

1.3. Capable of Fine Feed

The Ball Screw requires a minimal starting torque thanks to its rolling motion, and does not cause a slip, which is inevitable with sliding motion. Therefore, it is capable of accurate fine feeding.

Fig. 4 shows a travel distance of the Ball Screw in one-pulse, $0.1\text{-}\mu\text{m}$ feeding (LM Guide is used for the guide surface).

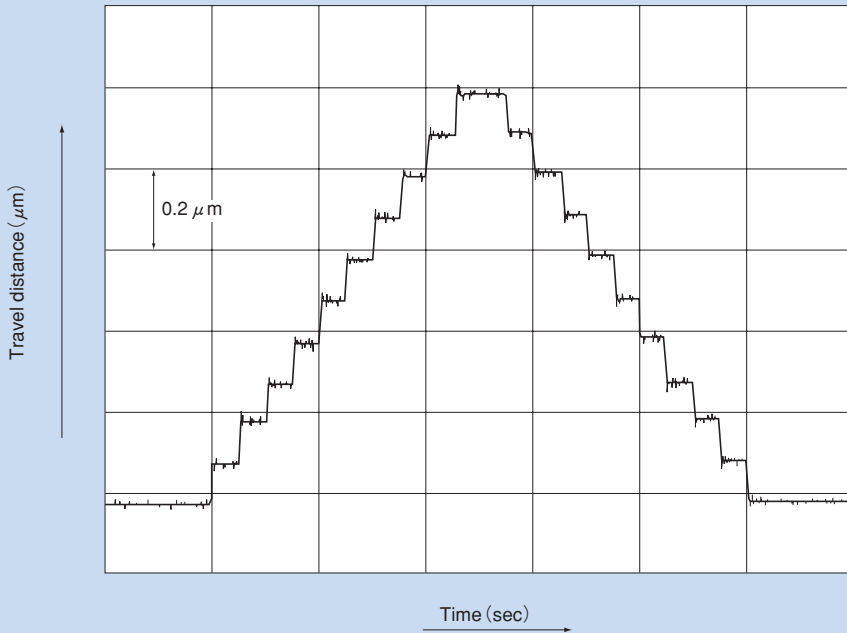


Fig. 4 Data on Travel in $0.1\text{-}\mu\text{m}$ Feeding