



Integra 3™

The world's most advanced micromanipulation system

## Integra 3™ Specifications

<b>Manipulators Fine Control</b>	X,Y and Z movement from one lever X,(X = side to side, Y = front to back, Z = up and down) Sub-micron resolution 1.0mm Adjustable X and Y travel, 5mm Z travel
<b>Manipulators Coarse Control</b>	X and Y movement, 10 micron resolution, 4mm X and Y travel
<b>Toolholders</b>	Fast pipette location Pipette angle adjustment - 16 to 40 degrees
<b>Heating system</b>	Thermosafe Air Heating System with: Heated Metal insert: 16mm (standard) 25mm (optional) ITO Heated Glass insert (optional)
<b>Temperature Control</b>	Accuracy: stability better than $\pm 0.1^{\circ}\text{C}$ when calibrated against known reference Resolution $0.1^{\circ}\text{C}$
<b>Displays</b>	LCD touch screen displays for temperature control
<b>Connectivity</b>	USB Type B socket for connection to PC running RI Viewer software. Refer to software manual for further information Connected PC to be compliant with IEC 60950-2
<b>XY Stage</b>	Aluminum heated stage plate 40mm travel in X and Y, 28mm per turn
<b>Syringes</b>	Choice of SAS (air), SAS-SE (air) and SOS (oil)
<b>Weight</b>	Maximum weight of microscope mounted componens (excluding front and rear adapters): 10.4kg Actual weight is configuration dependent
<b>Dimensions</b>	Footprint (not including microscope): width 56cm, depth 38cm
<b>Power Supply</b>	Input:100-240VAC, 50-60Hz, Max. 1.8A, Class I Output: 12VDC, Min. 11A (132W)
<b>Operating Range</b>	Temperature: $15^{\circ}\text{C}$ ( $59^{\circ}\text{F}$ ) to $40^{\circ}\text{C}$ ( $104^{\circ}\text{F}$ ) Humidity: 15% to 85% RH (non-condensing)



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