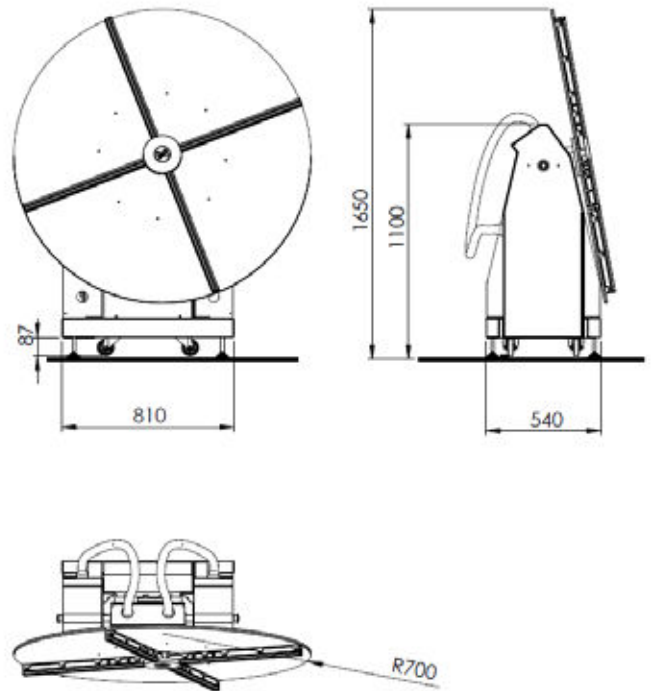
USB 1.1

Body variants

Code order example

HEO5-PRO-C2-IRC13-TR0-CA4-P0

Movement type	PRO	Go to place
	LAB	Synchronized axis (fluid motion)
Local control	C0	None
	C2	2x panels for fine positioning
Internal routed cable	IRC0	No hole
	IRC10	10mm hole
	IRC25	25mm hole
Trigger signal	TR0	None
	TR2	Two optoisolated output
Casters	CA0	None
	CA4	Four casters
Power cable	P2	Schuko
	P1	Italian
	P0	No plug



Overall dimension in mm (with support table TAB-T140-H).

Support table variants

Code order example

TAB5-IRCXX-T140-H-CL0, IRCXX code from the body variant

Size	T90	90cm diameter support table
	T140	140cm diameter support table
Model	H	Heavy (h: 60mm)
	L	Light (h: 40mm)
Colour	CL0	Black
	CLW	White
	CLC	Custom RAL

Maximum power: 620W.

Weight: 150 to 170 kg (depends on the model).

Operating and Storage Conditions

Operating Temperature 5°C to 40°C ambient

Relative Humidity < 70% (non-condensing)

Storage Temperature -5°C to 55°C

Computer Requirements

a Windows (7 or higher), Mac OS, Linux (kernel 2.6 or above), computer with USB1.1 or greater.

For the GUI heliodon control software

a Windows (7 or higher).

<http://www.betanit.com/orange>

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