

# 燕尾槽式精密座台

## A. Master 精密座台



### a-1. X 軸



XJK- 40

XJK- 60

XJK- 90

XJK- 140

Model	Stage surface (mm)	Degree of movement (mm)	Degree of movement per handle rotation (mm)	Movement precision ( $\mu\text{m}$ )		Load bearing N (kgf)	Minimum scale reading (mm)	Weight (kg)
				Straightness	Degree of parallelism during operation			
XJK-40	24.8 x 42	$\pm 12$	18	20	25	29.4 (3)	0.1	0.17
XJK-60	40 x 60	$\pm 21$	18	30	30	39.2 (4)	0.1	0.29
XJK-90	40 x 90	$\pm 35$	18	30	30	39.2 (4)	0.1	0.40
XJK-140	40 x 140	$\pm 60$	18	30	30	39.2 (4)	0.1	0.56

\* Material: stage body: aluminium alloy, surface treatment: matt black alumite

### a-2. XY 軸



XYJK- 40

XYJK- 60

XYJK- 90

Model	Stage surface (mm)	Degree of movement (mm)	Degree of movement per handle rotation (mm)	Movement precision ( $\mu\text{m}$ )		Load bearing N (kgf)	Minimum scale reading (mm)	Weight (kg)
				Straightness	Degree of parallelism during operation			
XYJK-40	24.8 x 42	$\pm 12$	18	20	25	24.5 (2.5)	0.1	0.29
XYJK-60	40 x 60	$\pm 21$	18	30	30	34.3 (3.5)	0.1	0.51
XYJK-90	40 x 90	$\pm 35$	18	30	30	34.3 (3.5)	0.1	0.73

\* Material: stage body: aluminium alloy, surface treatment: matt black alumite

### a-3. Z軸



ZJK- 40



ZJK- 60



ZJK- 90

Model	Stage surface (mm)	Degree of movement (mm)	Degree of movement per handle rotation (mm)	Movement precision (μm)		Load bearing N (kgf)	Minimum scale reading (mm)	Weight (kg)
				Straightness	Degree of parallelism during operation			
ZJK-40	24.8 x 42	± 12	18	20	25	14.7 (1.5)	0.1	0.17
ZJK-60	40 x 60	± 21	18	30	30	19.6 (2.0)	0.1	0.33
ZJK-90	40 x 90	± 35	18	30	30	19.6 (2.0)	0.1	0.45

\* Material: stage body: aluminium alloy, surface treatment: matt black alumite

\* Accessory screws: Two M4 x 12 hexagonal bolts with washers, structural alloy steel, coated with black, parkerised film.

### B. 長型座台



#### b-1. X軸



XLSR- 100



XLSR- 150



XLSR- 100BC



XLSR- 150BC

#### b-3. 支柱型



XLSR- 100FS



XLSR- 150FS

#### b-4. 絞接式支柱型



XLSR- 100AR

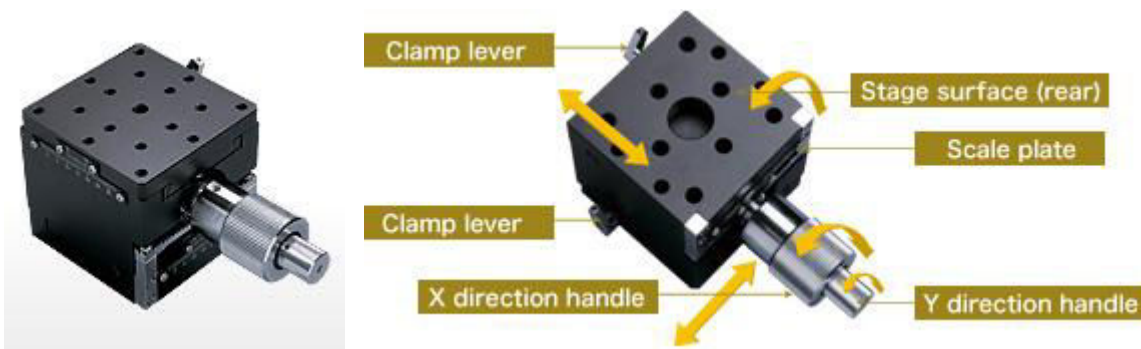


XLSR- 150AR

Model	Stage surface (mm)	Degree of movement (mm)	Degree of movement per handle rotation (mm)	Movement precision ( $\mu\text{m}$ )		Load bearing N (kgf)	Minimum scale reading (mm)	Weight (kg)
				Straightness	Degree of parallelism during operation			
XLSR-100	25 x 42	$\pm 40$	18	30	30	29.4 (3)	0.1	0.14
XLSR-150	25 x 42	$\pm 65$	18	40	40	29.4 (3)	0.1	0.17
XLSR-100BC	25 x 42	$\pm 40$	18	30	30	14.7 (1.5)	0.1	0.22
XLSR-150BC	25 x 42	$\pm 65$	18	40	40	14.7 (1.5)	0.1	0.25
XLSR-100SF	25 x 42	$\pm 40$	18	30	30	14.7 (1.5)	0.1	0.25
XLSR-150SF	25 x 42	$\pm 65$	18	40	40	14.7 (1.5)	0.1	0.28
XLSR-100AR	25 x 42	$\pm 40$	18	30	30	14.7 (1.5)	0.1	0.41
XLSR-150AR	25 x 42	$\pm 65$	18	40	40	14.7 (1.5)	0.1	0.44

\* Material: stage body: aluminium alloy, surface treatment: matt black alumite

### C. 可逆轉式座台

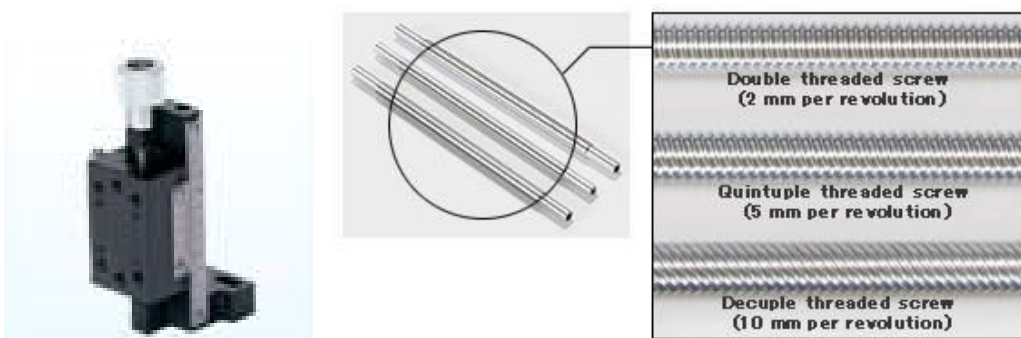


### RVS- 60

Model	Stage surface (mm)	Degree of movement (mm)	Degree of movement per handle rotation (mm)	Movement precision ( $\mu\text{m}$ )		Load bearing N (kgf)	Minimum scale reading (mm)	Weight (kg)
				Straightness	Degree of parallelism during operation			
RVS-60	60 x 60	$\pm 12$	X-axis 18 Y-axis 4.2	30	30	39.2 (4)	0.1	0.62

\* Material: stage body: aluminium alloy, surface treatment: matt black alumite

### D. 多功能進料式螺桿座台



**d-1. X軸**



XTSC- 70



XTSC- 90



XTSC- 120



XTSC- 150

**d-2. Z軸**



ZTSC- 70



ZTSC- 90



ZTSC- 120



ZTSC- 150

**d-3. 支柱握式**



TSC- 70BC



TSC- 90BC



TSC- 120BC



TSC- 150BC

**d-4. 支柱型**



TSC- 70SF



TSC- 90SF



TSC- 120SF



TSC- 150SF

**d-5. 絞接式支柱型**



TSC- 70AR



TSC- 90AR



TSC- 120AR



TSC- 150AR

## Screw type

Model <sup>*1</sup>	Stage surface (mm)	Degree of movement (mm)	Degree of movement per handle rotation (mm)	Movement precision (μm)		Load bearing N (kgf)		Minimum scale reading (mm)	Weight (kg)	
				Straightness	Degree of parallelism during operation	X-axis	Z-axis		X-axis	Z-axis
XTSC-70 ZTSC-70	25 x 40	± 17	2 / 5	30	30	29.4 (3)	14.7 (1.5)	0.1	0.12	0.16
XTSC-90 ZTSC-90	25 x 40	± 27	2 / 5 / 10	30	30	29.4 (3)	14.7 (1.5)	0.1	0.14	0.18
XTSC-120 ZTSC-120	25 x 40	± 42	2 / 5 / 10	30	30	29.4 (3)	14.7 (1.5)	0.1	0.16	0.20
XTSC-150 ZTSC-150	25 x 40	± 57	5 / 10	40	40	29.4 (3)	14.7 (1.5)	0.1	0.18	0.22

\*1 Depending on the selected degree of travel per handle turn, the model number will end in -2, -5 or -10.

\* Where special spec. have been selected, the model number will have the suffix RH, HL, RV, or WB.

(E.g., XTSC-90-5RH, ZTSC-150-10HL, etc.)

\* Material: stage body: aluminium alloy, surface treatment: matt black alumite

## Multi-function feed screw type

Model <sup>*1</sup>	Stage surface (mm)	Degree of movement (mm)	Degree of movement per handle rotation (mm)	Movement precision (μm)		Load bearing N (kgf)		Minimum scale reading (mm)	Weight (kg)		
				Straightness	Degree of parallelism during operation	X-axis	Z-axis		BC	SF	AR
TSC-70BC TSC-70SF TSC-70AR	25 x 40	± 17	2 / 5	30	30	29.4 (3)	14.7 (1.5)	0.1	0.20	0.23	0.39
TSC-90BC TSC-90SF TSC-90AR	25 x 40	± 27	2 / 5 / 10	30	30	29.4 (3)	14.7 (1.5)	0.1	0.22	0.25	0.41
TSC-120BC TSC-120SF TSC-120AR	25 x 40	± 42	2 / 5 / 10	30	30	29.4 (3)	14.7 (1.5)	0.1	0.24	0.27	0.43
TSC-150BC TSC-150SF TSC-150AR	25 x 40	± 57	5 / 10	40	40	29.4 (3)	14.7 (1.5)	0.1	0.26	0.29	0.45

\*1 Depending on the selected degree of travel per handle turn, the model number will end in -2, -5 or -10.

\* Where special spec. have been selected, the model number will have the suffix RH, HL, or RV.

(E.g., TSC-70-BC-2HL, TSC-120-AR-5RH, etc.)

\* Material: stage body: aluminium alloy, surface treatment: matt black alumite

## E 支柱加附型座台



### e-1. 座式緊縮支柱型



PS- 1BC

PS- 2BC(雙軸)

PS- 3BC(三軸)

### e-2. 支柱型



PS- 1SF(單軸)

PS- 2SF(雙軸)

PS- 3SF(三軸)

### e-3. 絞接式支柱型



PS- 1AR(單軸)

PS- 2AR(雙軸)

PS- 3AR(三軸)

Model	Stage surface (mm)	Degree of movement (mm)	Degree of movement per handle rotation (mm)	Movement precision (μm)		Load bearing N (kgf)	Minimum scale reading (mm)	Weight (kg)		
				Straightness	Degree of parallelism during operation			BC	SF	AR
PS-1	30 x 50	± 17	Z-axis 18	30	30	14.7 (1.5)	0.1	0.15	0.26	0.42
PS-2	30 x 50	± 17	Y-axis 4.2 Z-axis 18	30	30	14.7 (1.5)	0.1	0.26	0.37	0.53
PS-3	30 x 50	± 17	Y-axis 4.2 X-axis / Z-axis 18	30	30	14.7 (1.5)	0.1	0.40	0.51	0.67

\* Material: stage body: aluminium alloy, surface treatment: matt black alumite

### F. 可傾斜旋轉型座台





RC- 60

RC- 90

Model	Stage surface (mm)	Degree of movement (°)	Load bearing N (kgf)	Minimum scale reading (°)	Weight (kg)
RC-60	60 x 60	180° bending, 360°, allowing complete flexibility	39.2 (4)	1°	0.5
RC-90	90 x 90	180° bending, 360°, allowing complete flexibility	39.2 (4)	1°	0.57

\* Material: stage body: aluminium alloy, surface treatment: matt black alumite

**f-1. 可旋轉型**



KTS- 40

KTS- 60

Model	Stage surface (mm)	Degree of movement (°)	Eccentricity (mm)	Load bearing N (kgf)	Minimum scale reading (°)	Weight (kg)
KTS-40	φ 40	360°	0.05	49.0 (5)	2°	0.06
KTS-60	φ 60	360°	0.05	68.6 (7)	1°	0.2

\* Material: stage body: aluminium alloy, surface treatment: matt black alumite

\* Accessory screws M4 x 8 Hexagonal bolts - 4 SUSXM7

**f-2. XY 薄型旋轉式**



XYR- 60

XYR- 90A(底盤式) XYR- 90B(黑白盤樣式)

XYR- 90C(傾斜旋轉樣式)

Model	Stage surface (mm)	Degree of movement (mm)	Degree of movement per handle rotation (mm)	Movement precision ( $\mu\text{m}$ )		Load bearing N (kgf)	Weight (kg)
				Straightness	Degree of parallelism during operation		
XYR-60	$\varnothing 60$	$\pm 21$ 360°	4.2	30	30	34.3 (3.5)	0.39
XYR-90A	$\varnothing 90$	$\pm 35$ 360°	4.2	30	30	34.3 (3.5)	0.88
XYR-90B	$\varnothing 90$	$\pm 35$ 360°	4.2	30	30	34.3 (3.5)	0.84
XYR-90C	$\varnothing 90$	$\pm 35$ 360° $\pm 20^\circ$	4.2	30	30	29.4 (3)	1.03

\* Material: stage body: aluminium alloy, surface treatment: matt black alumite

## G. 傾斜型座台

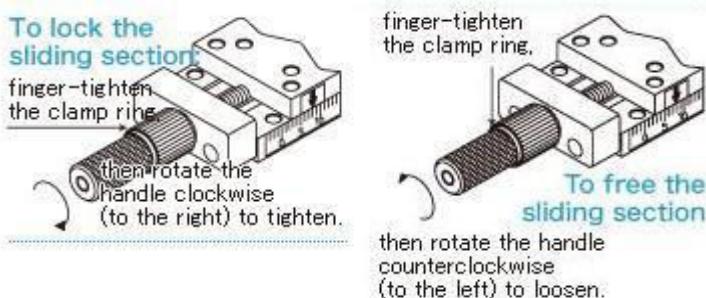


## AIC- 60

Model	Stage surface (mm)	Degree of movement (°)	Load bearing N (kgf)	Weight (kg)
AIC-60	40 x 60	$\pm 20^\circ$	29.4 (3)	0.22

\* Material: stage body: aluminium alloy, surface treatment: matt black alumite

## H. 前鎖型座台







FR- X(X 軸)

FR- XY(XY 軸)

FR- Z(Z 軸)

Model	Stage surface (mm)	Degree of movement (mm)	Degree of movement per handle rotation (mm)	Movement precision (μm)		Load bearing N (kgf)	Minimum scale reading (mm)	Weight (kg)
				Straightness	Degree of parallelism during operation			
FR-X	25 x 25	± 8	0.5	20	20	19.6	1.0	0.04
FR-XY	25 x 25	± 8	0.5	20	20	14.7	1.0	0.08
FR-Z	25 x 25	± 8	0.5	20	20	9.8	1.0	0.04

\* Material: stage body: aluminium alloy, surface treatment: matt black alumite