

2D Heterostructure Transfer & Characterisation System

Features – Transfer System:

- Precision glass slide tilt for wet transfer
- Dual slide holder for dry transfer
- Chuck Theta >0.01° fine adjustment
- Standard 4" or optional 6" & 8" chuck sizes
- Fast swap 2" hot chuck, RT to 200°C

Features – Characterisation System:

- Linear X-Y stage, 2"-2", 3"-3", 4"-4"
- Precision Microscope X-Y panning stage $\pm 25\text{mm}$
- Flexible positioning of fibre 0 to 90°
- Hard chrome plated platen
- Linear backlash free coaxial X-Y stage
- Wet/dry 2D transfer system.
- Precise chuck rotation for sample alignment
- 200TPI 0.3 μm X-Y-Z positioning
- Quick chuck removal for characterisation
- DC/RF and photonic probing
- Improved stability and ease of use
- One stage for fine and quick positioning

Accessories:

- RF probe/cables
- Low current/capacitance probe
- High voltage probe
- Hot chuck
- Vibration free table
- Shielding box/dark enclosure
- Fibre Optic Probing

Specifications:

- Chuck Theta >0.01° fine adjustment
- Chuck up/down 4mm (adjustable)
- Steel chuck with individual vacuum switches
- Linear backlash free X-Y travel
- Fine position at ~10 micron resolution
- Quick motion ~25mm drive per revolution

Dimensions:

- C-4 = 480mm W x 410mm D x 550mm H
- Weight 23kg including microscope



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