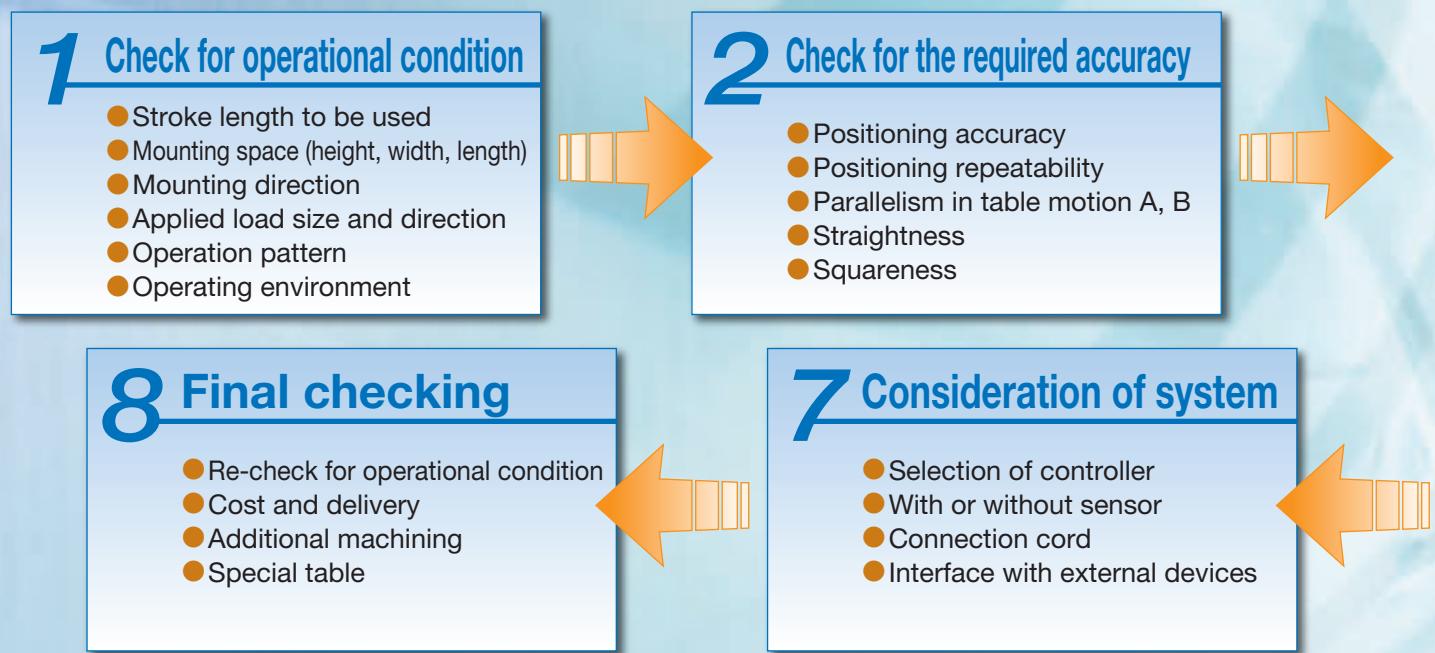


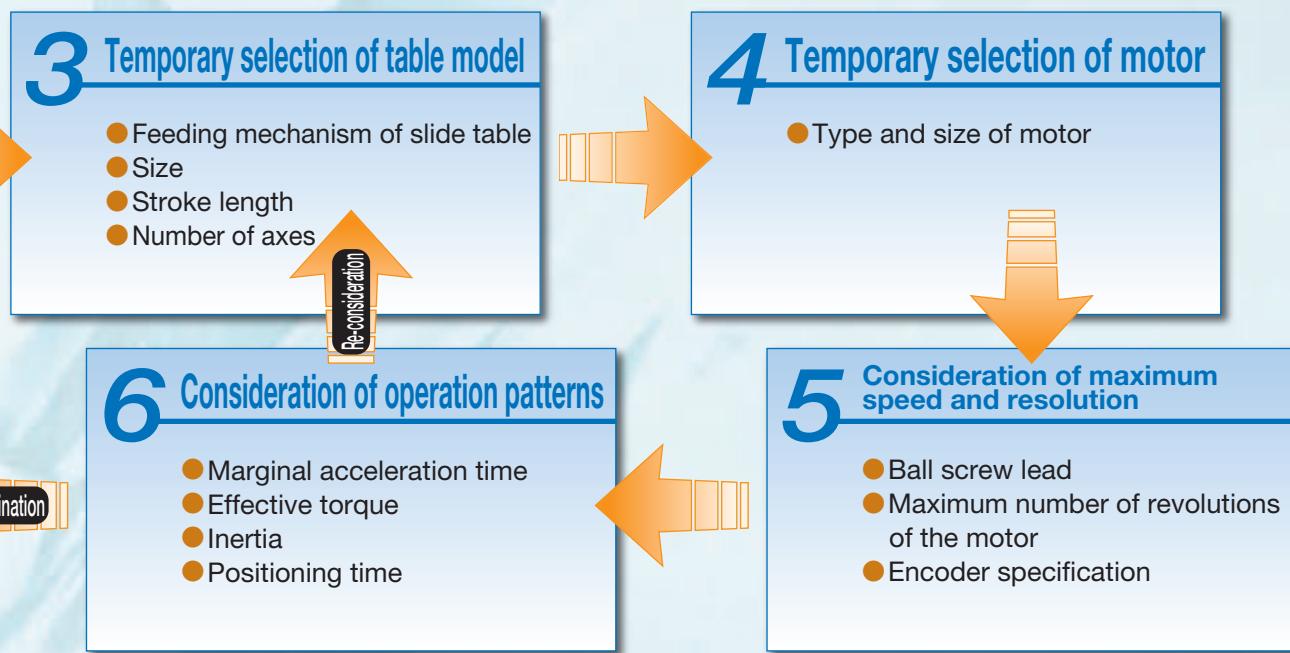
IKO Selection of Precision Positioning Table ①**IKO Selection of Precision**

IKO Precision Positioning Table should be selected taking the points related to the required conditions into careful consideration. Typical selection procedure is shown below.

**IKO Characteristics of Precision Positioning Table**

Series	Model	Stroke length mm	Positioning repeatability	Positioning accuracy	High speed	Rigidity
Precision Positioning Table TE	TE...B	50 ~ 800	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Precision Positioning Table TU	TU	30 ~ 1 400	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Precision Positioning Table L	TSL...M	50 ~ 1 000	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Precision Positioning Table LH	TSLH...M	100 ~ 800	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
	CTLH...M	100 ~ 500	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Super Precision Positioning Table TX	TX...M	100 ~ 800	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
	CTX...M	100 ~ 400	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Cleanroom Precision Positioning Table TC	TC...EB	50 ~ 800	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Micro Precision Positioning Table TM	TM	10 ~ 60	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Precision Positioning Table TS/CT	TS	25 ~ 250	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
	CT	15 ~ 250	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Precision Positioning Table LB	TSLB	300 ~ 1 200	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Nano Linear NT	NT...V, XZ, XZH	10 ~ 120	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
	NT...H	25 ~ 65	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Alignment Stage SA	SA...DE/X	10 ~ 20	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Linear Motor Table LT	LT...CE	200 ~ 1 200	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
	LT...LD	240 ~ 2 760	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
	LT...H	410 ~ 2 670	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Alignment Module AM	AM	30 ~ 120	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Positioning Table

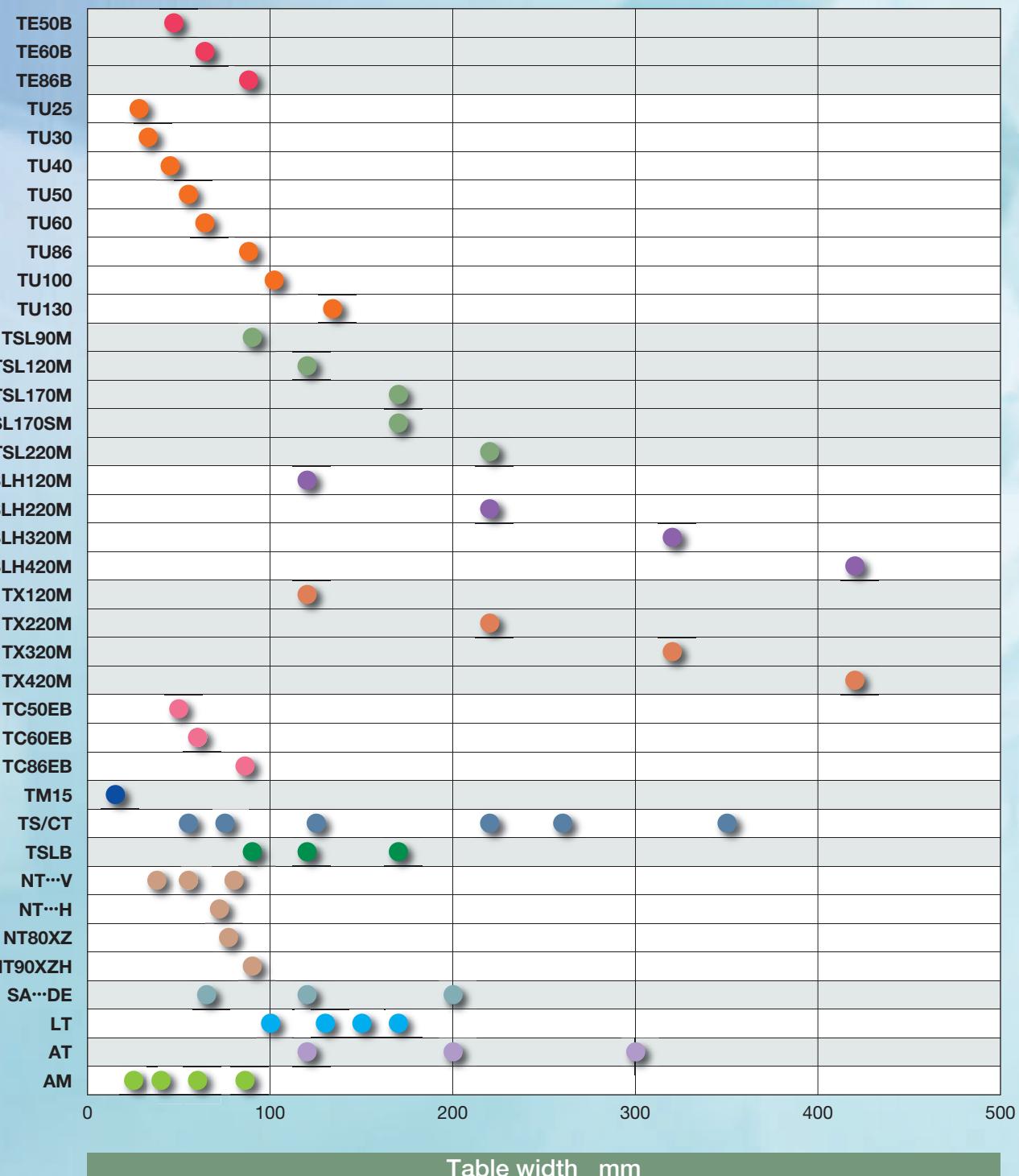


Feeding mechanism	Applied motor	With or without sensor	Linear motion rolling guide	Applications
C-Lube ball screw				
Ball screw				
C-Lube ball screw	AC servomotor/ Stepper motor	Selection	U-shaped Track Rail Linear Way with C-Lube built in U-shaped Track Rail Linear Way	Assembler, Processing machine, Measuring equipment Assembler, Processing machine, Measuring equipment
		Provided as standard	C-Lube Linear Way Parallel arrangement of 2 ways	Assembler, Processing machine, Measuring equipment Precision processing machine, Precision measuring equipment Machine tool, Assembler
	AC servomotor		C-Lube Linear Roller Way Super MX Parallel arrangement of 2 ways	Precision processing machine, Precision measuring equipment Machine tool, Assembler
Ball screw	AC servomotor/ Stepper motor	Selection	U-shaped Track Rail Linear Way with C-Lube built in Linear Way Anti-Creep Cage Crossed Roller Way Crossed Roller Way	Semiconductor related device, LCD related device Precision measuring equipment, Assembling machine Precision measuring equipment, Prober Image processing unit, Exposure equipment
Timing belt	Stepper motor		Linear Way C-Lube Linear Way Anti-Creep Cage Crossed Roller Way	High speed conveyor, Palette changer Semiconductor related device, Medical equipment Semiconductor related system, Precision measuring equipment
	AC linear servomotor	Provided as standard	C-Lube Linear Way Parallel arrangement of 2 ways	Semiconductor related device, Medical equipment Semiconductor related device, High speed conveyor
Ball screw	AC servomotor/Stepper motor		U-shaped Track Rail Linear Way	Semiconductor related device, LCD related device

IKO Selection of Precision Positioning Table ②

Size of Precision Positioning Table

Models and Sizes of Precision Positioning Table

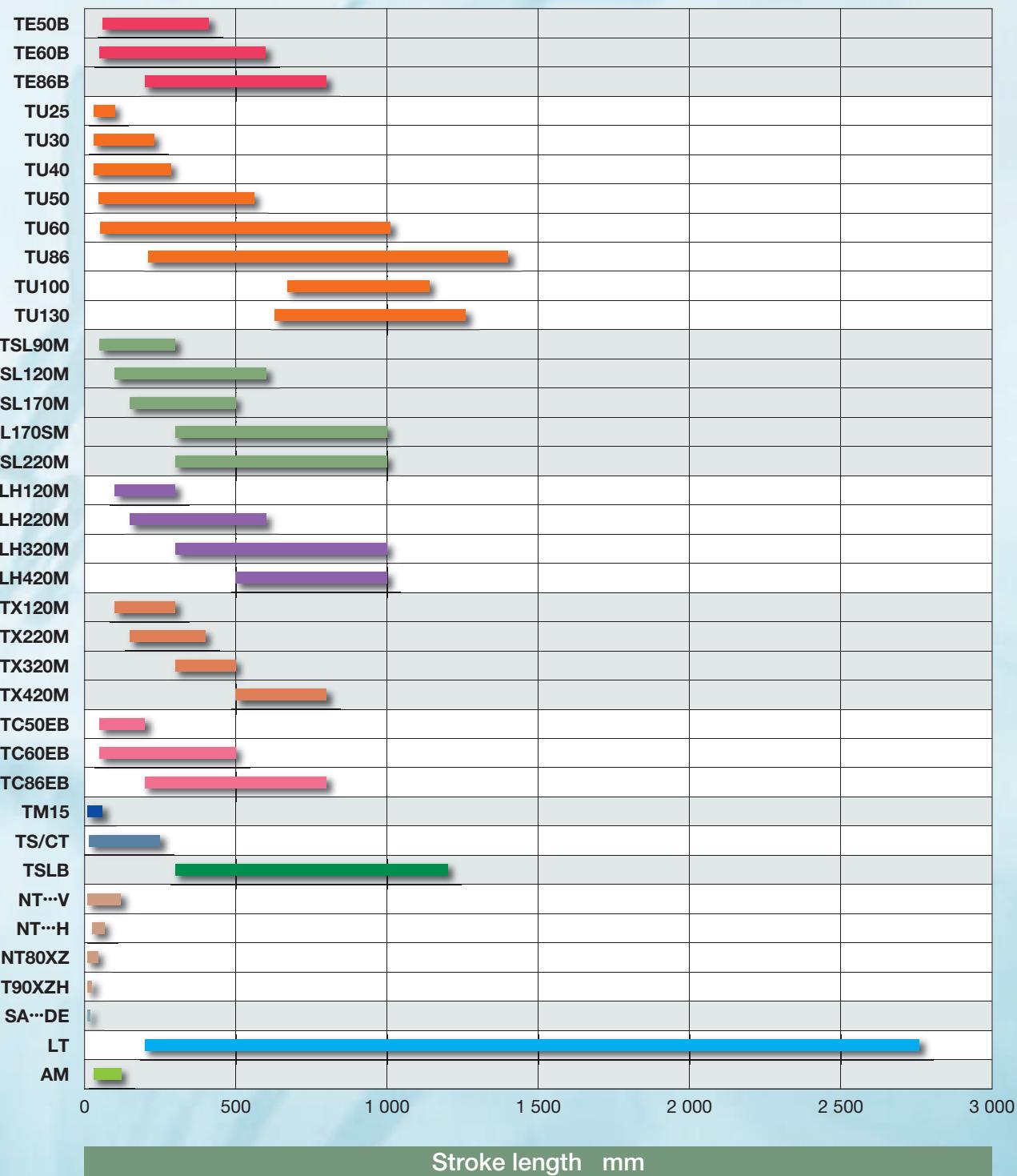


How to see the above graph

- The values shown in the graph are for reference. For details, see the explanation of each model.

Stroke Length of Precision Positioning Table

Models and Sizes of Precision Positioning Table

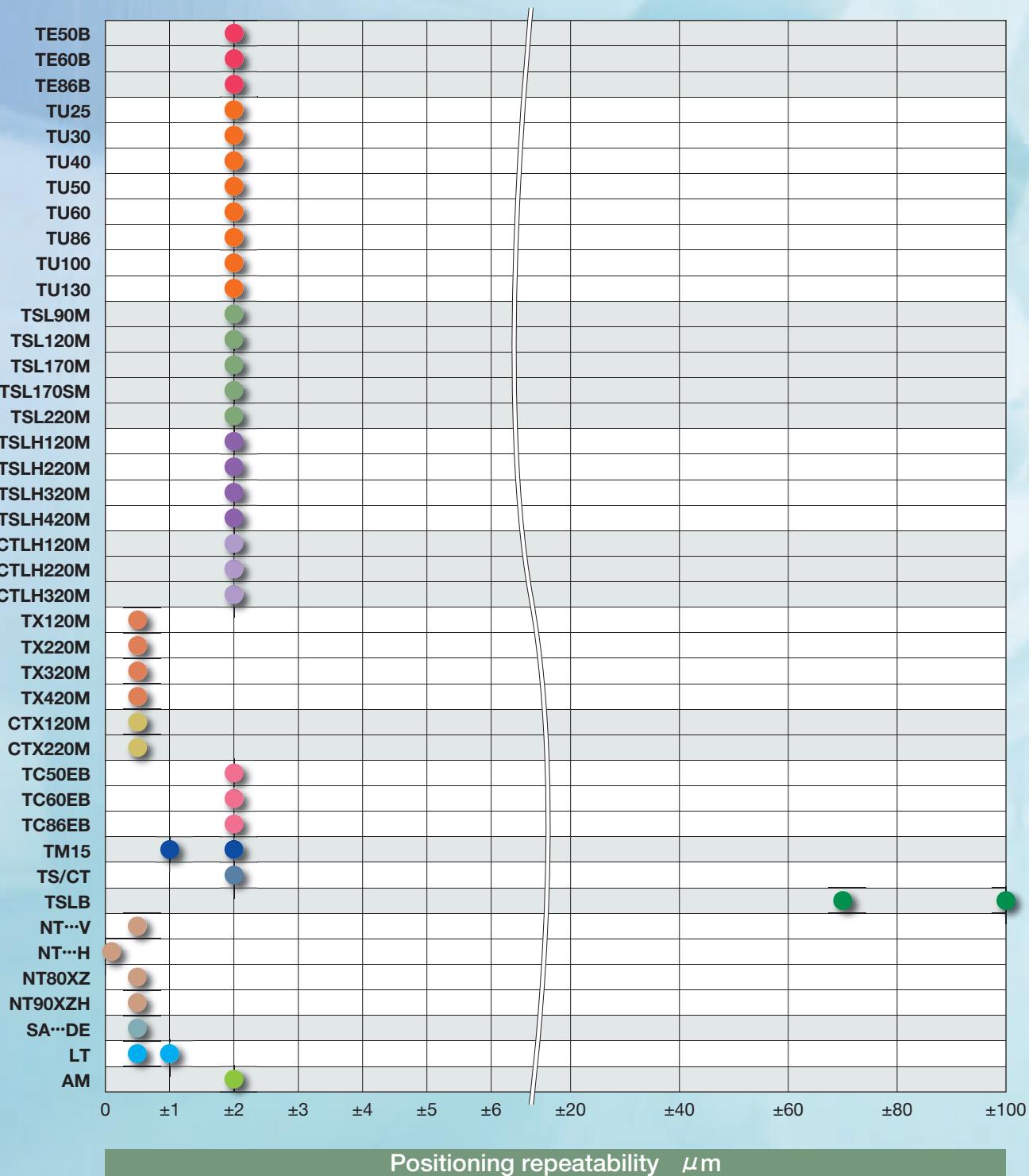


How to see the above graph

- The values shown in the graph are for reference. For details, see the explanation of each model.
- Length of a bar represents a standardized range of stroke length.

IKO Selection of Precision Positioning Table ③**Positioning Repeatability of Precision Positioning Table**

Models and Sizes of Precision Positioning Table

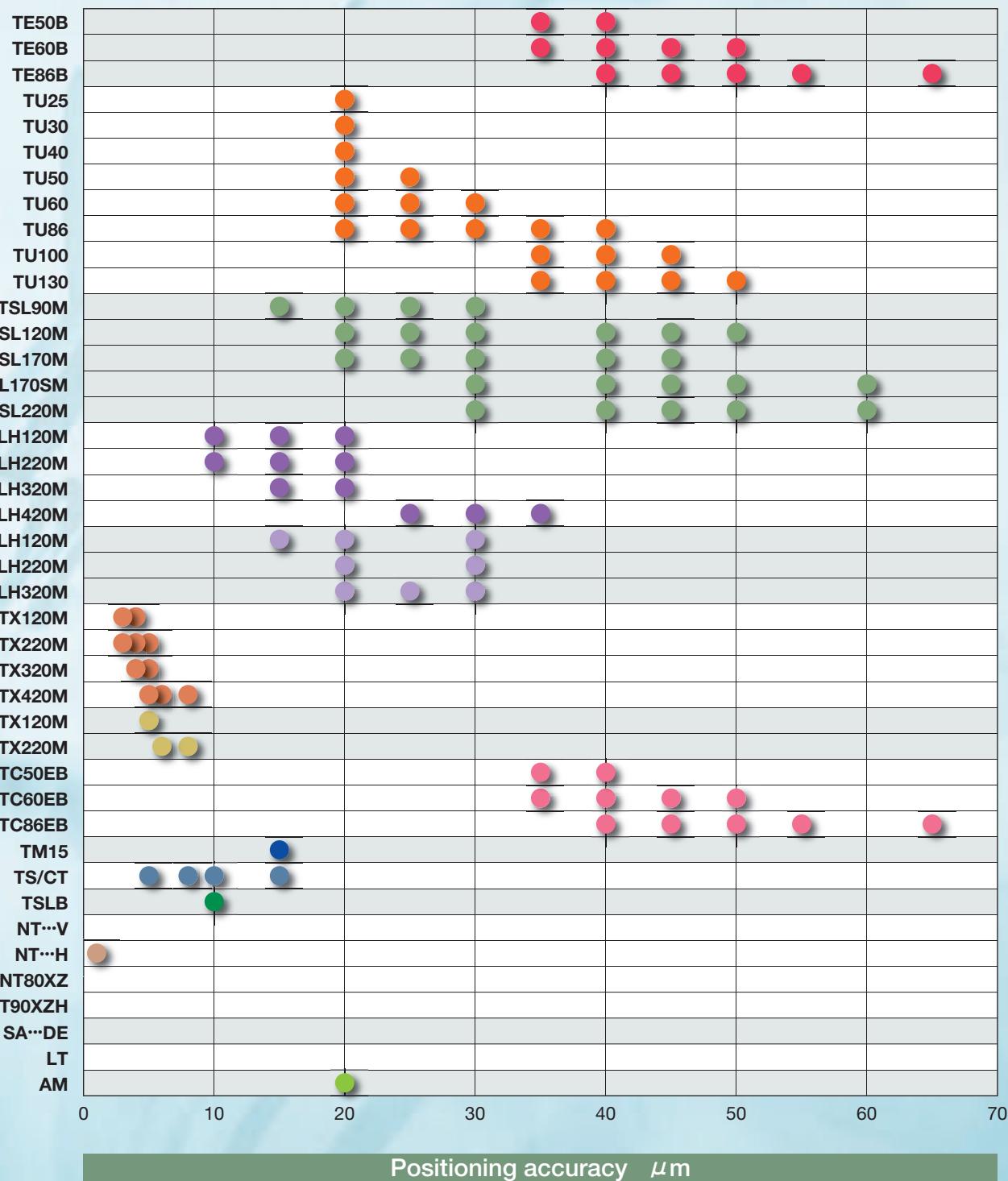


How to see the above graph

- The values shown in the graph are for reference. For details, see the explanation of each model.
- For models of ball screw drive, the value of the case selected ground ball screw is indicated.
- When two or more values are indicated for a model, this means that the applicable value depends on the stroke length.
- For TU, the value of the standard table is indicated.
- CTLH…M, CTX…M and CT are tables of two-axis specification.
- SA…DE represents value in X-axis.

Positioning Accuracy of Precision Positioning Table

Models and Sizes of Precision Positioning Table

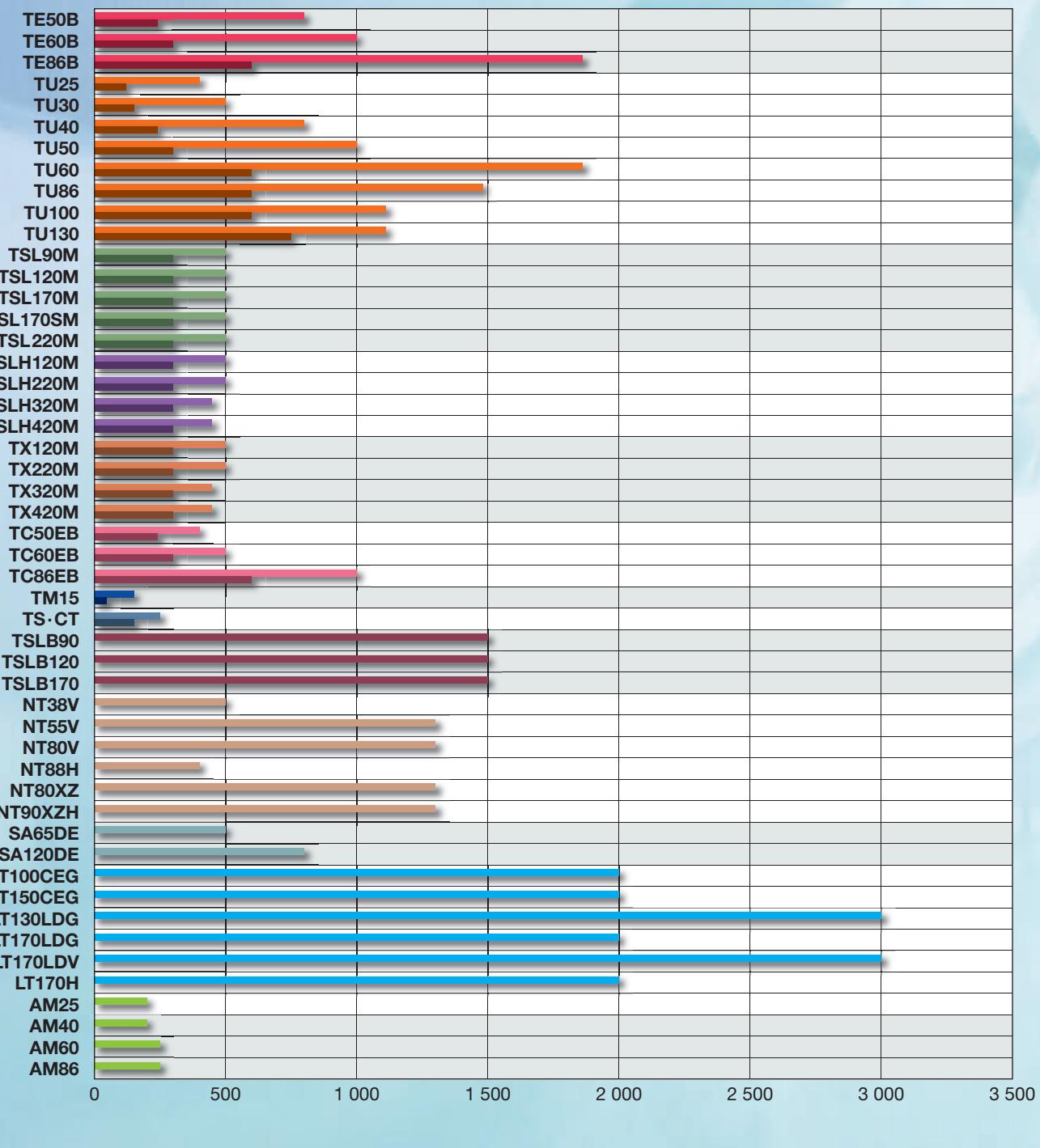


How to see the above graph

- The values shown in the graph are for reference. For details, see the explanation of each model.
- For models of ball screw drive, the value of the case selected ground ball screw is indicated.
- When two or more values are indicated for a model, this means that the applicable value depends on the stroke length.
- For TU, the value of the standard table is indicated.
- CTLH···M, CTX···M and CT are tables of two-axis specification.

IKO Selection of Precision Positioning Table ④**Maximum Speed of Precision Positioning Table**

Models and Sizes of Precision Positioning Table

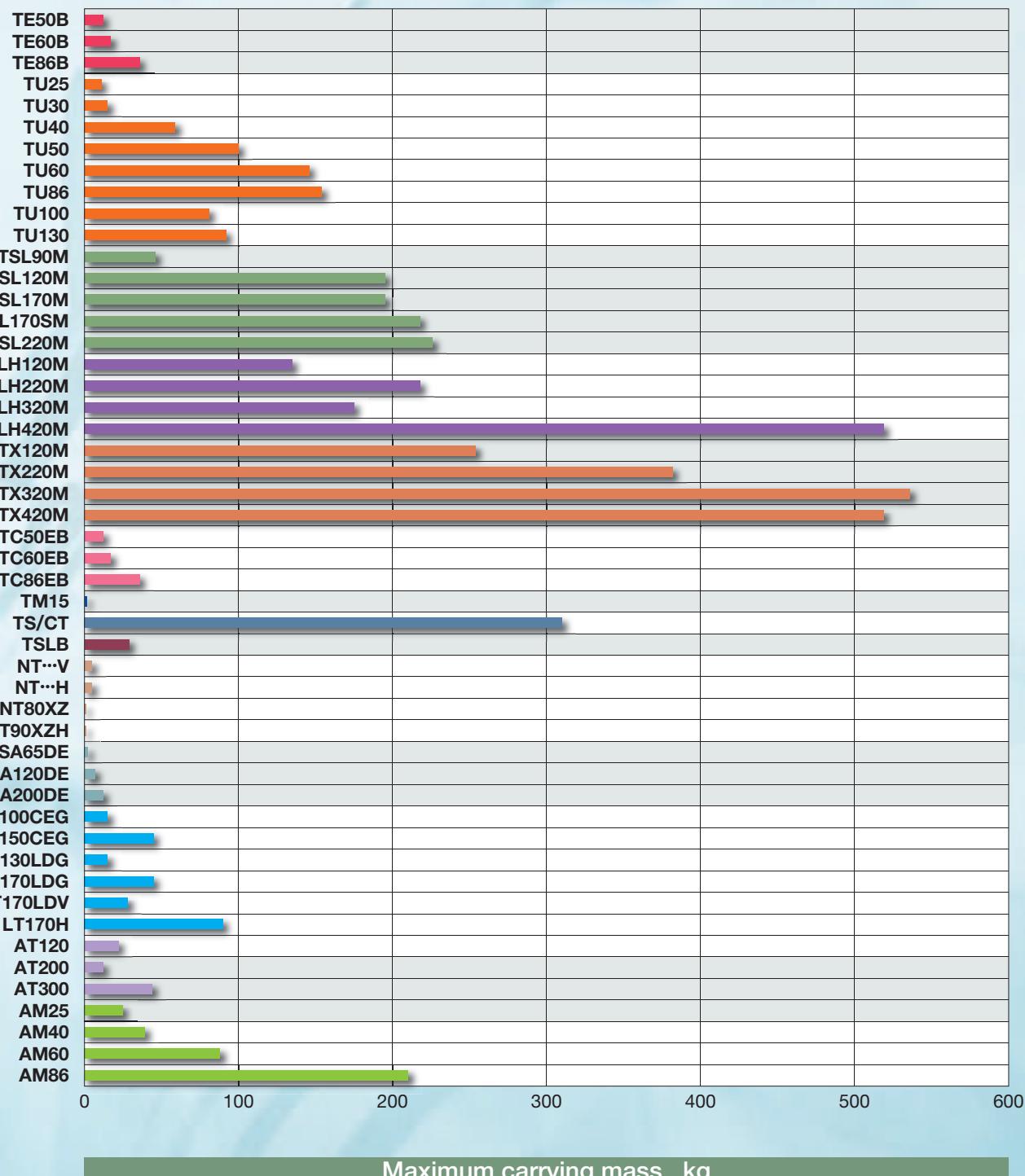


How to see the above graph

- The values shown in the graph are for reference. For details, see the explanation of each model.
- For models of ball screw drive, the value with the longest ball screw lead allowable is indicated.
- The upper sections indicate values of AC servomotor, whereas the lower sections indicate values of stepper motor specification.
- The ball screw drive type may sometimes be restricted by the allowable number of revolution of ball screw depending on the stroke length.

Carrying Mass of Precision Positioning Table

Models and Sizes of Precision Positioning Table



How to see the above graph

- The values shown in the graph are for reference. For details, see the explanation of each model.
- Values of LT, NT···V, NT···H, NT···XZ, NT···XZH, and SA···DE indicate the maximum load masses.