



Electro Optical Components, Inc.

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Stepper table

The stepper table is a positioning table that moves the object vertically to the scanning direction of the optical system (Push-Broom Scanning).

The table is optimized for use with our own spectral imaging systems.

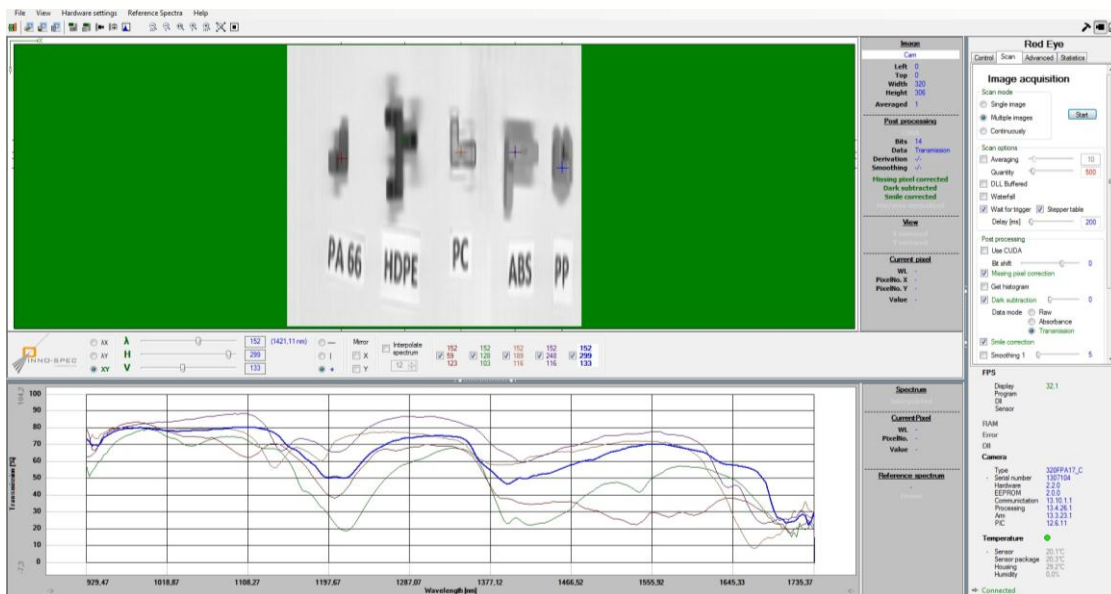


Electronics	
connector	RS 232
power consumption	600W
power supply	220V
positioning modes	point-to-point and continuous mode
drive train	stepper motor
Mechanics	
dimensions l x w x h	580 x 770 x 520-780 mm
dimensions sample plate l x w	430x600mm
max. moving way	305 mm
max. speed	~ 5,5 mm/s
resolution	< 10 µm
housing	anodized aluminium
weight	38,5 kg
table surface	ceramic tile
max. carrying capacity	30 kg
Lighting	
type	line illumination
light source	halogen spots (2x12 a 20 W)
position	adjustable
life time	< 2000h
Operating Conditions	
temperature (operating)	0 to +60°C
temperature (transport)	0 to +80°C

The table can be upgraded by adding the option for scanning in a second direction. This is useful if measurements with a high magnification are needed. The camera might not be able to capture the whole sample plate in one scan then, and scanning in x and y directions might be needed to cover the whole sample.



The stepper table is controlled by the data acquisition software SiCap GB just like our spectral imaging systems.



Accessories:

- Dark ceramic tile
- LED line lighting

Customized Solutions

If the application requires changes to our product or additional software tools, customization can be done without large NRE costs. inno-spec also offers spectrographs and spectral imaging systems in the UV, VIS, VNIR, NIR and MIR wavelength range, along with lighting and accessories.