

## **200mm x 200mm XY OEM Stage** **Crossed Roller Bearing**



This 200mm x 200mm stage is an example of an OEM assembly based on our CS crossed roller bearing stage series. In place of the standard anodized aluminium, a nickel coating is used to make the assembly safe for ESD sensitive microelectronic components. The two axes are aligned orthogonal to better than  $\pm 5$  arc-sec ( $\pm 25\mu\text{rad}$ ). IMS MDrive step motors with integrated controllers simplify system integration, with only power and RS422/485 serial communication required for closed loop positioning to the  $0.5\mu\text{m}$  resolution linear encoders. A power and serial communication output are provided on the connector panel to support an MDrive equipped Z axis stage. A similar stage assembly with standard 2 phase stepper motors without integrated controllers is also being produced.

