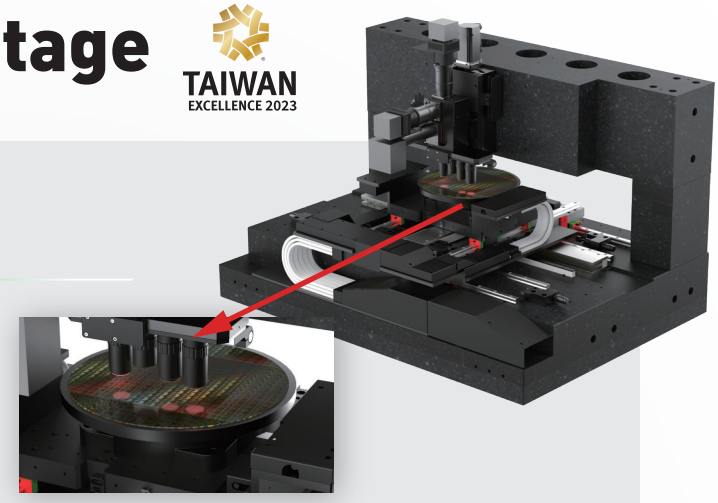
HIWIN® MIKROSYSTEM

N2

Nano Positioning Stage

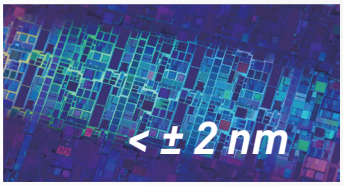
TAIWAN EXCELLENCE 2023



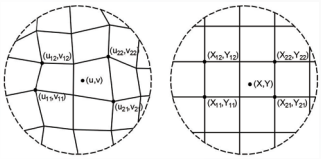
Characteristics

- ☑ Nano positioning stability ±2 nm
- ☑ High velocity stability ±0.1%@ 100 mm/s
- ☑ High geometric accuracy
- ☑ Customized modular design

nm accuracy

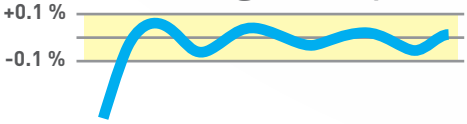


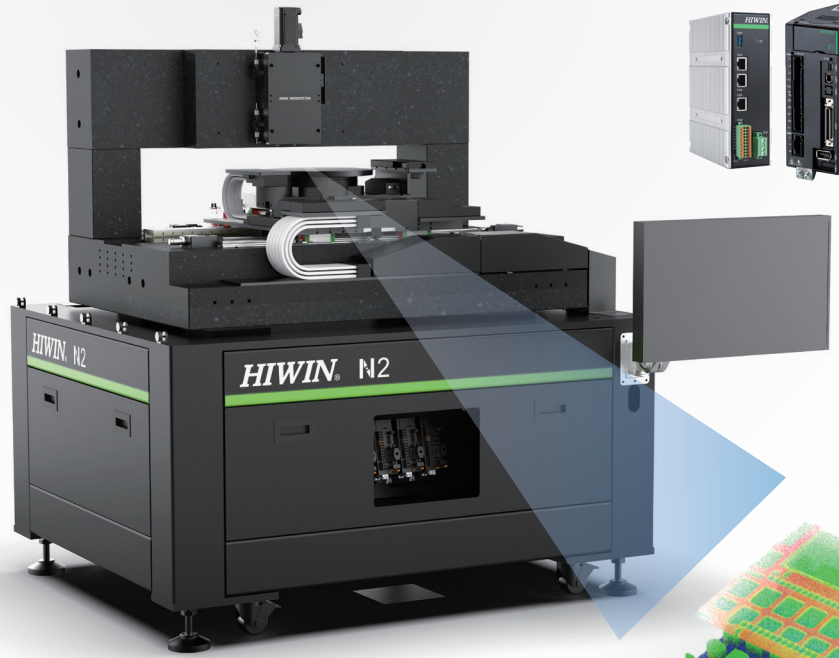
2D error correction



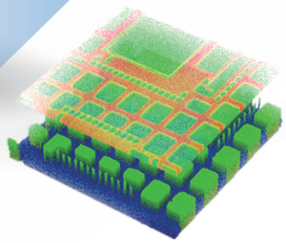
Velocity ripple

±0.1 %@ 100 mm/s



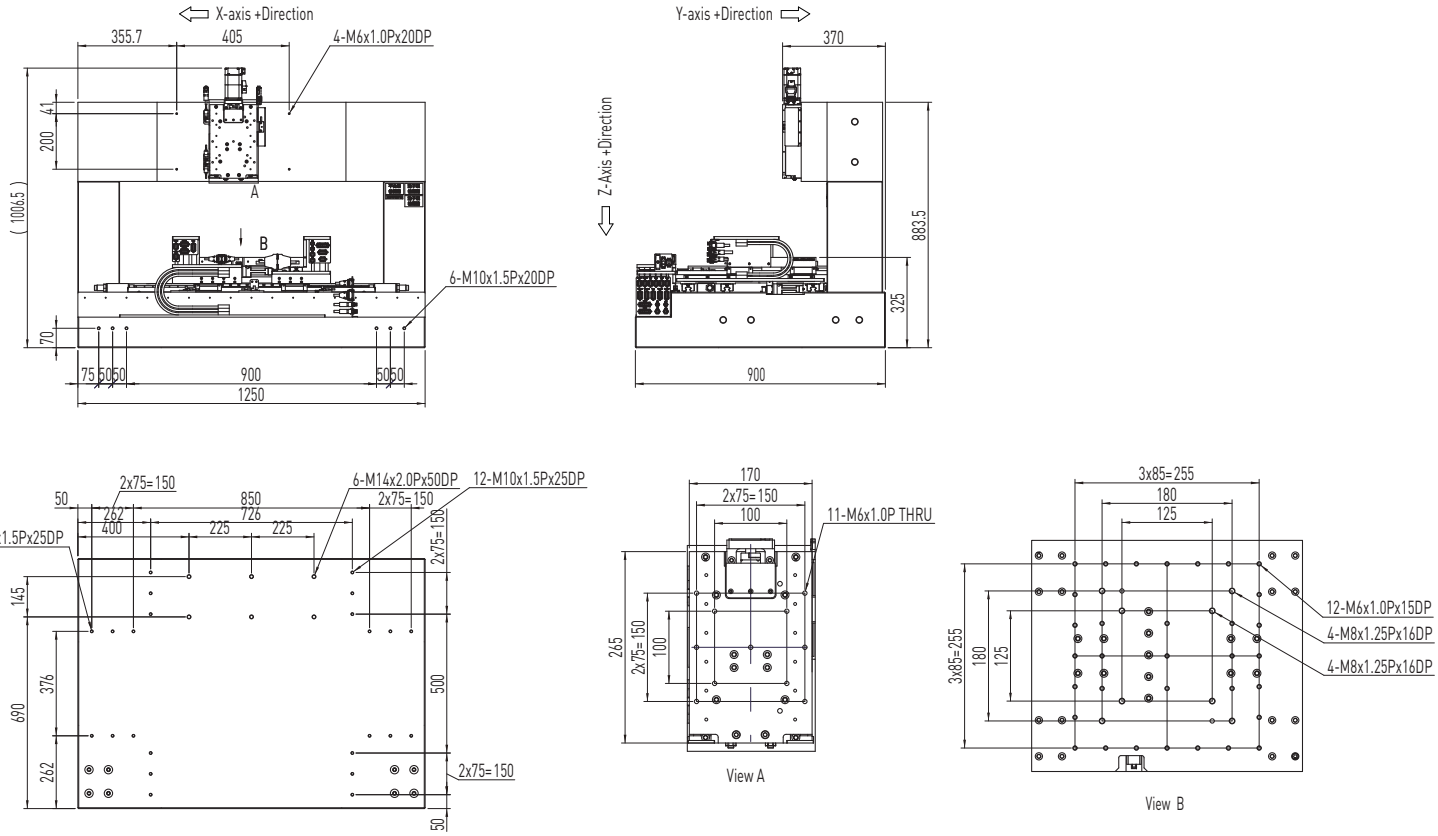


One Stop Service



www.hiwinmikro.tw

Dimensions



Specifications

	Unit	X	Y	Z
Stroke *	mm	450	320	17
Encoder Type	-	Optical, Analogue, 1 Vpp		
Repeatability	μm	± 0.2		± 0.2
Accuracy	μm	± 0.5		± 0.5
Horizontal / Vertical Straightness	μm	± 3		± 1
Yaw / Pitch	arc-sec	5		5
Max. Payload *	kg	20		10
Max. Velocity *	m/s	0.4		0.03
Max. Acceleration *	m/s^2	2		1
Orthogonality	arc-sec	5		-
Velocity Ripple	-	0.1%@100mm/s		-
Position Stability	nm	± 2		

* All specifications can be designed according to customer demands.

The specifications in this catalog are subject to change without notification.

Copyright © HIWIN Mikrosystem Corp.
©2025 FORM MM11DE01-2507 (PRINTED IN TAIWAN)