

Lathe Accuracy, Rigidity, Durability?



Miyano's Key Spindle Advantages

Miyano's Spindle Strength has centered around four key factors since 1948:

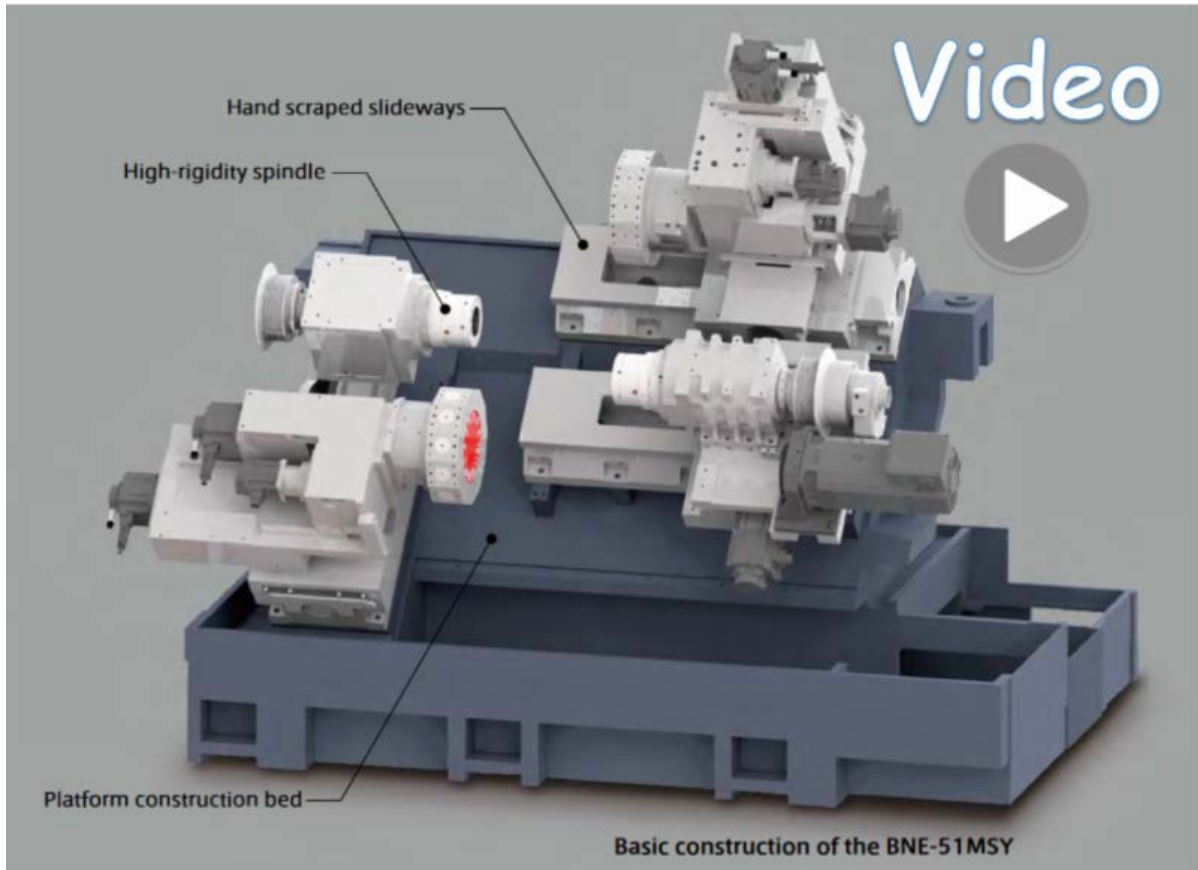
- **Large Diameter Bearings**
- **Thick-Walled Spindle Construction**
- **Precision Angular & Roller Bearing Combination**
- **Stable Rotation Due to Long Distance Between Bearings**

	Miyano ϕ 51	Competitors ϕ 51
spindle through-hole diameter	ϕ 61	ϕ 63
bearing bore diameter	ϕ 100	ϕ 90
cross-section mm ²	4,929	3,243

[Miyano - The Full Story](#)

Basic Construction of All Miyano Machines

Video



Basic construction of the BNE-51MSY

Sample Miyano Parts



Automobile Components

Hand scraped slideways are preferred by automotive manufacturers of airbags, transmissions, ABS & more.

Oil & Gas Hydraulic Parts

Highly rigid spindles are designed for large diameter drilling and tapping. 25-40 Nm cutting forces standard.

Fittings

The Miyano 'platform' bed reduces vibration in the machine, providing stable performance for years.

Up Next in the Miyano Summer Series



Thick Ribs Imparting High Rigidity

Why Not Miyano Part II High Rigidity



Hand Scraped Box Slideways

Why Not Miyano Part III High Durability

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