

KAM Series

Advanced Solution

● ● WHY CHOOSE KAM SERIES

MECHANISM

High performance rack arranged trochoidal tooth applied shrink fitting pinion. Two on pin provided with a roller which is a rolling contact with the tooth surface.

MODEL

Straight (Unlimited Length) Circle Straight and curve (Unlimited Angle)

ADVANTAGE

Unsurpassed Accuracy : Minimize Backlash (Positioning Accuracy : $\pm 30\mu m$)
 Ultimate speed : Up to 3m/s on request
 Cleanness : Our products are invented for the cleanroom fully applicable for food industries as well.

INDUSTRY PROBLEMS	Ball Screw	Traditional Rack&Pinion	Belt Drives	Chain Drives	Linear Motor Direct Rotary Stage Direct Drive Motors	Rack & Pinion	Detail
Low Accuracy			✓	✓		High Positional Accuracy	Positioning Accuracy, : $\pm 30\mu m$
Backlash/Vibrations	✓	✓	✓	✓		Zero-Backlash	
Cost	✓	✓			✓	Economical, Efficient Components	Simple structure of machine
Dirty Operation	✓	✓	✓	✓		No Dust, Cleanness	Minimize Lubrication
High Maintenance	✓	✓		✓	✓	Trouble free	High shock resistance, High Rigidity
Low Load Capacity			✓		✓	High Load Capacity	
Noisy	✓	✓	✓	✓		Quiet	Full Rolling Contact, Minimize slippage
Low Speed	✓	✓				High Speed	Up to 3m/s on request
Magnetic Field					✓	No Magnetic Field	
High Wear / Low Life	✓	✓	✓	✓		Long Life	Minimized debris, due to minimized wear
Limited system (Length/Size)	✓		✓	✓		Custom Rack Sizes & Modular Components	Various Selections

● ● ● APPLICATION

Cutting system, Gantry system, Material Handling, Robot Actuator, Machine Tool, Semiconductor

