



# VRG-III SERIES

- ▶ A versatile gantry stage motor force in line with the bridge's COG
- ▶ Use ironcore AJM, AKM motor
- ▶ High force density

EN-26.3.1



## Ordering Part Number (OPN)

**VRG3-H0202-K03J03A731-A2**

Model:

VRG3

Gantry Config:<sup>1</sup>

H: H-Gantry  
T: T-Gantry

Lower Axis Stroke:<sup>2</sup>

02: 200mm  
03: 300mm  
04: 400mm  
05: 500mm  
06: 600mm  
07: 700mm  
08: 800mm

Upper Axis Stroke:<sup>2</sup>

02: 200mm  
03: 300mm  
04: 400mm  
05: 500mm  
06: 600mm  
07: 700mm  
08: 800mm

Lower Axis Motor:

K03: AKM30-B2-J (Peak Force: 483.2N)  
K04: AKM30-B2-K (Peak Force: 483.2N)  
K05: AKM30-B4-J (Peak Force: 966.3N)  
K06: AKM30-B4-K (Peak Force: 966.3N)  
K22: AKM50-B2-J (Peak Force: 805.3N)  
K23: AKM50-B2-K (Peak Force: 805.3N)  
K24: AKM50-B4-J (Peak Force: 1610.5N)  
K25: AKM50-B4-K (Peak Force: 1610.5N)  
K42: AKM100-B2-J (Peak Force: 1610.5N)  
K43: AKM100-B2-K (Peak Force: 1610.5N)  
K44: AKM100-B4-J (Peak Force: 3221.1N)  
K45: AKM100-B4-K (Peak Force: 3221.1N)

Termination:

2: Motor: DSUB 9W4/  
Encoder: DSUB 15/Hall: DSUB 9  
3: Motor: M23/  
Encoder&Hall: M23

Cable Length:

A: 0.5m  
B: 3.0m

Scale Type:

1: Steel Tape, 11ppm/K

Encoder Type:

AD0: ABA-20, BiSS C (50nm)  
A71: ABA-50, Mitsubishi 2-Wires (50nm)  
A73: ABA-50, EnDat 2.2 (50nm)  
ABA: ABI-51X, SINCOS (1Vpp)  
ABF: ABI-51X, TTL (0.5µm)  
ABH: ABI-51X, TTL (0.1µm)  
R2F: Quantic, TTL (0.5µm)  
R2H: Quantic, TTL (0.1µm)

Upper Axis Motor:

J03: AJM30-B4-J (Peak Force: 429.4N)  
J04: AJM30-B4-K (Peak Force: 429.4N)  
J30: AJM80-B2-J (Peak Force: 550.2N)  
J31: AJM80-B2-K (Peak Force: 550.2N)  
J45: AJM100-B2-J (Peak Force: 704.5N)  
J46: AJM100-B2-K (Peak Force: 704.5N)  
J47: AJM100-B4-J (Peak Force: 1409.1N)  
J48: AJM100-B4-K (Peak Force: 1409.1N)

Note:

- <sup>1</sup> All Gantries are Black Anodized. H= Dual motor dual encoder, T= Single motor single encoder.
- <sup>2</sup> Standard stroke in intervals of 100mm only, for more options, customization is required.
- ★ Products can be customized to meet specific working environment, please contact [cust-service@akribis-sys.com](mailto:cust-service@akribis-sys.com).