

About KSS Miniature Ball Screws

KSS is a world leader in the dedicated manufacturer of miniature Ball Screws, providing miniature Ball Screws for more than 40 years. Its quality and technology of KSS Ball Screws are well recognized in the world.



【Features & Benefits】

- Specialized in miniature sized (smaller than dia. 16mm), therefore good at making whole unit more compact.
- Wide varieties of Line-up from ultra-fine lead (0.5mm) to high lead (30mm) available for wide usage, ranging from high speed and high acceleration to ultra precision positioning.
- Not only the standardized selections, but able to provide the appropriate item on request as customized items.
- We provides technical supports and calculation for the best solution to meet the customer needs.

【Unique Ball Screws】

KSS has significant unique Ball Screw line-up. For example, we have Bi-Directional Ball Screw (Photo-1) which contains right and left-handed thread on the same Shaft, to provide open/close Ball Nut movement by one motor action. Also, using the stainless steel material or applying surface treatment (Photo-2) to increase rust prevention ability. Using our Friction-Welding technology, realized to provide integrated journal end (Photo-3) for more flexible journal end design. Furthermore, we have Random Matching Rolled Ball Screw series (Photo-4) as to provide each single Ball Nut and the Shaft compatibility to match randomly, so customer can purchase the Ball Nut or the Shaft individually. This is ideal when customer makes journal machining by their own.



Photo-1



Photo-2



Photo-3



Photo-4

【Application】

KSS Ball Screws are used in the following manufacturing equipment;

- Semiconductor manufacturing (Front/Back end) equipment
- Medical Robot, Laboratory test devices / Specimen examination devices
- Industrial microscope

Also used in Missile, Humanoid robot, Surveillance camera, Space Station and astronomical telescope.

