MR-30028 – Precision Wafer Rotation Stage

The **SMAR**SHIFT MR-30028 rotational stage is a large-area rotator with a diameter of 300 mm and a large aperture of 110 mm. It features high speed, high torque and long lifetime at uncompromising precision. Its compact footprint and low profile simplifies integration into existing systems and leaves enough space for your application.



Applications

The MR-30028 rotator has been specifically designed as a wafer rotation stage. As a platform for up to 300 mm (12") wafers, it can be used for metrology methods (such as reflectometry, reflecion spectroscopy, spectroscopic ellipsometry (VASE), and others) or for manufacturing (for wafer bonding, EUV lithography, and others). Additional application areas include optical alignment of heavier objects in photonics industry and astronomy.

All **SMAR**SHIFT products are suitable for use in ambient conditions and inert gas environments, including as helium and nitrogen. Cleanroom options are available.
Travel: ∞ Dimensions (mm): 300 × 28 Weight: 5 kg

	Mechanical
Travel [°]	∞
Max. Normal Force [N]	1000
Dimensions [mm]	300 × 28
Weight [g]	5000
Aperture [mm]	110
	Material
Base Material	Aluminum, black anodized
	Closed-Loop
Sensor Types	S
Sensor Resolution [µ°]	<1
Closed-Loop Angular Velocity [°/s]	540

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