

HERBAO MACHINERY

MESO Automatic(ShangHai)

English Ver.

HERBAO Website



MESO Website



數控旋轉定位平台 二維旋轉運動模組

Digital Control Rotary Positioning Table
Two-dimensional rotational motion module

High Precision

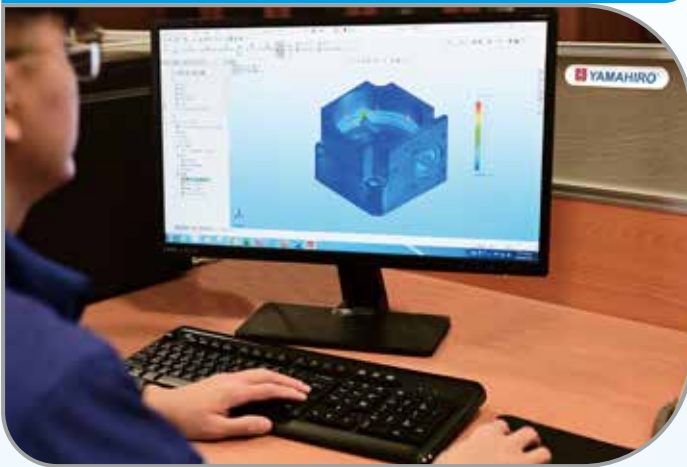
High Rigidity

High Inertia

Product Introduction

YAMAHIRO specializes in multi-axis machining based on years of experience in four-axis and five-axis machining centers. We develop outstanding products for various industries, enhance application technology, and establish stable quality to meet international demands.

Rigorous design, precise product analysis



Precision manufacturing



ISO quality assurance



Precision assembly



Product application SIM analysis

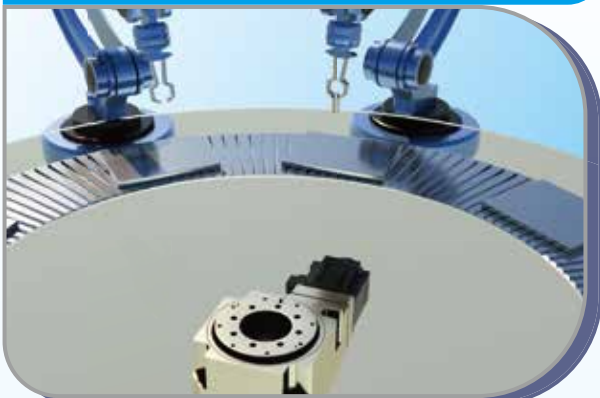


Final product inspection



Applications

Automation multi-station application



Plastic processing and dispensing applications



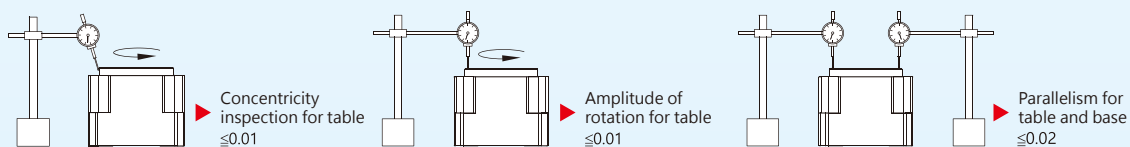
Applications of CNC machining centers



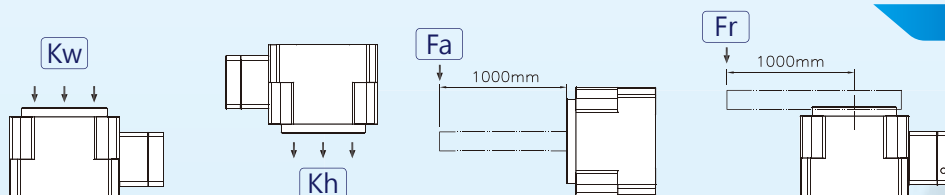
Applications of specialized lathes



Precision inspection



Allowable load



Model	K_w (kg)	K_h (kg)	F_a (N-m)	F_r (N-m)
RHD100	200	150	300	400
RHD150	500	350	500	800
RHD200	1000	600	1200	1800

*Please inquire separately for any special requirements.

High Precision High Rigidity High Inertia
The optimal choice for rotational motion positioning.

RHD SERIES



MODEL

RHD100-30- **V1**

Model
Ratio
Motor Flange
Motor Frame Size

RHD100 RHD150 RHD200

RHD Series Datasheet

Model		Unit	RHD100-30	RHD150-30	RHD200-30
Table Diameter		mm	Φ95	Φ130	Φ200
Through-hole Diameter		mm	Φ50	Φ70	Φ100
Max. Load	Horizontal	kg	200	300	800
	Hanging	kg	150	200	460
	Vertical	kg	100	150	250
Max. torque		N-m	150	300	560
Positioning Accuracy		arc-sec	≤30	≤30	≤30
Repeatability		arc-sec	≤5	≤5	≤5
Backlash		arc-sec	≤5	≤5	≤5
Reduction Ratio			30	30	30
Max. Speed of Table		rpm/min	100	100	100
Motor		W	400W Servo Motor	750W Servo Motor	1KW Servo Motor
Weight		kg	8.5	18	56

* If there are special requirements, please inquire individually. (Such as encoder)

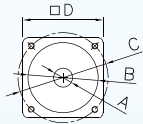
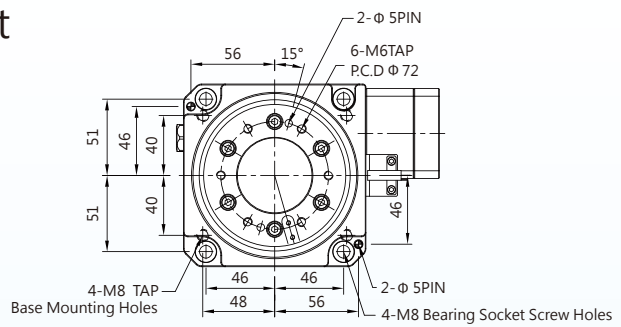
* As our company continues to research and develop, specifications and designs are subject to change without prior notice.



專業技術 創新技術

RHD Series Exterior Dimension Chart

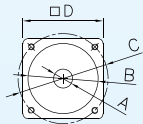
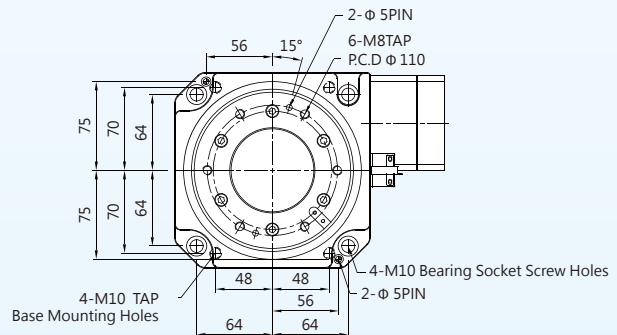
RHD100-30



Motor Mounting Hole Parameters

Motor Flange Shaft Size	A Motor Shaft	B Motor Flange	C Motor Mounting Holes	D Motor Frame Size
V1	Φ14	Φ50	PCD Φ70-M4	60
V2	Φ14	Φ50	PCD Φ70-M5	60

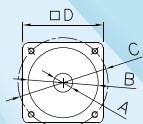
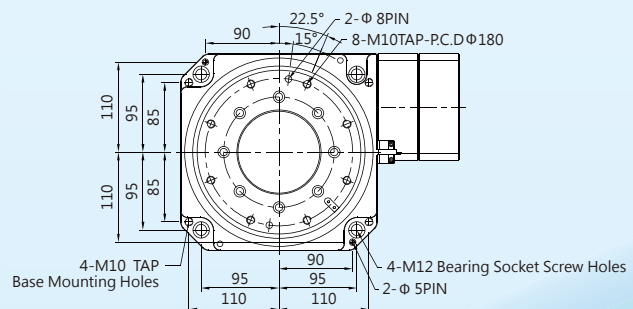
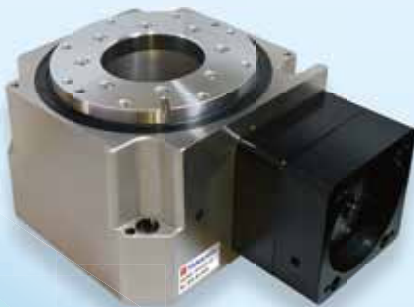
RHD150-30



Motor Mounting Hole Parameters

Motor Flange Shaft Size	A Motor Shaft	B Motor Flange	C Motor Mounting Holes	D Motor Frame Size
V1	Φ19	Φ70	PCD Φ90-M5	80
V2	Φ19	Φ70	PCD Φ90-M6	80

RHD200-30



Motor Mounting Hole Parameters

Motor Flange Shaft Size	A Motor Shaft	B Motor Flange	C Motor Mounting Holes	D Motor Frame Size
V1	Φ22	Φ110	PCD Φ145-M8	130
V2	Φ24	Φ110	PCD Φ145-M8	130

RHD+H SERIES

MODEL

RHD100H-90- V1

Model
High Gear Ratio
Ratio
Motor Frame Size
Motor Flange

RHD100H RHD150H RHD200H



RHD_H Series Datasheet

Model		單位	RHD100H-90	RHD150H-90	RHD200H-90
Table Diameter		mm	Φ 95	Φ 130	Φ 200
Through-hole Diameter		mm	Φ 50	Φ 70	Φ 100
Max. Load	Horizontal	kg	200	500	1000
	Hanging	kg	150	400	600
	Vertical	kg	100	250	500
Max. torque		N·m	400	700	1400
Positioning Accuracy		arc-sec	≤30	≤30	≤30
Repeatability		arc-sec	≤5	≤5	≤5
Backlash		arc-sec	≤5	≤5	≤5
Reduction Ratio			90	90	90
Max. Speed of Table		rpm/min	33	33	33
Motor		W	400W Servo Motor	750W Servo Motor	1KW Servo Motor
Weight		kg	14.5	29.5	84

* If there are special requirements, please inquire individually. (Such as encoder)

* For special motor specifications, please contact us.

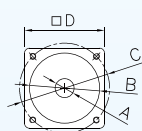
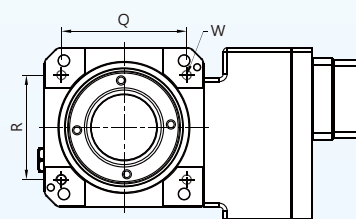
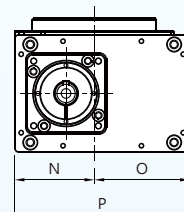
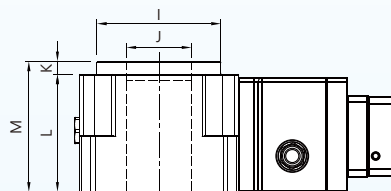
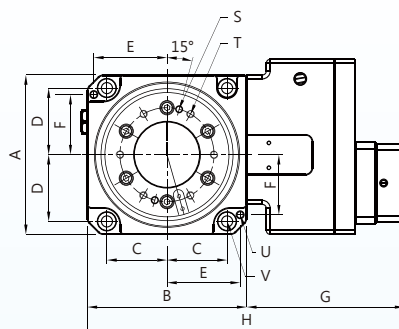
* As our company continues to research and develop, specifications and designs are subject to change without prior notice.

RHD_H Series Exterior Dimension Chart

	A	B	C	D	E	F	G	H	I
RHD100H	122	122	46	51	56	46	120.8	242.8	φ95h7
RHD150H	165	165	64	64	56	75	138	303	φ130h7
RHD200H	240	240	95	95	90	110	184.5	424.5	φ200h7

	J	K	L	M	N	O	P	Q	R
RHD100H	φ50	10	90	100	61	73	134	96	80
RHD150H	φ70	13	114	127	82.5	100	182.5	96	140
RHD200H	φ100	14	166	180	120	141	261	220	170

	S	T	U	V	W
RHD100H	2*φ 5PIN	6*M6*PCD φ72	2*φ 5PIN	4*M8 Countersunk Screw Hole	4*M8
RHD150H	2*φ 5PIN	6*M8*PCD φ110	2*φ 5PIN	4*M10 Countersunk Screw Hole	4*M10
RHD200H	2*φ 8PIN	8*M10*PCD φ180	2*φ 5PIN	4*M12 Countersunk Screw Hole	4*M10



Motor Mounting Hole Parameters

Motor Flange Shaft Size	A Motor Shaft	B Motor Flange	C Motor Mounting Holes	D Motor Frame Size
RHD100H	V1	φ14	φ50	PCDφ70-M4
	V2	φ14	φ50	PCDφ70-M5
RHD150H	V1	φ19	φ70	PCDφ90-M5
	V2	φ19	φ70	PCDφ90-M6
RHD200H	V1	φ22	φ110	PCDφ145-M8
	V2	φ24	φ110	PCDφ145-M8

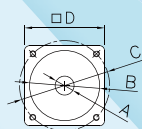
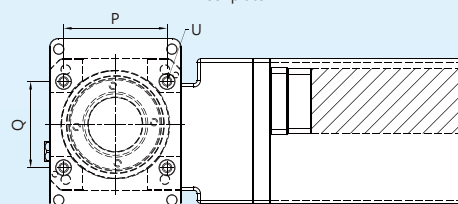
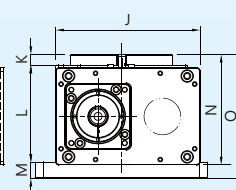
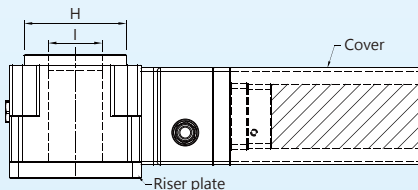
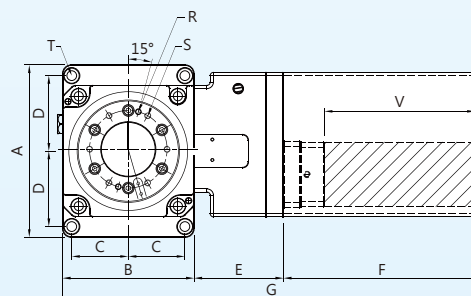
RHD_H Series + Base.Cover Exterior Dimension Chart

	A	B	C	D	E	F
RHD100H+Base.Cover	160	122	52.5	70	83	183
RHD150H+Base.Cover	215	165	70	95	93	213
RHD200H+Base.Cover	300	240	100	135	112	283

	G	H	I	J	K	L
RHD100H+Base.Cover	388	φ95h7	φ50	134	10	90
RHD150H+Base.Cover	471	φ130h7	φ70	182.5	13	114
RHD200H+Base.Cover	635	φ200h7	φ100	261	14	166

	M	N	O	P	Q	R
RHD100H+Base.Cover	15	102.5	115	96	80	2*φ 5PIN
RHD150H+Base.Cover	17	128.2	144	96	140	2*φ 5PIN
RHD200H+Base.Cover	20	189	200	220	170	2*φ 8PIN

	S	T	U	V
RHD100H+Base.Cover	6*M6*PCD φ72	4*M8 Countersunk Screw Hole	4*M8	Max 140
RHD150H+Base.Cover	6*M8*PCD φ110	4*M10 Countersunk Screw Hole	4*M10	Max 160
RHD200H+Base.Cover	8*M10*PCD φ180	4*M12 Countersunk Screw Hole	4*M10	Max 205



Motor Mounting Hole Parameters

Motor Flange Shaft Size	A Motor Shaft	B Motor Flange	C Motor Mounting Holes	D Motor Frame Size
RHD100H	V1	φ14	φ50	PCDφ70-M4
	V2	φ14	φ50	PCDφ70-M5
RHD150H	V1	φ19	φ70	PCDφ90-M5
	V2	φ19	φ70	PCDφ90-M6
RHD200H	V1	φ22	φ110	PCDφ145-M8
	V2	φ24	φ110	PCDφ145-M8

RHD+B SERIES



MODEL

RHD100B-30- **V1**

Model
Brake
Ratio
Motor Flange
Motor Frame Size

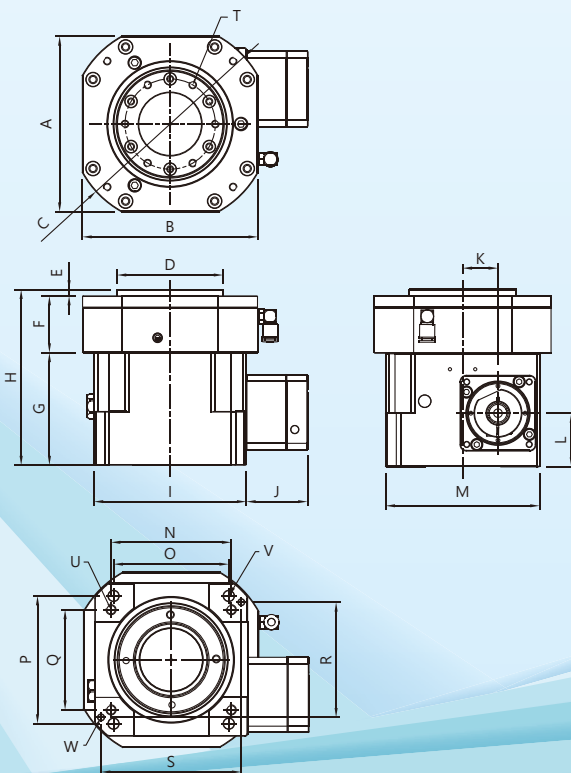
RHD100B RHD150B RHD200B

RHD+B Series Datasheet

Model	Unit	RHD100B-30	RHD150B-30	RHD200B-30
Table Diameter	mm	Φ85	Φ126	Φ200
Max. Load	Horizontal	kg	200	1000
	Hanging	kg	150	600
	Vertical	kg	100	500
Max. torque	N·m	150	300	560
Positioning Accuracy	arc-sec	≤30	≤30	≤30
Repeatability	arc-sec	≤5	≤5	≤5
Backlash	arc-sec	≤5	≤5	≤5
Reduction Ratio		30	30	30
Max. Speed of Table	rpm/min	100	100	100
Motor	W	400W Servo Motor	750W Servo Motor	1KW Servo Motor
Weight	kg	15.2	31.7	88.5
Clamping System				
Pressure Resource		Pneumatic	Pneumatic	Pneumatic
Drive Pressure	kg/cm ²	5	5	5
Clamping Torque	kgf·m	10	16	27

* If there are special requirements, please inquire individually. (Such as encoder)

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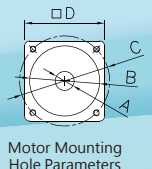
Exterior Dimension Chart

	A	B	C	D	E	F	G	H	I	J
RHD100B	140	140	Φ160	Φ85	5	45.5	90	140.5	122	49
RHD150B	190	180	Φ225	Φ126	5	53	114	172	165	63
RHD200B	290	290	Φ320	Φ200	5	67	166	238	240	100

	K	L	M	N	O	P	Q	R	S
RHD100B	28	42.5	122	96	92	102	80	92	112
RHD150B	40	56.8	165	96	128	128	140	150	112
RHD200B	55	77	240	220	190	190	170	220	180

	T	U	V	W
RHD100B	6*M6*PCDΦ72	4*M8	4*M8 Countersunk Screw Hole	2Φ5pin
RHD150B	6*M8*PCDΦ105	4*M10	4*M10 Countersunk Screw Hole	2Φ5pin
RHD200B	8*M10*PCDΦ180	4*M10	4*M12 Countersunk Screw Hole	2Φ5pin

Motor Flange Shaft Size	A Motor Shaft	B Motor Flange	C Motor Mounting Holes	D Motor Frame Size
RHD100B	V1 Φ14	Φ50	PCDΦ70-M4	60
	V2 Φ14	Φ50	PCDΦ70-M5	60
RHD150B	V1 Φ19	Φ70	PCDΦ90-M5	80
	V2 Φ19	Φ70	PCDΦ90-M6	80
RHD200B	V1 Φ22	Φ110	PCDΦ145-M8	130
	V2 Φ24	Φ110	PCDΦ145-M8	130



Motor Mounting Hole Parameters

SHD SERIES



MODEL

SHD100-30- V1-C-S

Model

Ratio

Motor Flange

Motor Frame Size

Cover

(optional)

Leak Detection

Sensor

(optional)

SHD100-30 SHD150-30 SHD200-30

SHD Series Datasheet

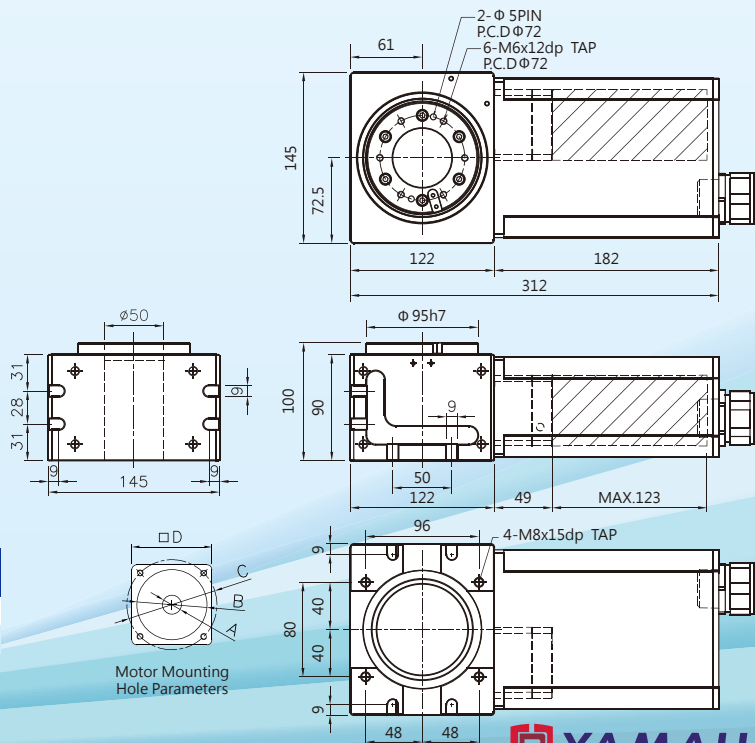
Model		Unit	SHD100-30	SHD150-30	SHD200-30
Table Diameter		mm	Φ95	Φ130	Φ200
Through-hole Diameter		mm	Φ50	Φ70	Φ100
Max. Load	Horizontal	kg	200	500	1000
	Hanging	kg	150	400	600
	Vertical	kg	100	250	500
Max. torque		N-m	150	300	560
Positioning Accuracy		arc-sec	≤30	≤30	≤30
Repeatability		arc-sec	≤5	≤5	≤5
Backlash		arc-sec	≤5	≤5	≤5
Reduction Ratio			30	30	30
Max. Speed of Table		rpm/min	100	100	100
Motor		W	400W Servo Motor	750W Servo Motor	1KW Servo Motor
Weight		kg	11.7	25.2	73.8

* If there are special requirements, please inquire individually. (Such as encoder)

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Exterior Dimension Chart

SHD100-30

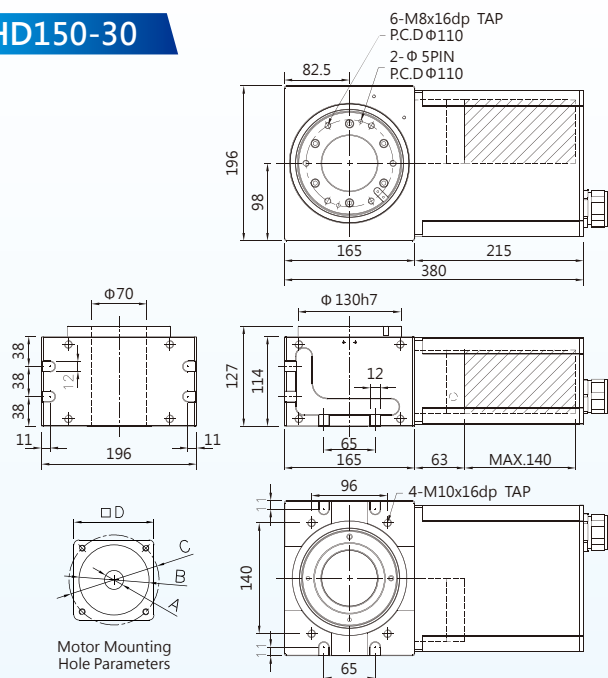


Motor Flange Shaft Size	A Motor Shaft	B Motor Flange	C Motor Mounting Holes	D Motor Frame Size
V1	Φ14	Φ50	PCDΦ70-M4	60
V2	Φ14	Φ50	PCDΦ70-M5	60

Motor Mounting
Hole Parameters

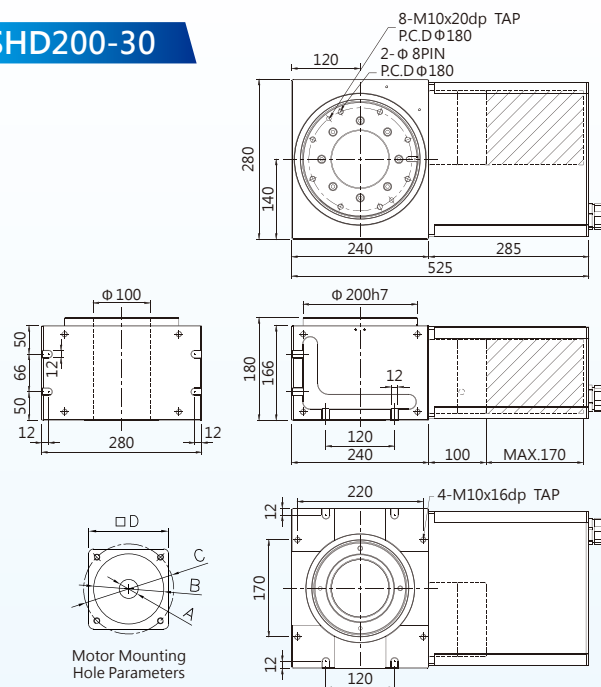
Exterior Dimension Chart

SHD150-30



Motor Flange Shaft Size	A Motor Shaft	B Motor Flange	C Motor Mounting Holes	D Motor Frame Size
V1	Φ19	Φ70	PCDΦ90-M5	80
V2	Φ19	Φ70	PCDΦ90-M6	80

SHD200-30



Motor Flange Shaft Size	A Motor Shaft	B Motor Flange	C Motor Mounting Holes	D Motor Frame Size
V1	Φ22	Φ110	PCDΦ145-M8	130
V2	Φ24	Φ110	PCDΦ145-M8	130

MODEL



SHD100P-30- V1-C-S

Model Custom Specifications Ratio Motor Flange Motor Frame Size Cover (optional) Leak Detection Sensor (optional)

SHD100P-30 SHD150P-30 SHD200P-30

SHD_P Series Datasheet

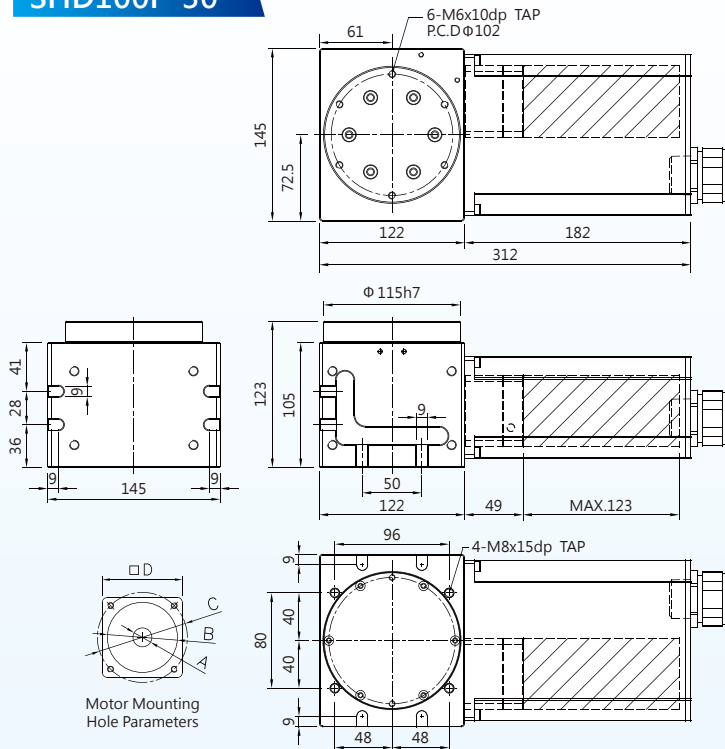
Model	Unit	SHD100P-30	SHD150P-30	SHD200P-30
Table Diameter	mm	Φ115	Φ155	Φ235
Max. Load	Horizontal	kg	200	500
	Hanging	kg	150	400
	Vertical	kg	100	250
Max. torque	N-m	150	300	560
Positioning Accuracy	arc-sec	≤30	≤30	≤30
Repeatability	arc-sec	≤5	≤5	≤5
Backlash	arc-sec	≤5	≤5	≤5
Reduction Ratio		30	30	30
Max. Speed of Table	rpm/min	100	100	100
Motor	W	400W Servo Motor	750W Servo Motor	1KW Servo Motor
Weight	kg	16	34.5	101.5

* If there are special requirements, please inquire individually. (Such as encoder)

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Exterior Dimension Chart

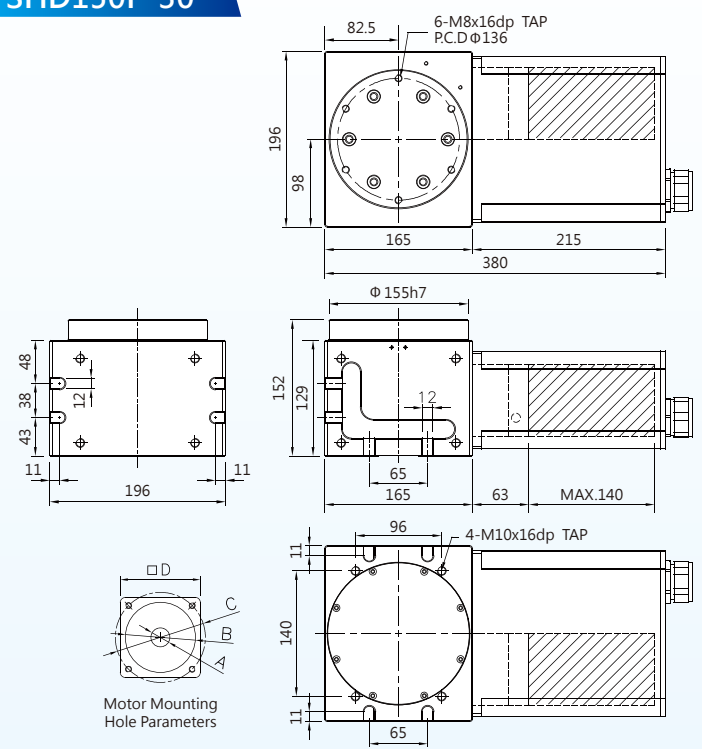
SHD100P-30



Motor Flange Shaft Size	A Motor Shaft	B Motor Flange	C Motor Mounting Holes	D Motor Frame Size
V1	Φ14	Φ50	PCD Φ70-M4	60
V2	Φ14	Φ50	PCD Φ70-M5	60

* For custom motor specifications, please contact our company.

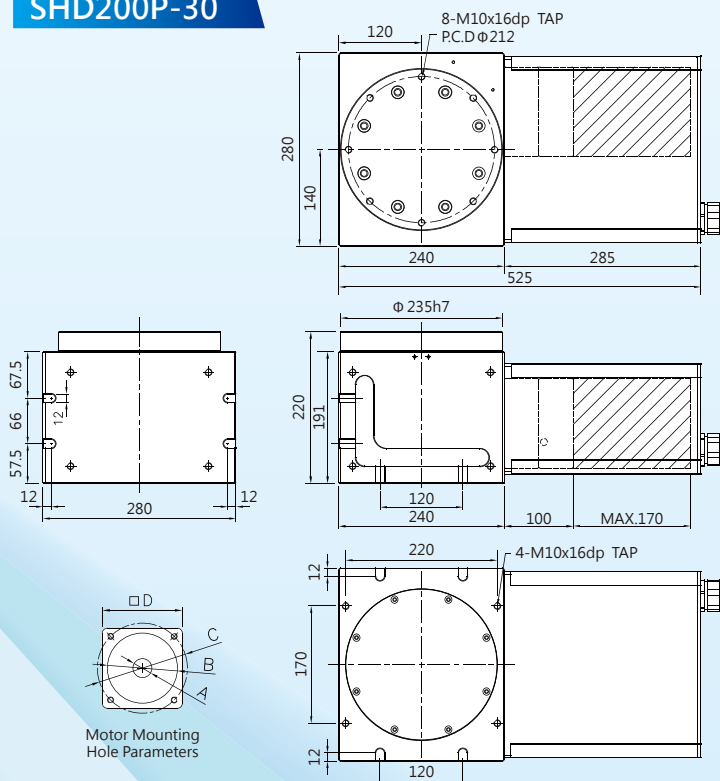
SHD150P-30



Motor Flange Shaft Size	A Motor Shaft	B Motor Flange	C Motor Mounting Holes	D Motor Frame Size
V1	Φ19	Φ70	PCD Φ90-M5	80
V2	Φ19	Φ70	PCD Φ90-M6	80

* For custom motor specifications, please contact our company.

SHD200P-30



Motor Flange Shaft Size	A Motor Shaft	B Motor Flange	C Motor Mounting Holes	D Motor Frame Size
V1	Φ22	Φ110	PCD Φ145-M8	130
V2	Φ24	Φ110	PCD Φ145-M8	130

* For custom motor specifications, please contact our company.

Product Features

- Excellent Waterproof Performance
- High Safety Rating
- High Torque
- Accurate Positioning
- Low Backlash

YHD SERIES



MODEL

YHD100- V1- V1

Model
A-axis Motor Flange
A-axis Motor Frame Number
B-axis Motor Flange
B-axis Motor Frame Number

YHD100 YHD100-R/L YHD150

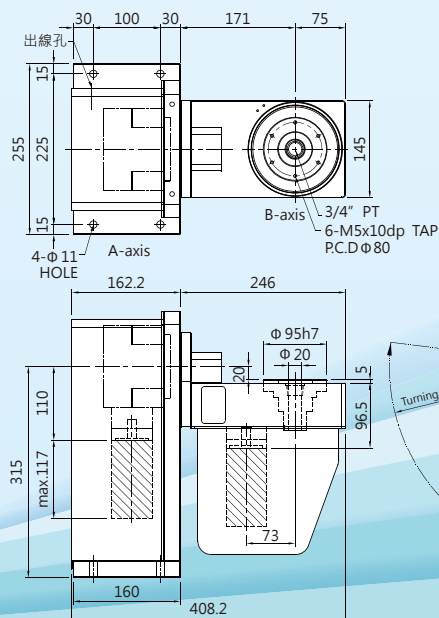
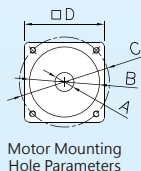
YHD Series Datasheet

Model		Unit	YHD100	YHD100-R/L	YHD150
Max. Load		kg	15	15	25
Max. torque		N-m	38	38	110
Rotation Angle	A-axis	Degree	±110°	±110°	±110°
	B-axis		360°	360°	360°
Rotation accuracy		sec	≤ 30"	≤ 30"	≤ 30"
Repeatability	A-axis	sec	≤ 5"	≤ 5"	≤ 5"
	B-axis		≤ 5"	≤ 5"	≤ 5"
Rotation Radius		mm	100	100	130
Two-dimensional Concentricity		mm	0.02	0.02	0.02
Two-dimensional Parallelism		mm	0.02	0.02	0.02
Rotational vibration of the turntable surface		mm	0.01	0.01	0.01
Reduction Ratio	A-axis	-	1 : 30	1 : 30	1 : 30
	B-axis		1 : 10	1 : 10	1 : 30
Maximum Rotational Speed		rpm / min	200	200	100
Rotational Center Height		mm	315	233	163
Motor	A-axis	W	400	400	750
	B-axis		400	400	400
Weight		kg	47	47	78

* If there are special requirements, please inquire individually.

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Exterior Dimension Chart

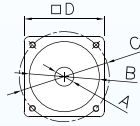


YHD100

Motor Flange Shaft Size		A Motor Shaft	B Motor Flange	C Motor Mounting Holes	D Motor Frame Size
A-axis	V1	Φ14	Φ50	PCDΦ70-M4	60
	V2	Φ14	Φ50	PCDΦ70-M5	60
B-axis	V1	Φ14	Φ50	PCDΦ70-M4	60
	V2	Φ14	Φ50	PCDΦ70-M5	60

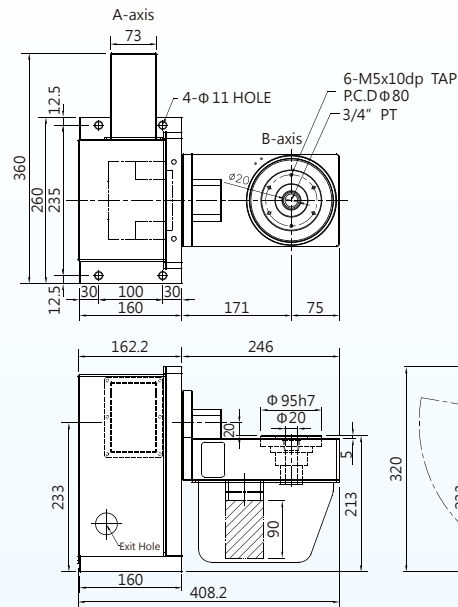
Exterior Dimension Chart

YHD100-R

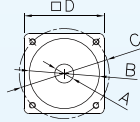


Motor Mounting Hole Parameters

Motor Flange Shaft Size		A Motor Shaft	B Motor Flange	C Motor Mounting Holes	D Motor Frame Size
A-axis	V1	Φ14	Φ50	PCDΦ70-M4	60
	V2	Φ14	Φ50	PCDΦ70-M5	60
B-axis	V1	Φ14	Φ50	PCDΦ70-M4	60
	V2	Φ14	Φ50	PCDΦ70-M5	60

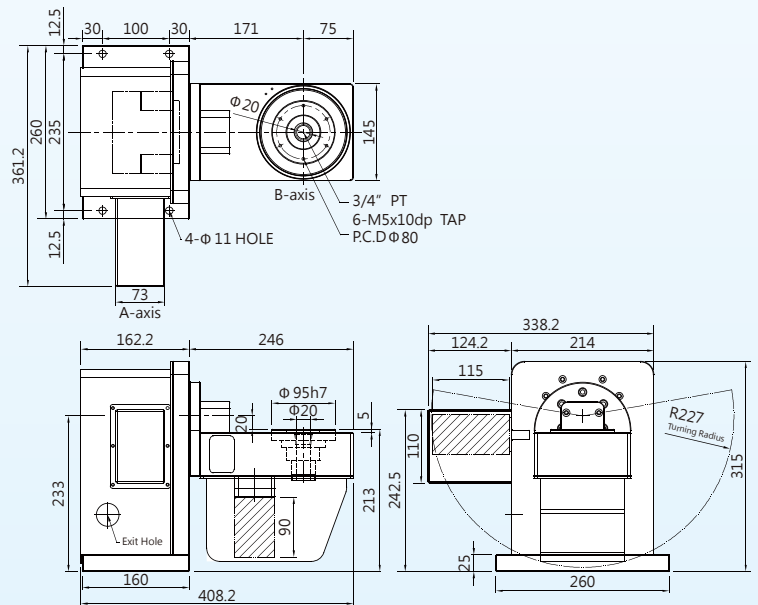


YHD100-L

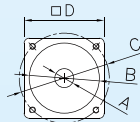


Motor Mounting Hole Parameters

Motor Flange Shaft Size		A Motor Shaft	B Motor Flange	C Motor Mounting Holes	D Motor Frame Size
A-axis	V1	Φ14	Φ50	PCDΦ70-M4	60
	V2	Φ14	Φ50	PCDΦ70-M5	60
B-axis	V1	Φ14	Φ50	PCDΦ70-M4	60
	V2	Φ14	Φ50	PCDΦ70-M5	60

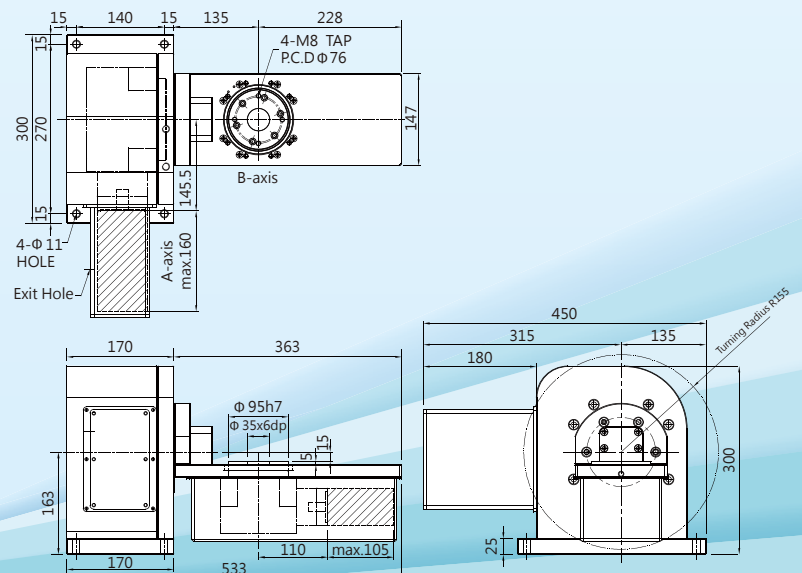


YHD150

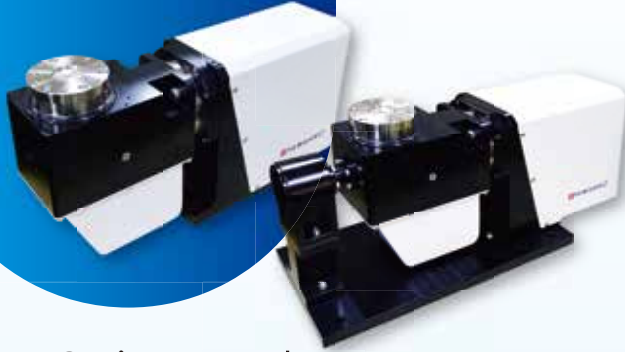


Motor Mounting Hole Parameters

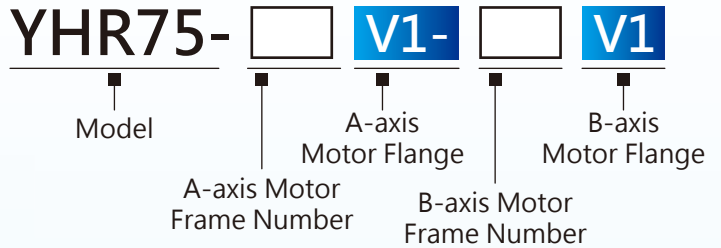
Motor Flange Shaft Size		A Motor Shaft	B Motor Flange	C Motor Mounting Holes	D Motor Frame Size
A-axis	V1	Φ19	Φ70	PCDΦ90-M5	80
	V2	Φ19	Φ70	PCDΦ90-M6	80
B-axis	V1	Φ14	Φ50	PCDΦ70-M4	60
	V2	Φ14	Φ50	PCDΦ70-M5	60



YHR SERIES



MODEL



YHR75 YHR75C

YHR Series Datasheet

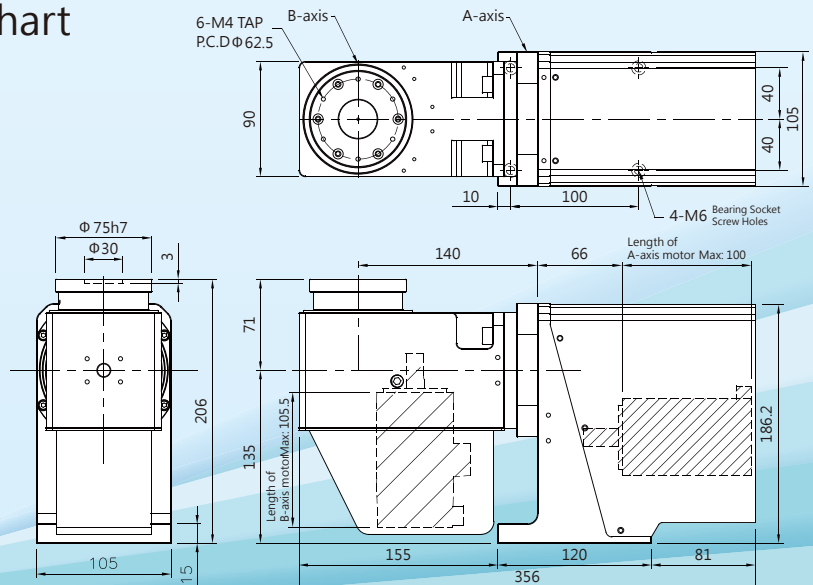
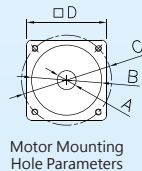
Model		Unit	YHR75	YHR75C
Max. Load		kg	6	10
Max. torque		N-m	15	15
Rotation Angle	A-axis	Degree	±95°	±95°
	B-axis		360°	360°
Rotation accuracy		sec	≤ 60"	≤ 60"
Repeatability	A-axis	sec	≤ 10"	≤ 10"
	B-axis		≤ 10"	≤ 10"
Rotation Radius		mm	130	130
Two-dimensional Concentricity		mm	≤ 0.02	≤ 0.02
Two-dimensional Parallelism		mm	≤ 0.02	≤ 0.02
Rotational vibration of the turntable surface		mm	≤ 0.01	≤ 0.01
Reduction Ratio	A-axis	-	1 : 8	1 : 8
	B-axis		1 : 10	1 : 10
Maximum Rotational Speed		rpm / min	300	300
Rotational Center Height		mm	135	150
Motor	A-axis	W	400W Servo Motor	400W Servo Motor
	B-axis		400W Servo Motor	400W Servo Motor
Weight		kg	9	15

* If there are special requirements, please inquire individually.

* As our company continues to research and develop, specifications and designs are subject to change without prior notice.

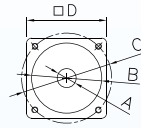
YHR Series Exterior Dimension Chart

YHR75



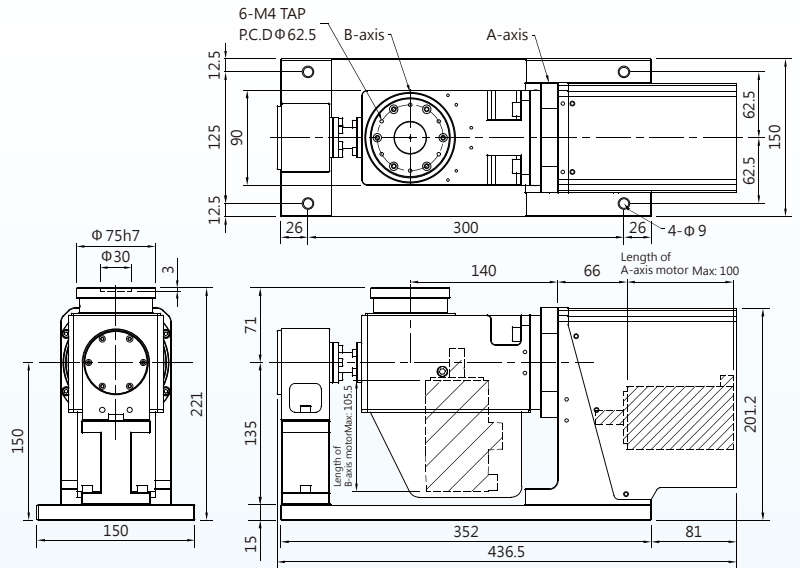
Motor Flange Shaft Size		A Motor Shaft	B Motor Flange	C Motor Mounting Holes	D Motor Frame Size
A-axis	V1	Φ14	Φ50	PCDΦ70-M4	60
	V2	Φ14	Φ50	PCDΦ70-M5	60
B-axis	V1	Φ14	Φ50	PCDΦ70-M4	60
	V2	Φ14	Φ50	PCDΦ70-M5	60

YHR75C

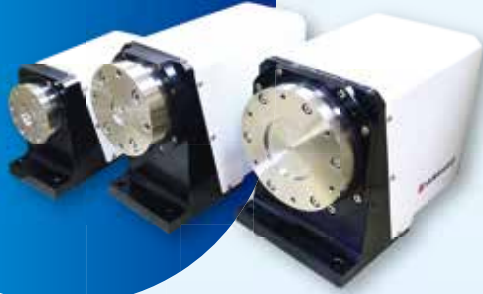


Motor Mounting Hole Parameters

Motor Flange Shaft Size		A Motor Shaft	B Motor Flange	C Motor Mounting Holes	D Motor Frame Size
A-axis	V1	Φ14	Φ50	PCDΦ70-M4	60
	V2	Φ14	Φ50	PCDΦ70-M5	60
B-axis	V1	Φ14	Φ50	PCDΦ70-M4	60
	V2	Φ14	Φ50	PCDΦ70-M5	60



YHA SERIES



MODEL

YHA75- **V1**

Model Motor Flange
Motor Frame Size

YHA75 YHA100 YHA120

YHA Series Datasheet

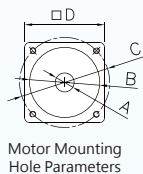
Model	Unit	YHA75	YHA100	YHA120
Max. Load	kg	6	8	10
Max. torque	N-m	15	30	38
Rotation Angle	Degree	±360°	±360°	±360°
Rotation accuracy	sec	≤ 60"	≤ 60"	≤ 60"
Repeatability	sec	≤ 10"	≤ 10"	≤ 10"
Rotation Radius	mm	95	130	115
Two-dimensional Concentricity	mm	≤ 0.02	≤ 0.02	≤ 0.02
Two-dimensional Parallelism	mm	≤ 0.02	≤ 0.02	≤ 0.02
Rotational vibration of the turntable surface	mm	≤ 0.01	≤ 0.01	≤ 0.01
Reduction Ratio	-	1 : 10	1 : 8	1 : 10
Maximum Rotational Speed	rpm / min	300	350	300
Rotational Center Height	mm	95	135	120
Motor	W	200W / 400W Servo Motor	400W Servo Motor	400W Servo Motor
Weight	kg	3.5	6	7

* If there are special requirements, please inquire individually.

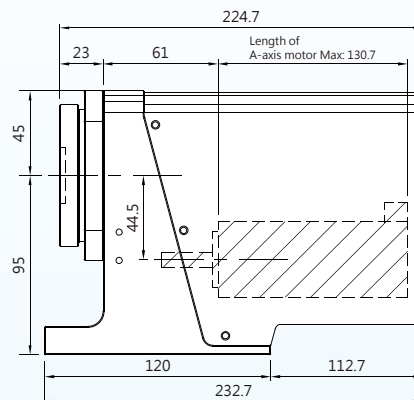
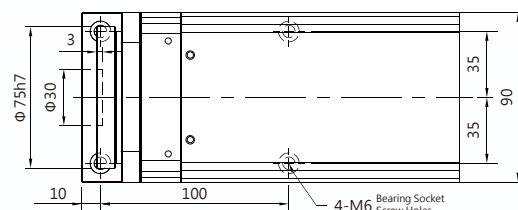
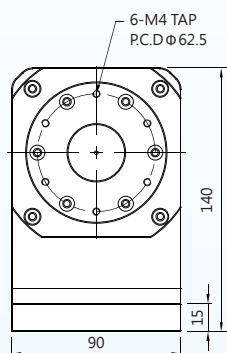
* As our company continues to research and develop, specifications and designs are subject to change without prior notice.

YHA Series Exterior Dimension Chart

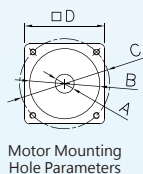
YHA75



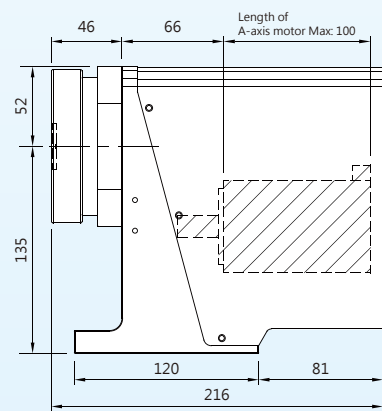
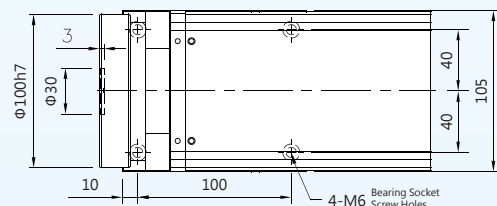
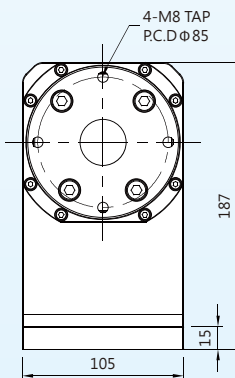
Motor Flange Shaft Size		A Motor Shaft	B Motor Flange	C Motor Mounting Holes	D Motor Frame Size
A-axis	V1	Φ14	Φ50	PCDΦ70-M4	60
	V2	Φ14	Φ50	PCDΦ70-M5	60



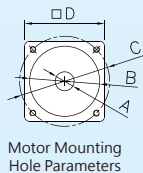
YHA100



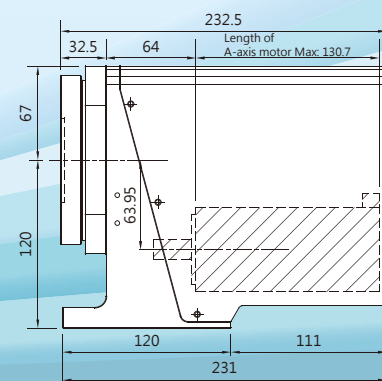
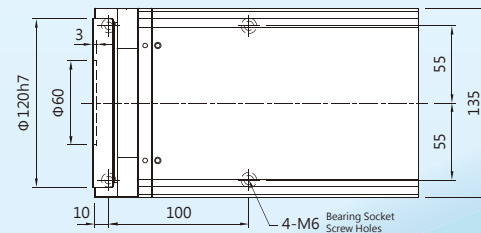
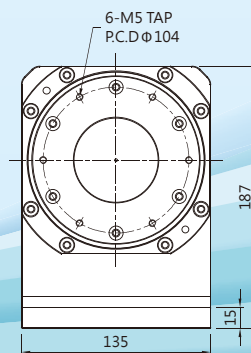
Motor Flange Shaft Size		A Motor Shaft	B Motor Flange	C Motor Mounting Holes	D Motor Frame Size
A-axis	V1	Φ14	Φ50	PCDΦ70-M4	60
	V2	Φ14	Φ50	PCDΦ70-M5	60



YHA120



Motor Flange Shaft Size		A Motor Shaft	B Motor Flange	C Motor Mounting Holes	D Motor Frame Size
A-axis	V1	Φ14	Φ50	PCDΦ70-M4	60
	V2	Φ14	Φ50	PCDΦ70-M5	60



Product Introduction

Core Technology

Worm Gears from Japan ウォームギヤ

Top Brand in Japan, Manufactured by a Listed Company



Application Description

This rotary table features an IP65 waterproof rating and self-locking capability. It can be used for rotating shafts in grinding equipment (e.g., edge grinding, chamfering, etc.), as well as in polishing equipment (as the fourth or fifth axis) and other applications.

Assembly Inspection

All products adhere to strict ISO full inspection standards, with a process involving six stages of inspection:
Material inspection→Part inspection→Assembly inspection→Rotation angle positioning inspection→Motor load inspection→Operation running-in inspection

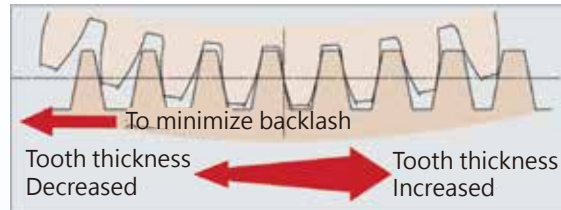


▲ All aluminum alloy steel bodies undergo three-dimensional measurements before assembly and after final production to ensure geometric precision.



▲ The indexing positioning accuracy is inspected using a circular optical encoder imported from Germany. After a 24-hour test run, a second inspection is conducted to verify the accuracy.

Japanese expertise in rotary worktable technology



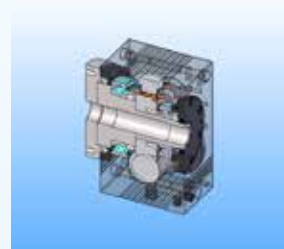
Material: Utilizing the top Japanese brand worm gear assembly known for its high hardness, low friction coefficient, and precise transmission positioning coefficient. The worm gear is made of a special high-tensile brass from Japan.

Tooth Features:

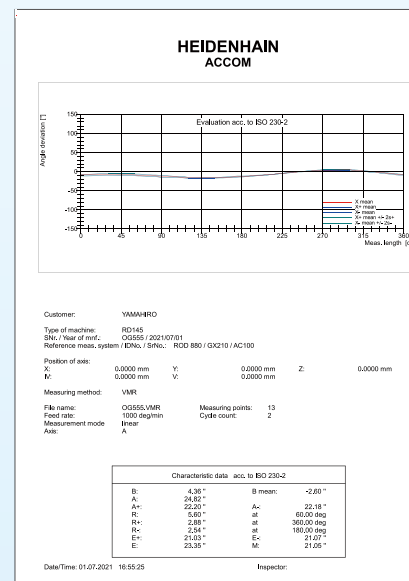
- ▶ Increased tooth depth enhances meshing rigidity.
- ▶ Special design with variable tooth thickness automatically adjusts the backlash precision.

Structure

The main body is crafted from a single piece of aluminum alloy using CNC rotary table as its design foundation.

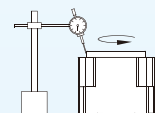


Precision Inspection



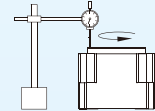
Concentricity Inspection for table

▶ ≤0.01mm



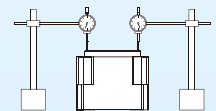
Amplitude of rotation for table

▶ ≤0.01mm



Parallelism for table and base

▶ ≤0.02mm



▲ Continuous 24-hour trial operation ensures the stability of all mechanical components.

YRD SERIES

MODEL

YRD100-30- V1-C-S

Model

Ratio

Motor Flange

Cover

Leak Detection

Motor Frame Size

(optional) (optional)



YRD100-30 YRD145-60

YRD Series Datasheet

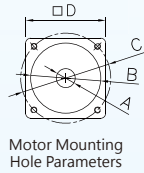
Model		Unit	YRD100-30	YRD145-60
Table Diameter		mm	Φ100	Φ145
Through-hole Diameter		mm	Φ20	Φ40
Max. Load	Horizontal	kg	50	80
	Hanging	kg	30	50
	Vertical	kg	16	35
Max. torque		N-m	80	450
Positioning Accuracy		arc-sec	≤60	≤45
Repeatability		arc-sec	≤10	≤10
Backlash		arc-sec	≤10	≤10
Reduction Ratio			30	60
Max. Speed of Table		rpm/min	100	50
Motor		W	400W Servo Motor	750W Servo Motor
Weight		kg	6.5	16

* If there are special requirements, please inquire individually.

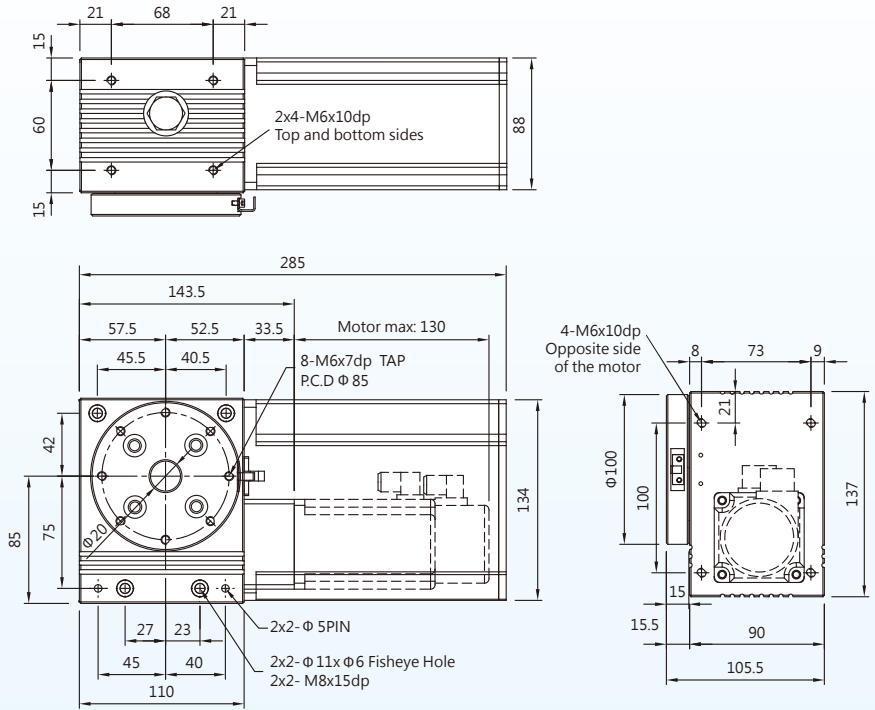
* As our company continues to research and develop, specifications and designs are subject to change without prior notice.

Exterior Dimension Chart

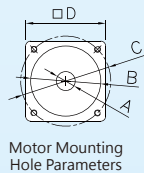
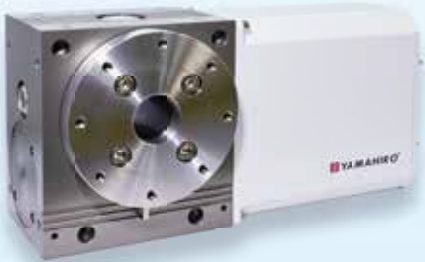
YRD100-30



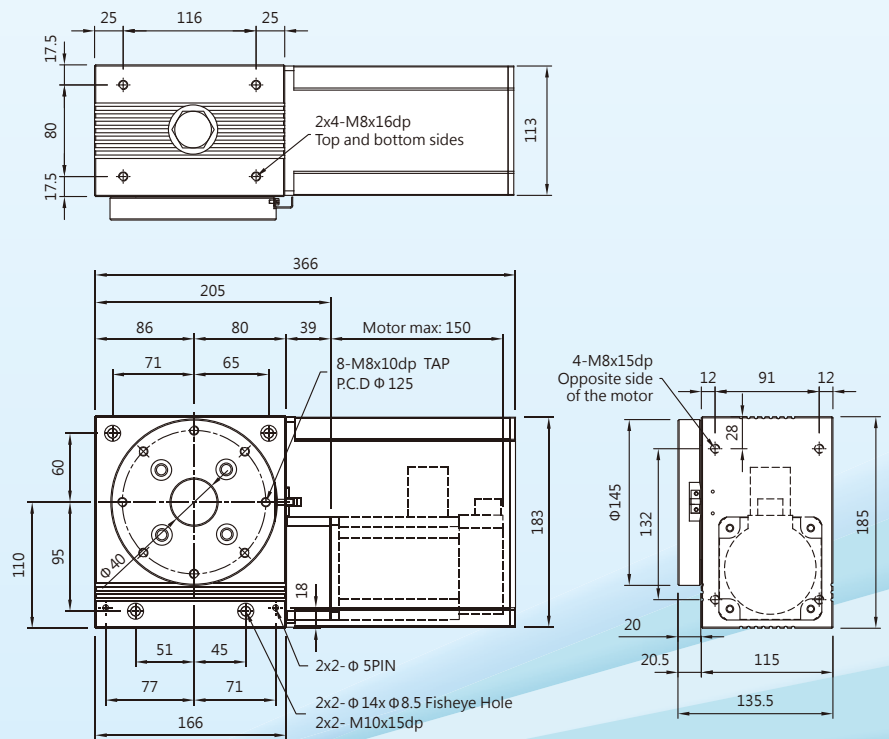
Motor Flange Shaft Size	A Motor Shaft	B Motor Flange	C Motor Mounting Holes	D Motor Frame Size
V1	Φ14	Φ50	PCDΦ70-M4	60
V2	Φ14	Φ50	PCDΦ70-M5	60



YRD145-60



Motor Flange Shaft Size	A Motor Shaft	B Motor Flange	C Motor Mounting Holes	D Motor Frame Size
V1	Φ19	Φ70	PCDΦ90-M5	80
V2	Φ19	Φ70	PCDΦ90-M6	80



► **Japanese Core** ► **Taiwan Assembly** ► **Quality Assurance**

All Series



YH 4-axis series

CNC Machining Center Rotary 4-axis
Specifications X-axis 350-1400mm



RHD series

High precision, high rigidity, high inertia
Digital Control Rotary Positioning Table



YHC 5-axis series

CNC Machining Center Rotary 5-axis
Specifications X-axis 500-1400mm



SHD series

Waterproof, Corrosion-resistant,
Pollution-resistant
Optimal Choice CNC Rotary Platform



YHD series

Five-axis Interlinked Surface Processing
High Precision Two-dimensional Rotary
Motion Module



YRD series

High Self-locking Force. High Precision.
Lightweight
Optimal Multi-functional CNC Rotary
Platform



YHR series

Automation, Dustproof, Waterproof,
Pollution-resistant
Light-duty Two-dimensional Rotary
Motion Module



Disc / Quill Type Tailstock

Diversification, Versatility, Multifunction-
ality
Customizable according to customer
requirements

MANUFACTURER



禾寶機械有限公司

HER BAO MACHINERY CO.,LTD.

Address: 1F., No. 10-59, Yuangang, 2nd Neighborhood,
Yuangang Vil., Yuanli Township, Miaoli County, Taiwan
TEL: 037-865907
FAX: 037-867760

Mainland China Operations Center

MESO Automatic (ShangHai) CO.,LTD

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WECHAT

