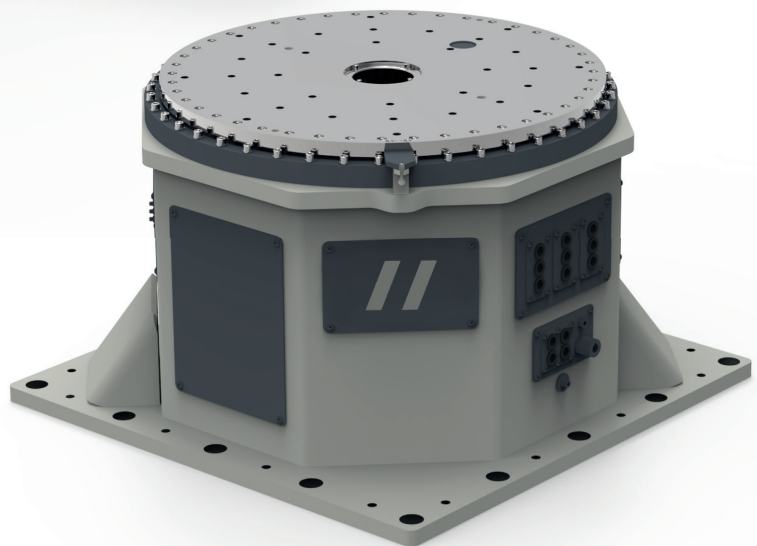
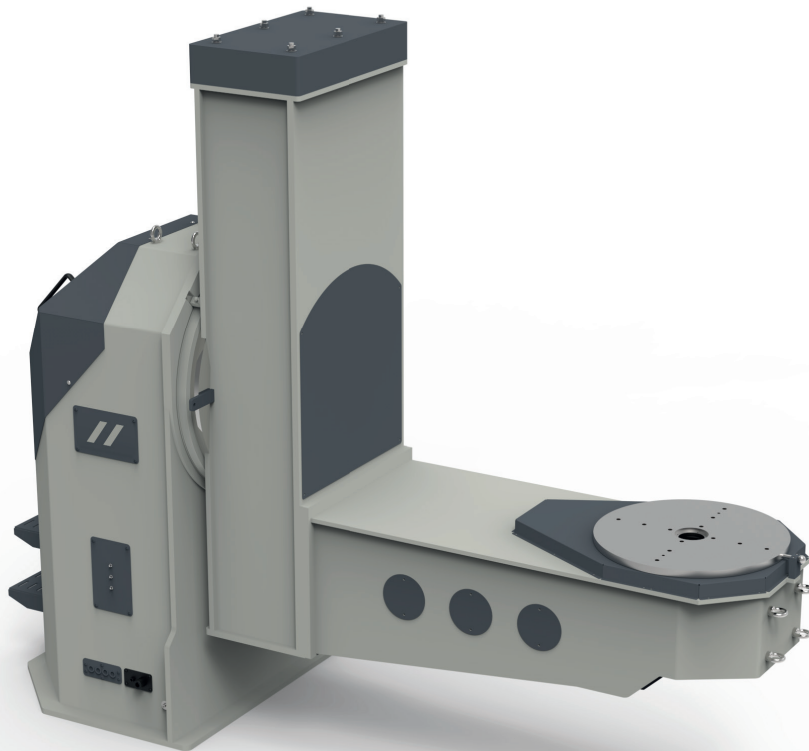


SVP-POSITIONERS



VANSICHEN
LINEAR TECHNOLOGY

SIMKON
BY VANSICHEN



ABOUT SIMKON BY VANSICHEN

SimKon by Vansichen has been a specialist for linear travelling axes for industrial robots and for workpiece positioning using rotary and rotary-tilting tables since 1998. By individually configuring our standard components to meet the specific demands of our customers, we are able to design and create customised solutions. We therefore place high value on the **quality, precision and continuous optimisation of our products**.

Our solely German design and production activities at our headquarters in Hilchenbach (in the Siegen-Wittgenstein district in the south of the German federal state of North Rhine-Westphalia) are highly appreciated by renowned robot and automotive manufacturers, suppliers, system houses and manufacturing industry companies both in Germany and abroad.

As a provider of **complete solutions**, SimKon not only offers linear axes for articulated robots but also, and in particular, parts for industrial robots, accessories for automated systems and auxiliary equipment for tool positioning and robot assembly.

The company SimKon G. Ziel GmbH was taken over by the Belgian family company 'Vanischen Linear Technology' in 2020 and has since been operating under the name 'SimKon by Vansichen'. The acquisition has enabled the company to expand its product range and offer a multitude of other synergies. The group employs a total of 29 members of staff at two locations: Vansichen Linear Technology in eastern Belgium and SimKon by Vanischen in Hilchenbach, Germany. Both companies offer many years of experience and extensive expertise in the field of robot tracks.

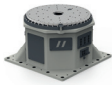
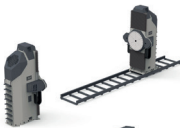
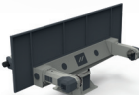
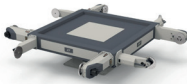
// QUALITY

// SERVICE

// EXPERTISE

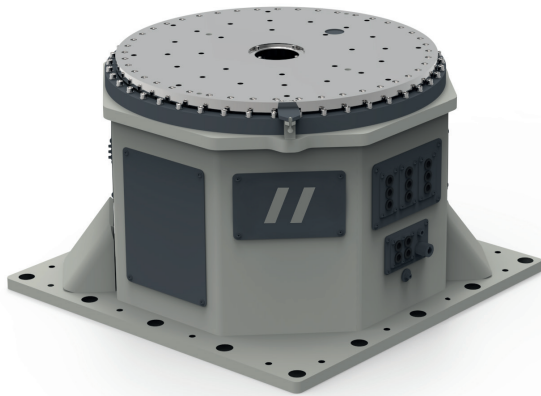
// TRUST

CONTENT

	SVP-V	4
	SVP-I(D)	5
	SVP-IB(D)	6
	SVP-IBD-Z(T)	7
	SVP-L & SVP-LB	8
	SVP-LLB	11
	SVP-UBD	13
	SVP-K3	15
	SVP-H3	17
	POSSIBLE OPTIONS	19
	REALISATIONS	20

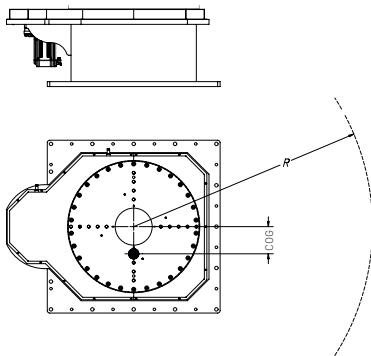
SVP-V | SINGLE AXIS POSITIONER

Single axis turn table positioner for heavy payloads. Suitable for large diameter workpieces.
Available also in extra high accuracy version for machining type applications.



Specifications:

- The SVP-V is a basic module, single axis positioner for heavy duty applications up to *30.000 kg payload.
- The positioner is designed for rigidity, with high strength welded steel structure.
- The design also makes it possible to manufacture this positioner to a low cost that will keep the price to customer low.
- We are using state of art reduction gearboxes, X bearings and gear solutions.
- There are several options available.



Available options:

- Ground bushing with sliding copper blocks.
- Swivel unit, for air and signals.
- Extra high accuracy version.
- Home /safe position sensor.
- Servo motor integration.
- Special color of paint.

Technical data		SVP-V-1000	SVP-V-2000	SVP-V-3000	SVP-V-5000	SVP-V-10000	SVP-V-20000	SVP-V-40000
Max. payload	kg	1.000	2.000	3.000	5.000	10.000	20.000	40.000
Fixture diameter (2xR)	mm	2.500	3.500	4.500	5.000	5.000	5.000	5.000
COG offset	mm	250	250	250	250	250	250	250
18Max. speed	rpm	15	7,5	8,6	6,3	6	4	3
	degree/s	90	45	51,6	37,8	36	24	18
Index time	s/180 degree	2,5	4,5	4,5	6	6	8,5	12
Allowable inertia	kgm ²	550	3.000	7.500	15.000	30.000	50.000	125.000
Static torque	Nm	1.400	3.500	7.000	8.500	18.500	21.000	25.000
Dynamic torque	Nm	1.950	4.000	8.000	10.000	20.000	25.000	53.000
Emergency stop torque	Nm	1.600	5.000	12.500	16.000	30.000	35.000	45.000
Run-out at 500mm	mm	0,05	0,05	0,05	0,05	0,05	0,05	0,05
ES TIME	s	0,30	0,45	0,70	0,70	0,70	0,70	0,45
Recommended Servo Motors (Given technical specs are related to servo motor parameters. Technical specs can be differ than the given depend to selected motors.)								
FANUC		ALPHA IS-8-4000	BETA IS-12-3000	ALPHA IS-22-4000	ALPHA IS-22-4000	ALPHA IS-40-4000	ALPHA IS-40-4000	2xALPHA IS-40-4000
YASKAWA		SGMRV-13ANA-YR2	SGMRV-13A_A-YR1	SGMRV-37A_A-YR1	SGMRV-37A_A-YR1	SGMRV-44A_A-YR	SGMRV-44A_A-YR	2xSGMRV-55ANA-YR11
ABB		MU300	MU300	MU400	MU400	MU400	MU400	
KUKA		MG_109_130_30_T1	MG_289_180_20_T1	MG_289_180_20_T1	MG_289_180_20_T1	MG_289_180_20_T1	MG_289_180_20_T1	MG_420_180_20_T1
SIEMENS		1FK2208	1FK2210	1FK2210	1FK2210	1FK2210	1FK2210	1FK2210

* In case of need more than 30.000 kg payload please contact us: info@simkon.de

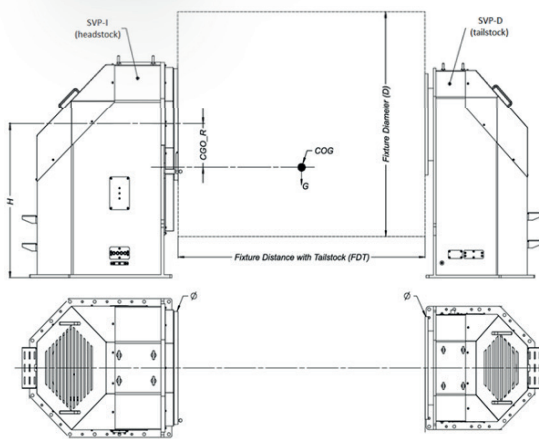
SVP-I(D) | SINGLE AXIS POSITIONER

Single horizontal axis positioner for light and medium payloads. Cost efficient solution for simpler applications. Available with or without tailstock.



Specifications:

- The SVP-I(D) is a basic module, single axis positioner for light and medium duty applications up to 2.000 kg payload.
- The positioner is a basic module with low weight, high strength welded steel structure and is also used as a module other positioners component in other positioners.
- The design also makes it possible to manufacture this positioner to a low cost that will keep the price to customer low.
- State of art reduction gearboxes are used.
- The positioner can be equipped with fixed or sliding tailstock.
- There are several options available.



Available options:

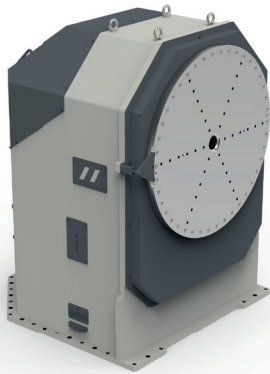
- Ground bushing with sliding copper blocks.
- Swivel unit, for air and signals (for tailstock).
- Fixed tailstock.
- Sliding tailstock.
- Z-stroke unit.
- Home/safe position sensor.
- Servo motor integration.
- Special color of paint.

Technical data		SVP-I(D)-500	SVP-I(D)-750	SVP-I(D)-1000	SVP-I(D)-2000
Max. payload	kg	500	750	1.000	2.000
Fixture diameter (D)	mm	800	800	800	1.500
		1.200	1.200	1.200	2.000
		1.600	1.600	1.600	2.500
		2.000	2.000	2.000	3.000
Max. fixture length (L)	mm	5.000	4.500	4.000	4.000
COG offset	mm	225	225	180	180
Max. speed	rpm	20	17,5	15	10
	degree/s	120	105	90	60
Index time	s/180 degree	2	2	2,3	3,5
Allowable inertia	kgm ²	250	400	530	2.300
Static torque	Nm	1.000	1.600	1.750	3.500
Dynamic torque	Nm	2.000	2.800	3.000	5.500
Emergency stop torque	Nm	2.500	3.300	3.350	7.400
Run-out at 500mm	mm	0,05	0,05	0,05	0,05
ES TIME	s	0,25	0,25	0,22	0,28
Recommended Servo Motors (Given technical specs are related to servo motor parameters. Technical specs can be differ than the given depend to selected motors.)					
FANUC		BETA IS 8-3000	BETA IS 12-3000	BETA IS 12-3000	BETA IS 22-2000
YASKAWA		SGMRV-13A_A-YR	SGMRV-20A_A-YR1	SGMRV-20A_A-YR1	SGMRV-30A_A-YR
ABB		MU300	MU300	MU300	MU400
KUKA		ME_122_124_30_S0	MX_110_130_40_S0	MX_110_130_40_S0	MG_210_180_20_T1
SIEMENS		1FK2206	1FK2206	1FK2206	1FK2208
OTC		W-L02152	W-L02152	W-L02152	W-L02157

SVP-IB(D) | SINGLE AXIS POSITIONER

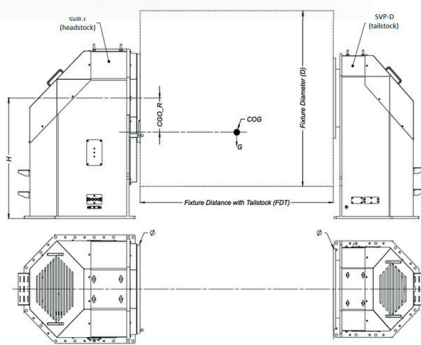
Single horizontal axis positioner for heavy payloads.

Cost efficient solution for bigger applications. Available with or without tailstock.



Specifications:

- The SVP-IB(D) is a basic module, single axis positioner for heavy duty applications up to 40.000 kg payload.
- The positioner is designed for rigidity, with high strength welded steel structure.
- The design also makes it possible to manufacture this positioner to a low cost that will keep the price to customer low.
- We are using state of art reduction gearboxes, X bearings and gear solutions.
- The positioner can be equipped with fixed or sliding tailstock.
- There are several options available.

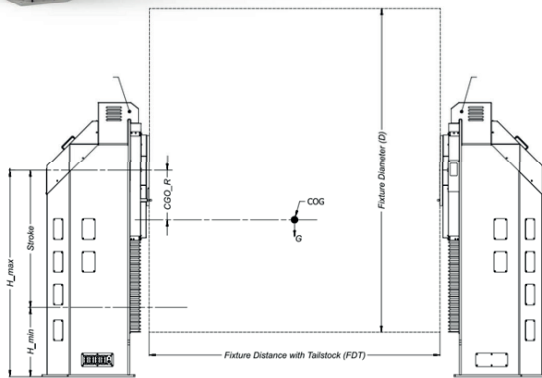
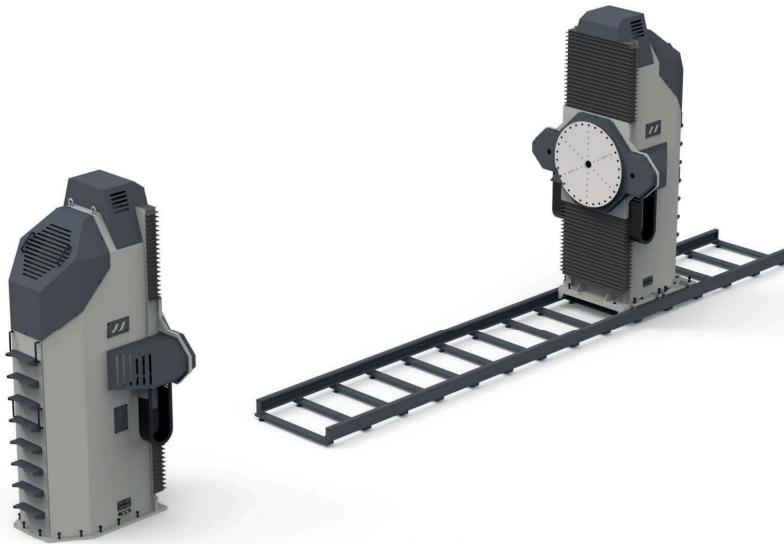


Available options:

- Extra servo controlled Z-stroke.
- Ground bushing with sliding copper blocks.
- Swivel unit, for air and signals.
- Fixed tailstock.
- Sliding tailstock.
- Z-stroke unit.
- Home/safe position sensor.
- Servo motor integration.
- Special color of paint.

Technical data		SVP-IB(D)-1500	SVP-IB(D)-3000	SVP-IB(D)-5000	SVP-IB(D)-7500	SVP-IB(D)-10000	SVP-IB(D)-15000	SVP-IB(D)-20000	SVP-IB(D)-40000	SVP-IB(D)-60000
Max. payload	kg	1.500	3.000	5.000	7.500	10.000	15.000	20.000	40.000	60.000
Fixture diameter	mm	1.500	1.500	2.000	2.000	2.500	2.500	2.500	2.500	2.500
		2.000	2.000	2.500	2.500	3.000	3.000	3.000	3.000	3.000
		2.500	2.500	3.000	3.000	3.500	3.500	3.500	3.500	3.500
		3.000	3.000	3.500	3.500	4.000	4.000	4.000	4.000	4.000
							4.500	4.500	4.500	4.500
Max. fixture length	mm	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000
COG offset	mm	180	150	110	115	110	79	80	80	80
Max. speed	rpm	10	7	6	6	5,5	6	3,5	3	2,4
	degree/s	60	42	36	36	33	33	21	18	14,4
Index time	s/180 degree	3,5	4,7	5,5	6	6	6	9,5	11,2	13,2
Allowable inertia	kgm ²	1.750	3.500	7.750	11.000	20.000	38.000	40.000	100.000	140.000
Static torque	Nm	2.650	4.400	5.400	10.000	10.000	12.000	15.500	35.000	45.000
Dynamic torque	Nm	4.000	7.000	9.000	10.600	18.500	25.000	25.500	55.000	75.000
Emergency stop torque	Nm	5.000	10.000	12.000	10.600	29.000	35.000	40.000	75.000	100.000
Repeatability at 500mm	mm	0,10	0,10	0,10	0,05	0,10	0,10	0,20	0,20	0,40
ES TIME	s	0,35	0,25	0,45	0,45	0,45	0,45	0,45	0,45	0,45
Recommended Servo Motors (Given technical specs are related to servo motor parameters. Technical specs can be differ than the given depend to selected motors.)										
FANUC		BETA IS 12-3000	BETA IS 12-3000	BETA IS 12-3000	ALPHA IS 30-4000	ALPHA IF22-3000	ALPHA IF22-3000	ALPHA IF30-4000	2xBETA IS 40-3000	2xBETA IS 40-3000
YASKAWA		SGMRV-30A_A-YR1	SGMRV-30A_A-YR1	SGMRV-30A_A-YR1	SGMRV-37A_A-YR1	SGMRV-37A_A-YR1	SGMRV-55ANA-YR11	SGMRV-55	2xSGMRV-44A_A-YR	2xSGMRV-44A_A-YR
ABB		MU300	MU300	MU400	MU400	MU400	MU400	MU400 (lower capacity)	2xMU400	2xMU400
KUKA		MG_109_130_30_T1	MG_109_130_30_T1	MG_109_130_30_T1	MG_289_180_20_T1	MG_289_180_20_T1	MG_526_180_20_T1	MG_526_180_20_T1	2xMG_289_180_20_T1	2xMG_289_180_20_T1
SIEMENS		1FK2208	1FK2208	1FK2208	1FK2210	1FK2210	1FK2210	1FK2210	2x1FK2210	2x1FK2210
OTC		W-L02152	W-L02152	W-L02152	W-L02157				2xW-L02160	2xW-L02160

SVP-IBD-Z(T) | SINGLE AXIS POSITIONER



Specifications:

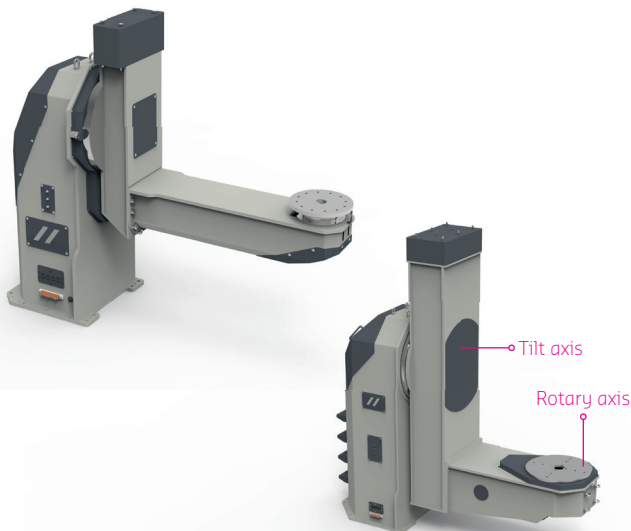
- Z-stroke units are combined with SVP-IB, SVP-L and SVP-D tailstocks, to increase the work envelope or optimize loading/working positions.
- Z stroke units are always servo motor driven and integrated with the other axis servo systems.

Available options can be varied related to the main type of the positioner. Please refer them for details.

Technical data		SVP-IBD-Z(T)-1500	SVP-IBD-Z(T)-3000	SVP-IBD-Z(T)-5000	SVP-IBD-Z(T)-10000	SVP-IBD-Z(T)-20000	SVP-IBD-Z(T)-40000	SVP-IBD-Z(T)-60000
Max. payload	kg	1.500	3.000	5.000	10.000	20.000	40.000	60.000
Stroke	mm	0,5	0,5	1	1	1	1	1
		1.000	1.000	1.500	1.500	1.500	1.500	1.500
		-	-	2	2	2	2	2
		-	-	2	2	2	2	2
Max. fixture length	mm	10.000	10.000	10.000	10.000	10.000	10.000	10.000
COG offset	mm	180	150	110	110	80	80	80
Max. speed	rpm	10	7	6	5,5	3,5	3	2,4
	degree/s	60	42	36	33	21	18	14,4
Index time	s/180 degree	3,5	4,7	5,5	6	9,5	11,2	13,2
Allowable inertia	kgm ²	1.750	3.500	7.750	20.000	40.000	100.000	140.000
Static torque	Nm	2.650	4.400	5.400	10.000	15.500	35.000	45.000
Dynamic torque	Nm	4.000	7.000	9.000	18.500	25.500	55.000	75.000
Emergency stop torque	Nm	5.000	10.000	12.000	29.000	40.000	75.000	100.000
Repeatability at 500mm	mm	0,10	0,10	0,10	0,10	0,20	0,20	0,40
ES TIME	s	0,35	0,25	0,45	0,45	0,45	0,45	0,45
Recommended Servo Motors (Given technical specs are related to servo motor parameters. Technical specs can be differ than the given depend to selected motors.)								
FANUC		BETA IS 12-3000	BETA IS 12-3000	BETA IS 12-3000	ALPHA IF22-3000	ALPHA IF30-4000	2xBETA IS 40-3000	2xBETA IS 40-3000
YASKAWA		SGMRV-30A_A-YR1	SGMRV-30A_A-YR1	SGMRV-30A_A-YR1	SGMRV-37A_A-YR1	SGMRV-55	2xSGMRV-44A_A-YR	2xSGMRV-44A_A-YR
ABB		MU300	MU300	MU400	MU400	MU400	2xMU400	2xMU400
KUKA		MG_109_130_30_T1	MG_109_130_30_T1	MG_109_130_30_T1	MG_289_180_20_T1	MG_526_180_20_T1	2xMG_289_180_20_T1	2xMG_289_180_20_T1
SIEMENS		1FK2208	1FK2208	1FK2208	1FK2210	1FK2210	2x1FK2210	2x1FK2210
OTC		W-L02152	W-L02152	W-L02152			2xW-L02160	2xW-L02160

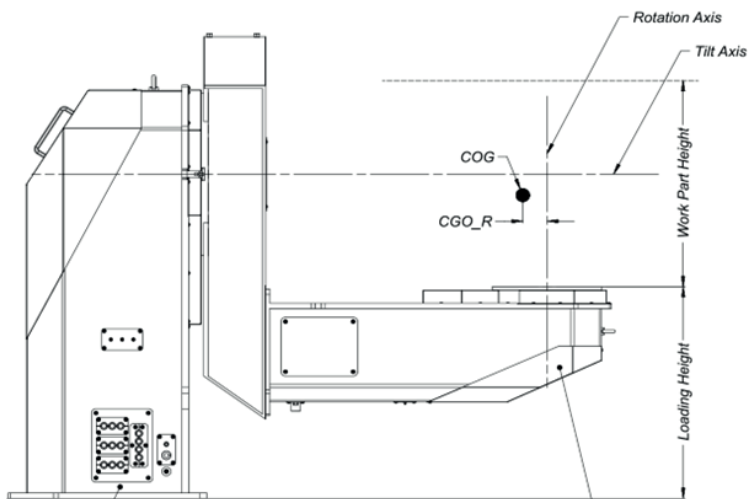
SVP-L | 2 AXES POSITIONER

5 axis turn table type positioner with 4 fixture positions. Suitable for light and medium weight payloads..



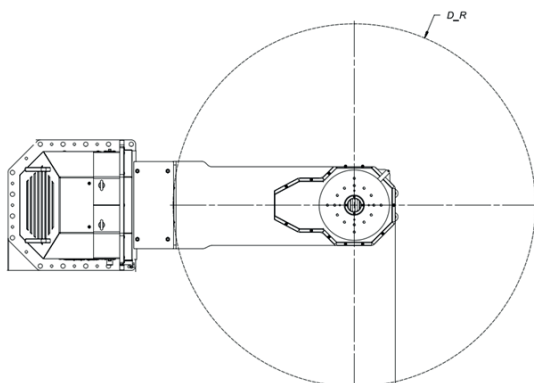
Specifications:

- The SVP-L is a basic modular, dualaxis positioner.
- The positioner is designed for rigidity, with high strength welded steel structure.
- The design also makes it possible to manufacture this positioner to a low cost that will keep the price to customer low.
- We are using state of art reduction gearboxes.
- The positioner can be equipped with fixed or sliding tailstock.
- There are several options available.



Available options:

- Extra servo controlled Z-stroke at tilt axes.
- Ground bushing with sliding copper blocks.
- Ground cables connected to a connection point at positioner base.
- Fixed tailstock.
- Sliding tailstock.
- Z-stroke unit.
- Swivel unit, for air and signals. (not servo motor signals)
- Home/safe position sensor.
- Servo motor integration.
- Special color of paint.



SVP-L | 2 AXES POSITIONER

ROTATION AXES

Technical data		SVP-L-500	SVP-L-750	SVP-L-1000	SVP-L-2000
ROTATION AXES		SVP-I-500	SVP-I-750	SVP-I-1000	SVP-I-2000
Max. payload	kg	500	750	1.000	2.000
Fixture diameter	mm	800	800	800	1.500
		1.200	1.200	1.200	2.000
		1.600	1.600	1.600	2.500
		2.000	2.000	2.000	3.000
COG offset	mm	225	225	180	
Max. speed	rpm	20	17,5	15	10
	degree/s	120	105	90	60
Index time	s/180 degree	2	2	2,3	3,5
Allowable inertia	kgm ²	250	400	530	2.300
Static torque	Nm	1.000	1.600	1.750	3.500
Dynamic torque	Nm	2.000	2.800	3.000	5.500
Emergency stop torque	Nm	2.500	3.300	3.350	7.400
Repeatability at 500mm	mm	0,05	0,05	0,05	0,05
ES TIME	s	0,25	0,25	0,22	0,28

Recommended Servo Motors (Given technical specs are related to servo motor paramaters. Technical specs can be differ than the given depend to selected motors.)

FANUC		BETA IS 8-3000	BETA IS 12-3000	BETA IS 12-3000	BETA IS 22-2000
YASKAWA		SGMRV-13A_A-YR	SGMRV-20A_A-YR1	SGMRV-20A_A-YR1	SGMRV-30A_A-YR
ABB		MU300	MU300	MU300	MU400
KUKA		MG_110_110_30_S0	MX_110_130_40_S0	MX_110_130_40_S0	ME_230_155_20_S0
SIEMENS		1FK2206	1FK2206	1FK2206	1FK2210
OTC		W-L02152	W-L02152	W-L02152	W-L02157

TILT AXES

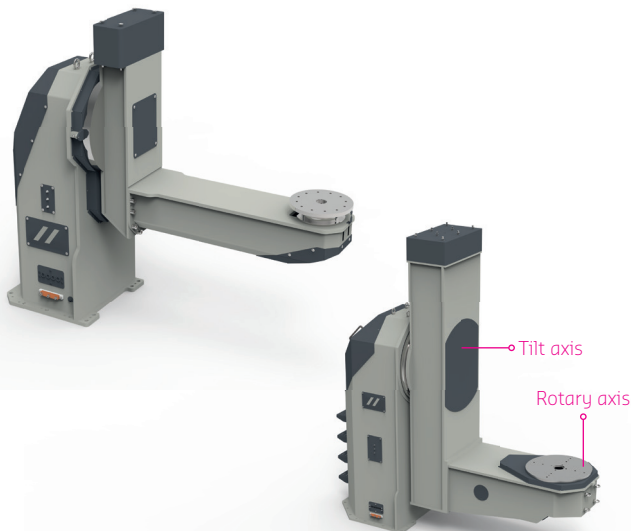
TILT AXES		SVP-IB-1500	SVP-IB-1500	SVP-IB-3000	SVP-IB-5000
Max. payload	kg	1.500	1.500	3.000	5.000
Fixture diameter	mm	1.500	1.500	1.500	2.000
		2.000	2.000	2.000	2.500
		2.500	2.500	2.500	3.000
		3.000	3.000	3.000	3.500
COG offset	mm	180	180	150	110
Max. speed	rpm	10	10	7	6
	degree/s	60	60	42	36
Index time	s/180 degree	3,5	3,5	4,7	5,5
Allowable inertia	kgm ²	1.750	1.750	3.500	7.750
Static torque	Nm	2.650	2.650	4.400	5.400
Dynamic torque	Nm	4.000	4.000	7.000	9.000
Emergency stop torque	Nm	5.000	5.000	10.000	12.000
Repeatability at 500mm	mm	0,10	0,10	0,10	0,10
ES TIME	s	0,35	0,35	0,25	0,45

Recommended Servo Motors (Given technical specs are related to servo motor paramaters. Technical specs can be differ than the given depend to selected motors.)

FANUC		BETA IS 12-3000	BETA IS 12-3000	BETA IS 12-3000	BETA IS 12-3000
YASKAWA		SGMRV-30A_A-YR1	SGMRV-30A_A-YR1	SGMRV-30A_A-YR1	SGMRV-30A_A-YR1
ABB		MU300	MU300	MU300	MU400
KUKA		MG_109_130_30_T1	MG_109_130_30_T1	MG_109_130_30_T1	MG_109_130_30_T1
SIEMENS		1FK2208	1FK2208	1FK2208	1FK2208
OTC		W-L02152	W-L02152	W-L02152	W-L02152

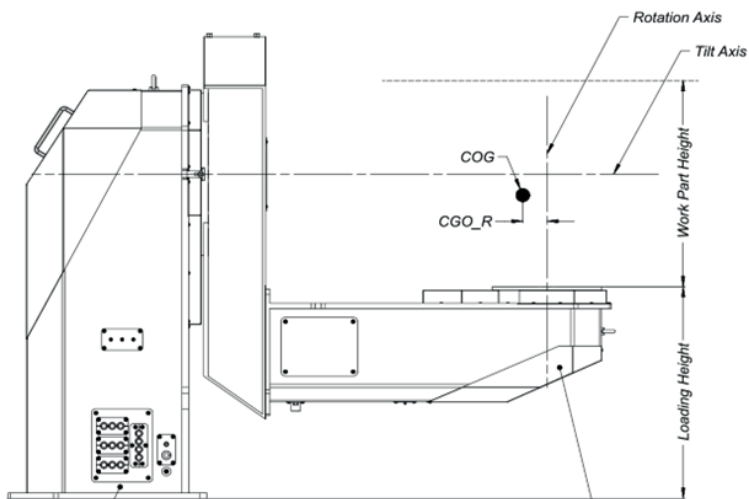
SVP-LB | 2 AXES POSITIONER

5 axis turn table type positioner with 4 fixture positions. Suitable for light and medium weight payloads..



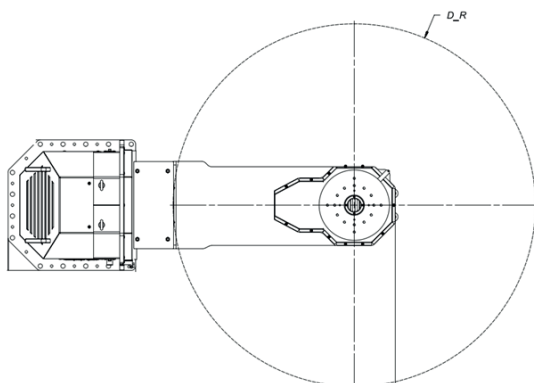
Specifications:

- The SVP-LB is a basic modular, dualaxis positioner.
- The positioner is designed for rigidity, with high strength welded steel structure.
- The design also makes it possible to manufacture this positioner to a low cost that will keep the price to customer low.
- We are using state of art reduction gearboxes.
- The positioner can be equipped with fixed or sliding tailstock.
- There are several options available.



Available options:

- Extra servo controlled Z-stroke at tilt axes.
- Ground bushing with sliding copper blocks.
- Ground cables connected to a connection point at positioner base.
- Fixed tailstock.
- Sliding tailstock.
- Z-stroke unit.
- Swivel unit, for air and signals. (not servo motor signals)
- Home/safe position sensor.
- Servo motor integration.
- Special color of paint.



SVP-L & SVP-LB | 2 AXES POSITIONER

ROTATION AXES

Technical data		SVP-LB-1500	SVP-LB-3000	SVP-LB-5000	SVP-LB-10000	SVP-LB-20000
ROTATION AXES		SVP-IB-1500	SVP-IB-3000	SVP-IB-5000	SVP-IB-10000	SVP-IB-20000
Max. payload	kg	1.500	3.000	5.000	10.000	20.000
Fixture diameter	mm	1.500	1.500	2.000	2.500	2.500
		2.000	2.000	2.500	3.000	3.000
		2.500	2.500	3.000	3.500	3.500
		3.000	3.000	3.500	4.000	4.000
COG offset	mm	180	150	110	110	80
Max. speed	rpm	10	7	6	5,5	3,5
	degree/s	60	42	36	33	21
Index time	s/180 degree	3,5	4,7	5,5	6	9,5
Allowable inertia	kgm ²	1.750	3.500	7.750	20.000	40.000
Static torque	Nm	2.650	4.400	5.400	10.000	15.500
Dynamic torque	Nm	4.000	7.000	9.000	18.500	25.500
Emergency stop torque	Nm	5.000	10.000	12.000	29.000	40.000
Repeatability at 500mm	mm	0,10	0,10	0,10	0,10	0,20
ES TIME	s	0,35	0,25	0,45	0,45	0,45

Recommended Servo Motors (Given technical specs are related to servo motor paramaters. Technical specs can be differ than the given depend to selected motors.)

FANUC		BETA IS 12-3000	BETA IS 12-3000	BETA IS 12-3000	ALPHA IF22-3000	ALPHA IF30-4000
YASKAWA		SGMRV-30A_A-YR1_	SGMRV-30A_A-YR1_	SGMRV-30A_A-YR1_	SGMRV-37A_A-YR1_	SGMRV-55
ABB		MU300	MU300	MU400	MU400	MU400 (lower capacity)
KUKA		MG_109_130_30_T1	MG_109_130_30_T1	MG_109_130_30_T1	MG_289_180_20_T1	MG_526_180_20_T1
SIEMENS		1FK2208	1FK2208	1FK2208	1FK2210	1FK2210
OTC		W-L02152	W-L02152	W-L02152		

TILT AXES

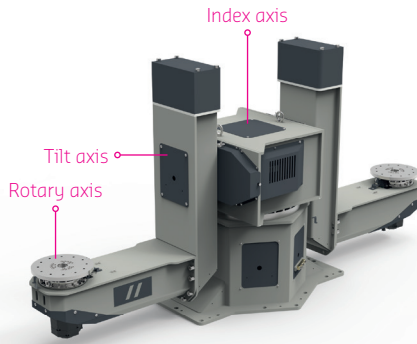
TILT AXES		SVP-IB-3000	SVP-IB-5000	SVP-IB-10000	SVP-IB-20000	SVP-IB-40000
Max. payload	kg	3.000	5.000	10.000	20.000	40.000
Fixture diameter	mm	1.500	2.000	2.500	2.500	2.500
		2.000	2.500	3.000	3.000	3.000
		2.500	3.000	3.500	3.500	3.500
		3.000	3.500	4.000	4.000	4.000
COG offset	mm	150	110	110	80	80
Max. speed	rpm	7	6	5,5	3,5	3
	degree/s	42	36	33	21	18
Index time	s/180 degree	4,7	5,5	6	9,5	11,2
Allowable inertia	kgm ²	3.500	7.750	20.000	40.000	100.000
Static torque	Nm	4.400	5.400	10.000	15.500	35.000
Dynamic torque	Nm	7.000	9.000	18.500	25.500	55.000
Emergency stop torque	Nm	10.000	12.000	29.000	40.000	75.000
Repeatability at 500mm	mm	0,10	0,10	0,10	0,20	0,20
ES TIME	s	0,25	0,45	0,45	0,45	0,45

Recommended Servo Motors (Given technical specs are related to servo motor paramaters. Technical specs can be differ than the given depend to selected motors.)

FANUC		BETA IS 12-3000	BETA IS 12-3000	ALPHA IF22-3000	ALPHA IF30-4000	2xBETA IS 40-3000
YASKAWA		SGMRV-30A_A-YR1	SGMRV-30A_A-YR1	SGMRV-37A_A-YR1	SGMRV-55	2xSGMRV-44A_A-YR
ABB		MU300	MU400	MU400	MU400 (lower capacity)	2xMU400
KUKA		MG_109_130_30_T1	MG_109_130_30_T1	MG_289_180_20_T1	MG_526_180_20_T1	2xMG_289_180_20_T1
SIEMENS		1FK2208	1FK2208	1FK2210	1FK2210	2x1FK2210
OTC		W-L02152	W-L02152			2xW-L02160

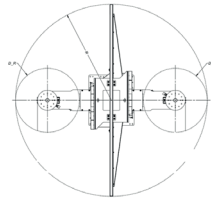
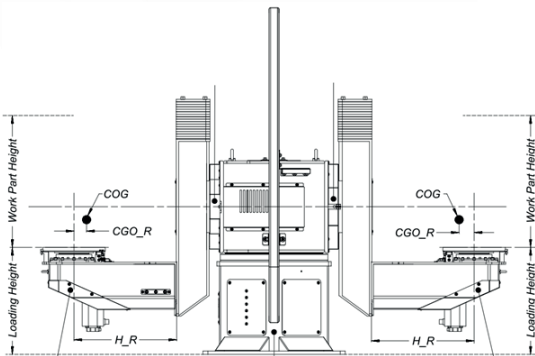
SVP-LLB | 5 AXES POSITIONER

5 axis double L-type positioner with a counter weight tilt axis placed on a rotating center. Suitable for light and medium payloads.



Specifications:

- The SVP-LLB is built up with our modular system. It has 2 fixture positions and are suitable for payloads up to 3.000 kg.
- The positioner is designed for rigidity, with high strength welded steel structure.
- The modular design also makes it possible to manufacture this positioner to a low cost that will keep the price to customer low.
- We are using state of art reduction gearboxes, X bearings and gear solutions.
- There are several options available.



Available options:

- Extra servo controlled Z-stroke.
- Ground bushing with sliding copper blocks.
- Ground cables connected to a connection point at positioner base.
- Swivel unit, for air and signals. (not servo motor signals)
- Home/safe position sensor.
- Servo motor integration.
- Special color of paint.

ROTATION AXES

Technical data		SVP-LLB-500	SVP-LLB-750	SVP-LLB-1000	SVP-LLB-2000	SVP-LLB-3000
ROTATION AXES		SVP-I-500	SVP-I-750	SVP-I-1000	SVP-I-2000	SVP-I-3000
Max. payload	kg	500	750	1.000	2.000	3.000
Fixture diameter	mm	800	800	800	1.500	1.500
		1.200	1.200	1.200	2.000	2.000
		1.600	1.600	1.600	2.500	2.500
		2.000	2.000	2.000	3.000	3.000
						10.000
COG offset	mm	225	225	180		150
Max. speed	rpm	20	17,5	15	10	7
	degree/s	120	105	90	60	42
Index time	s/180 degree	2	2	2,3	3,5	4,7
Allowable inertia	kgm ²	250	400	530	2.300	3.500
Static torque	Nm	1.000	1.600	1.750	3.500	4.400
Dynamic torque	Nm	2.000	2.800	3.000	5.500	7.000
Emergency stop torque	Nm	2.500	3.300	3.350	7.400	10.000
Repeatability at 500mm	mm	0,05	0,05	0,05	0,05	0,10
ES TIME	s	0,25	0,25	0,22	0,28	0,25
Recommended Servo Motors (Given technical specs are related to servo motor parameters. Technical specs can be differ than the given depend to selected motors.)						
FANUC		BETA IS 8-3000	BETA IS 12-3000	BETA IS 12-3000	BETA IS 22-2000	BETA IS 12-3000
YASKAWA		SGMRV-13A_A-YR	SGMRV-20A_A-YR1	SGMRV-20A_A-YR1	SGMRV-30A_A-YR	SGMRV-30A_A-YR
ABB		MU300	MU300	MU300	MU400	MU300
KUKA		ME_122_124_30_50	MX_110_130_40_50	MX_110_130_40_50	ME_230_155_20_50	MG_109_130_30_T1
SIEMENS		1FK2206	1FK2206	1FK2206	1FK2210	1FK2208
OTC		W-L02152	W-L02152	W-L02152	W-L02157	W-L02152

SVP-LLB | 5 AXES POSITIONER

TILT AXES

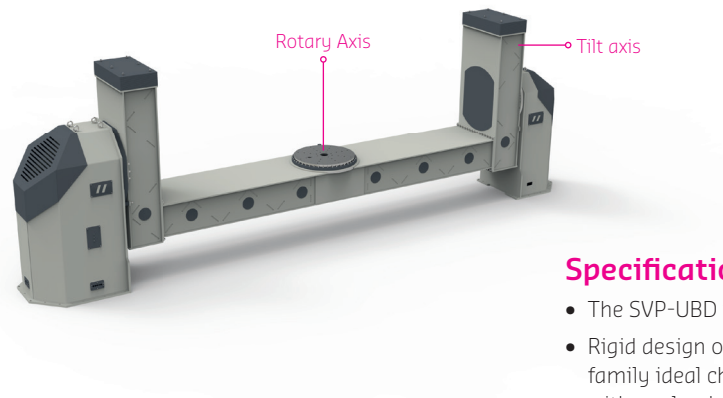
Technical data		SVP-LLB-500	SVP-LLB-750	SVP-LLB-1000	SVP-LLB-2000	SVP-LLB-3000
TILT AXES		SVP-1J-1500	SVP-1B-1500	SVP-1B-3000	SVP-1B-5000	SVP-1B-5000
Max. payload	kg	1.500	1.500	3.000	5.000	5.000
Fixture diameter	mm	1.500	1.500	1.500	2.000	2.000
		2.000	2.000	2.000	2.500	2.500
		2.500	2.500	2.500	3.000	3.000
		3.000	3.000	3.000	3.500	3.500
COG offset	mm	180	180	150	110	110
Max. speed	rpm	10	10	7	6	6
	degree/s	60	60	42	36	36
Index time	s/180 degree	3,5	3,5	4,7	5,5	5,5
Allowable inertia	kgm ^{^2}	1.750	1.750	3.500	7.750	7.750
Static torque	Nm	2.650	2.650	4.400	5.400	5.400
Dynamic torque	Nm	4.000	4.000	7.000	9.000	9.000
Emergency stop torque	Nm	5.000	5.000	10.000	12.000	12.000
Repeatability at 500mm	mm	0,10	0,10	0,10	0,10	0,10
ES TIME	s	0,35	0,35	0,25	0,45	0,45

INDEX AXES

Recommended Servo Motors (Given technical specs are related to servo motor paramaters. Technical specs can be differ than the given depend to selected motors.)						
FANUC		BETA IS 12-3000	BETA IS 12-3000	BETA IS 12-3000	BETA IS 12-3000	BETA IS 12-3000
YASKAWA		SGMRV-30A_A-YR1_	SGMRV-30A_A-YR1_	SGMRV-30A_A-YR1_	SGMRV-30A_A-YR1_	SGMRV-30A_A-YR1_
ABB		MU300	MU300	MU300	MU400	MU400
KUKA		MG_109_130_30_T1	MG_109_130_30_T1	MG_109_130_30_T1	MG_109_130_30_T1	MG_109_130_30_T1
SIEMENS		1FK2208	1FK2208	1FK2208	1FK2208	1FK2208
OTC		W-L02152	W-L02152	W-L02152	W-L02152	W-L02152
INDEX AXES		SVP-V-3000	SVP-V-3000	SVP-V-5000	SVP-V-10000	SVP-V-10000
Max. payload	kg	3.000	3.000	5.000	10.000	10.000
Fixture diameter	mm	4.500	4.500	5.000	5.000	5.000
Max. fixture height	mm	1.500	1.500	2.000	2.000	2.000
COG offset	mm	250	250	250	250	250
Max. speed	rpm	8,6	8,6	6,3	6	6
	degree/s	51,6	51,6	37,8	36	36
Index time	s/180 degree	4,5	4,5	6	6	6
Allowable inertia	kgm ^{^2}	7.500	7.500	15.000	30.000	30.000
Static torque	Nm	7.000	7.000	8.500	18.500	18.500
Dynamic torque	Nm	8.000	8.000	10.000	20.000	20.000
Emergency stop torque	Nm	12.500	12.500	16.000	30.000	30.000
Repeatability at 500mm	mm	0,05	0,05	0,05	0,05	0,05
ES TIME	s	0,70	0,70	0,70	0,70	0,70
Recommended Servo Motors (Given technical specs are related to servo motor paramaters. Technical specs can be differ than the given depend to selected motors.)						
FANUC		ALPHA IS-22-4000	ALPHA IS-22-4000	ALPHA IS-22-4000	ALPHA IS-40-4000	ALPHA IS-40-4000
YASKAWA		SGMRV-37A_A-YR1	SGMRV-37A_A-YR1	SGMRV-37A_A-YR1	SGMRV-44A_A-YR	SGMRV-44A_A-YR
ABB		MU400	MU400	MU400	MU400	MU400
KUKA		MG_289_180_20_T1	MG_289_180_20_T1	MG_289_180_20_T1	MG_289_180_20_T1	MG_289_180_20_T1
SIEMENS		1FK2210	1FK2210	1FK2210	1FK2210	1FK2210

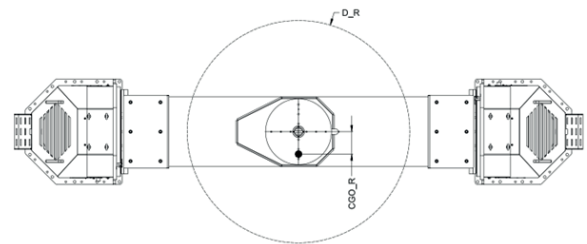
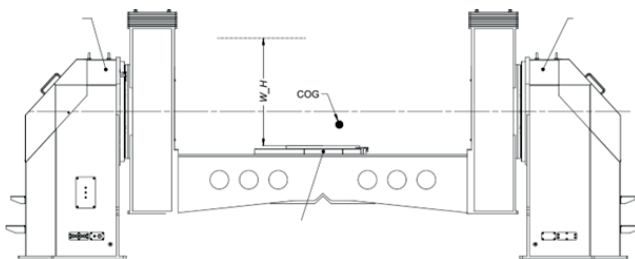
SVP-UBD | 2 AXES POSITIONER

2 axis turn table type positioner with 4 fixture positions. Suitable for light and medium weight payloads.



Specifications:

- The SVP-UBD is built up with our modular system.
- Rigid design of the structure makes this positioner family ideal choice for heavier and larger work parts with payload up to 20.000 kg.
- The modular design also makes it possible to manufacture this positioner to a low cost that will keep the price to customer low.
- We are using state of art reduction gearboxes, X bearings and gear solutions.
- There are several options available.



Available options:

- Ground bushing with sliding copper blocks.
- Ground cables connected to a connection point at positioner base.
- Swivel unit, for air and signals. (not servo motor signals)
- Home/safe position sensor.
- Servo motor integration.
- Special color of paint.

SVP-UBD | 2 AXES POSITIONER

ROTATION AXES

Technical data		SVP-UBD-3000	SVP-UBD-5000	SVP-UBD-10000	SVP-UBD-20000
ROTATION AXES		SVP-V-3000	SVP-V-5000	SVP-V-10000	SVP-V-20000
Max. payload	kg	3.000	5.000	10.000	20.000
Fixture diameter	mm	4.500	5.000	5.000	5.000
		1.500	2.000	2.000	2.000
COG offset	mm	250	250	250	250
Max. speed	rpm	8,6	6,3	6	4
	degree/s	51,6	37,8	36	24
Index time	s/180 degree	4,5	6	6	8,5
Allowable inertia	kgm ²	7.500	15.000	30.000	50.000
Static torque	Nm	7.000	8.500	18.500	21.000
Dynamic torque	Nm	8.000	10.000	20.000	25.000
Emergency stop torque	Nm	12.500	16.000	30.000	35.000
Repeatability at 500mm	mm	0,10	0,05	0,05	0,05
ES TIME	s	0,70	0,70	0,70	0,70

Recommended Servo Motors (Given technical specs are related to servo motor paramaters. Technical specs can be differ than the given depend to selected motors.)

FANUC		ALPHA IS-22-4000	ALPHA IS-22-4000	ALPHA IS-40-4000	ALPHA IS-40-4000
YASKAWA		SGMRV-37A_A-YR1	SGMRV-37A_A-YR1	SGMRV-44A_A-YR	SGMRV-44A_A-YR
ABB		MU400	MU400	MU400	MU400
KUKA		MG_289_180_20_T1	MG_289_180_20_T1	MG_289_180_20_T1	MG_289_180_20_T1
SIEMENS		1FK2210	1FK2210	1FK2210	1FK2210

TILT AXES

TILT AXES		SVP-IB-5000	SVP-IB-10000	SVP-IB-20000	SVP-IB-40000
Max. payload	kg	5.000	10.000	20.000	40.000
Fixture diameter	mm	2.000	2.500	2.500	2.500
		2.500	3.000	3.000	3.000
		3.000	3.500	3.500	3.500
		3.500	4.000	4.000	4.000
COG offset	mm	110	110	80	80
Max. speed	rpm	6	5,5	3,5	3
	degree/s	36	33	21	18
Index time	s/180 degree	5,5	6	9,5	11,2
Allowable inertia	kgm ²	7.750	20.000	40.000	100.000
Static torque	Nm	5.400	10.000	15.500	35.000
Dynamic torque	Nm	9.000	18.500	25.500	55.000
Emergency stop torque	Nm	12.000	29.000	40.000	75.000
Repeatability at 500mm	mm	0,10	0,10	0,20	0,20
ES TIME	s	0,45	0,45	0,45	0,45

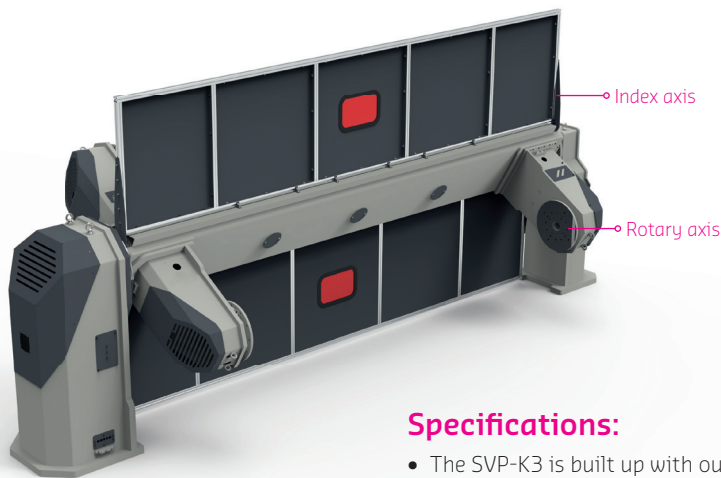
Recommended Servo Motors (Given technical specs are related to servo motor paramaters. Technical specs can be differ than the given depend to selected motors.)

FANUC		BETA IS 12-3000	ALPHA IF22-3000	ALPHA IF30-4000	2xBETA IS 40-3000
YASKAWA		SGMRV-30A_A-YR1	SGMRV-37A_A-YR1	SGMRV-55	2xSGMRV-44A_A-YR
ABB		MU400	MU400	MU400 (lower capacity)	2xMU400
KUKA		MG_109_130_30_T1	MG_289_180_20_T1	MG_526_180_20_T1	2xMG_289_180_20_T1
SIEMENS		1FK2208	1FK2210	1FK2210	2x1FK2210
OTC		W-L02152			2xW-L02160

SVP-K3 | 3 AXES POSITIONER

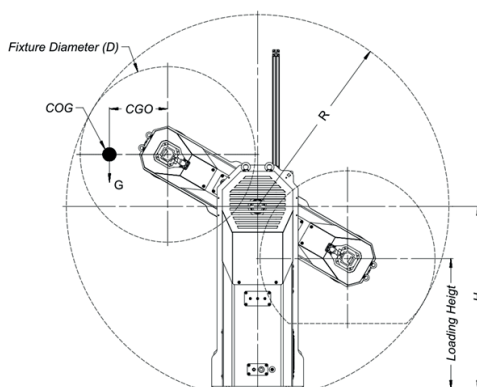
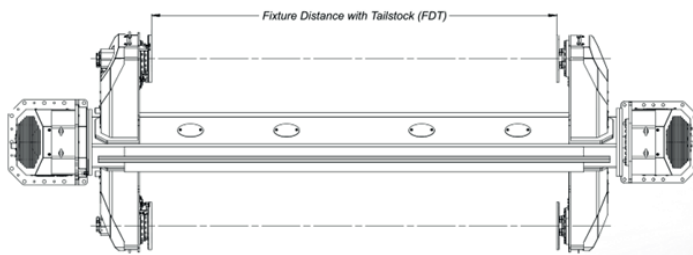
3 axis vertical rotating-type positioner with 2 fixture positions.

Classical 'Ferris-wheel' style positioner. Suitable for light and medium weight payloads.



Specifications:

- The SVP-K3 is built up with our modular system. It has 2 fixture positions.
- The positioner is designed for rigidity, with high strength welded steel structure.
- The modular design also makes it possible to manufacture this positioner to a low cost that will keep the price to customer low.
- We are using state of art reduction gearboxes, X bearings and gear solutions.
- There are several options available.



Available options:

- Ground bushing with sliding copper blocks.
- Ground cables connected to a connection point at positioner base.
- Swivel unit, for air and signals. (not servo motor signals)
- Home/safe position sensors.
- Servo motor integration.
- Special color of paint.

SVP-K3 | 3 AXES POSITIONER

ROTATION AXES

Technical data		SVP-K3-250	SVP-K3-500	SVP-K3-750	SVP-K3-1000	SVP-K3-2000
ROTATION AXES		SVP-I-250	SVP-I-500	SVP-I-750	SVP-I-1000	SVP-I-2000
Max. payload	kg	250	500	750	1.000	2.000
Fixture diameter	mm	800	800	800	800	1.500
		1.200	1.200	1.200	1.200	
		1.600	1.600	1.600	1.600	
Max. fixture length	mm	4.500	4.500	4.500	4.000	4.000
COG offset	mm	290	225	225	180	180
Max. speed	rpm	27	20	17,5	15	10
	degree/s	162	120	105	90	60
Index time	s/180 degree	1,3	2	2	2,3	3,5
Allowable inertia	kgm ²	100	250	400	530	2.300
Static torque	Nm	515	1.000	1.600	1.750	3.500
Dynamic torque	Nm	1.500	2.000	2.800	3.000	5.500
Emergency stop torque	Nm	3.000	2.500	3.300	3.350	7.400
Repeatability at 500mm	mm	0,05	0,05	0,05	0,05	0,05
ES TIME	s	0,20	0,25	0,25	0,22	0,28

Recommended Servo Motors (Given technical specs are related to servo motor paramaters. Technical specs can be differ than the given depend to selected motors.)

FANUC		BETA IS 8-3000	BETA IS 8-3000	BETA IS 12-3000	BETA IS 12-3000	BETA IS 22-2000
YASKAWA		SGMRS-12A_B-YR	SGMRV-13A_A-YR	SGMRV-20A_A-YR1	SGMRV-20A_A-YR1	SGMRV-30A_A-YR
ABB		MU200	MU300	MU300	MU300	MU400
KUKA		ME_122_124_30_S0	ME_122_124_30_S0	MX_110_130_40_S0	MX_110_130_40_S0	ME_230_155_20_S0
SIEMENS		1FK2206	1FK2206	1FK2206	1FK2206	1FK2210
OTC		W-L02150	W-L02152	W-L02152	W-L02152	W-L02157

INDEX AXES

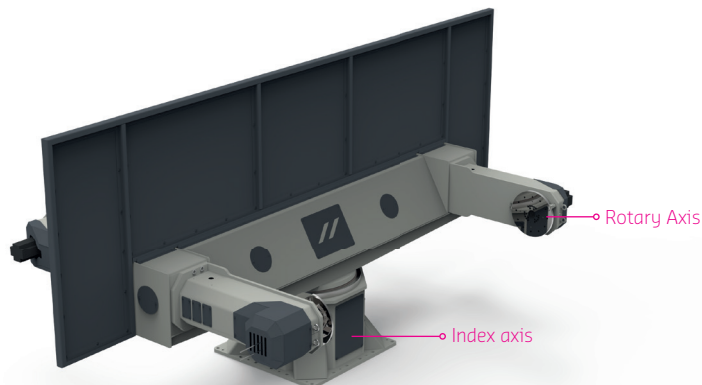
INDEX AXES		SVP-IB-1500	SVP-IB-2000	SVP-IB-3000	SVP-IB-3000	SVP-IB-5000
Max. payload	kg	1.500	2.000	3.000	3.000	5.000
Fixture diameter	mm	1.500	1.500	1.500	1.500	2.000
		2.000	2.000	2.000	2.000	2.500
		2.500	2.500	2.500	2.500	3.000
		3.000	3.000	3.750	3.750	3.750
Max. fixture length	mm	5.000	5.000	5.000	5.000	5.000
COG offset	mm	180	180	300	300	220
Max. speed	rpm	10	10	9	9	8
	degree/s	60	60	54	54	48
Index time	s/180 degree	3,5	3,5	4	4	4,7
Allowable inertia	kgm ²	1.750	2.300	5.500	5.500	9.000
Static torque	Nm	2.650	3.500	8.000	8.000	5.400
Dynamic torque	Nm	4.000	5.500	9.000	9.000	9.000
Emergency stop torque	Nm	5.000	7.400	11.000	11.000	18.000
Repeatability at 500mm	mm	0,10	0,05	0,10	0,10	0,10
ES TIME	s	0,35	0,28	0,50	0,50	0,50

Recommended Servo Motors (Given technical specs are related to servo motor paramaters. Technical specs can be differ than the given depend to selected motors.)

FANUC		BETA IS 12-3000	BETA IS 22-2000	ALPHA IS-22-400	ALPHA IS-22-4000	ALPHA IS-22-4000
YASKAWA		SGMRV-30A_A-YR1	SGMRV-30A_A-YR	SGMRV-37A_A-YR1	SGMRV-37A_A-YR1	SGMRV-37A_A-YR1
ABB		MU300	MU400	MU400	MU400	MU400
KUKA		MG_109_130_30_T1	ME_230_155_20_S0	MG_289_180_20_T1	MG_289_180_20_T1	MG_289_180_20_T1
SIEMENS		1FK2208	1FK2210	1FK2210	1FK2210	1FK2210
OTC		W-L02152	W-L02157			

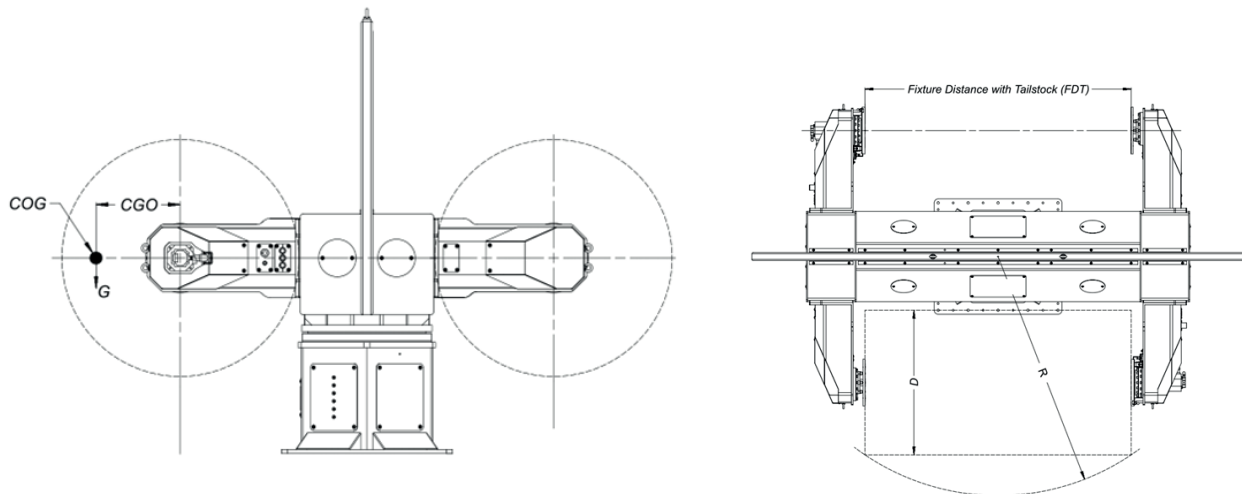
SVP-H3 | 3 AXES POSITIONER

3 axes horizontal (turn table) rotating-type positioner with 2 fixture positions.
Suitable for light and medium weight payloads.



Specifications:

- The SVP-H3 is built up with our modular system. It has 2 fixture positions.
- The positioner is designed for rigidity, with high strength welded steel structure.
- The modular design also makes it possible to manufacture this positioner to a low cost that will keep the price to customer low.
- We are using state of art reduction gearboxes, X bearings and gear solutions.
- There are several options available.



Available options:

- Ground bushing with sliding copper blocks.
- Ground cables connected to a connection point at positioner base.
- Swivel unit, for air and signals. (not servo motor signals)
- Home/safe position sensors.
- Servo motor integration.
- Special color of paint.

SVP-H3 | 3 AXES POSITIONER

ROTATION AXES

Technical data		SVP-H3-500	SVP-H3-750	SVP-H3-1000	SVP-H3-2000
ROTATION AXES		SVP-I-500	SVP-I-750	SVP-I-1000	SVP-I-2000
Max. payload	kg	500	750	1.000	2.000
Fixture diameter	mm	800	800	800	1.500
		1.200	1.200	1.200	2.000
		1.600	1.600	1.600	
				2.000	
Max. fixture length	mm	4.500	4.500	4.000	4.000
COG offset	mm	225	225	180	180
Max. speed	rpm	20	17,5	15	10
	degree/s	120	105	90	60
Index time	s/180 degree	2	2	2,3	3,5
Allowable inertia	kgm ^{^2}	250	400	530	2.300
Static torque	Nm	1.000	1.600	1.750	3.500
Dynamic torque	Nm	2.000	2.800	3.000	5.500
Emergency stop torque	Nm	2.500	3.300	3.350	7.400
Repeatability at 500mm	mm	0,05	0,05	0,05	0,05
ES TIME	s	0,25	0,25	0,22	0,28

Recommended Servo Motors (Given technical specs are related to servo motor paramaters. Technical specs can be differ than the given depend to selected motors.)

FANUC		BETA IS 8-3000	BETA IS 12-3000	BETA IS 12-3000	BETA IS 22-2000
YASKAWA		SGMRV-13A_A-YR_	SGMRV-20A_A-YR1_	SGMRV-20A_A-YR1_	SGMRV-30A_A-YR_
ABB		MU300	MU300	MU300	MU400
KUKA		ME_122_124_30_50	MX_110_130_40_50	MX_110_130_40_50	ME_230_155_20_50
SIEMENS		1FK2206	1FK2206	1FK2206	1FK2210
OTC		W-L02152	W-L02152	W-L02152	W-L02157

INDEX AXES

INDEX AXES		SVP-V-3000	SVP-V-3000	SVP-V-5000	SVP-V-10000
Max. payload	kg	3.000	3.000	5.000	10.000
Fixture diameter	mm	4.500	4.500	5.000	5.000
Max. fixture height	mm	1.500	1.500	2.000	2.000
COG offset	mm	250	250	250	250
Max. speed	rpm	8,6	8,6	6,3	6
	degree/s	51,6	51,6	37,8	36
Index time	s/180 degree	4,5	4,5	6	6
Allowable inertia	kgm ^{^2}	7.500	7.500	15.000	30.000
Static torque	Nm	7.000	7.000	8.500	18.500
Dynamic torque	Nm	8.000	8.000	10.000	20.000
Emergency stop torque	Nm	12.500	12.500	16.000	30.000
Repeatability at 500mm	mm	0,05	0,05	0,05	0,05

Recommended Servo Motors (Given technical specs are related to servo motor paramaters. Technical specs can be differ than the given depend to selected motors.)

FANUC		ALPHA IS-22-4000	ALPHA IS-22-4000	ALPHA IS-22-4000	ALPHA IS-40-4000
YASKAWA		SGMRV-37A_A-YR1	SGMRV-37A_A-YR1	SGMRV-37A_A-YR1	SGMRV-44A_A-YR
ABB		MU400	MU400	MU400	MU400
KUKA		MG_289_180_20_T1	MG_289_180_20_T1	MG_289_180_20_T1	MG_289_180_20_T1
SIEMENS		1FK2210	1FK2210	1FK2210	1FK2210



POSSIBLE OPTIONS



Slipring

2 air, 4 circuits 2A,
4 Profinet signal + 1 shield



Profinet cable set

Signal + power



Special color



Quick coupling for earth cables



Internal welding cable



Ground bushings 600A/1200A



Harting connector on mainbody

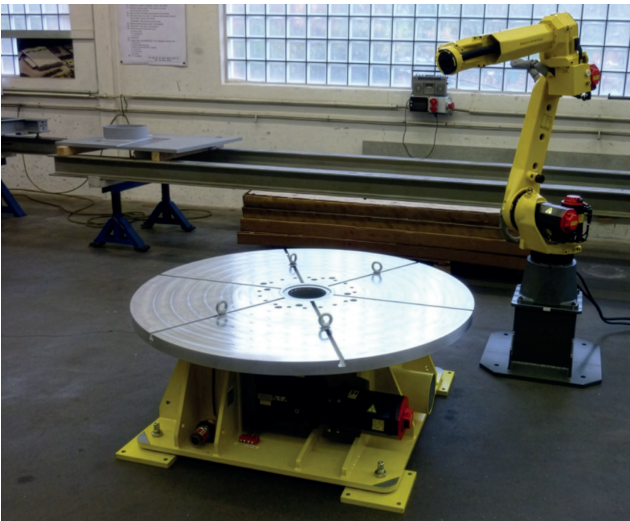
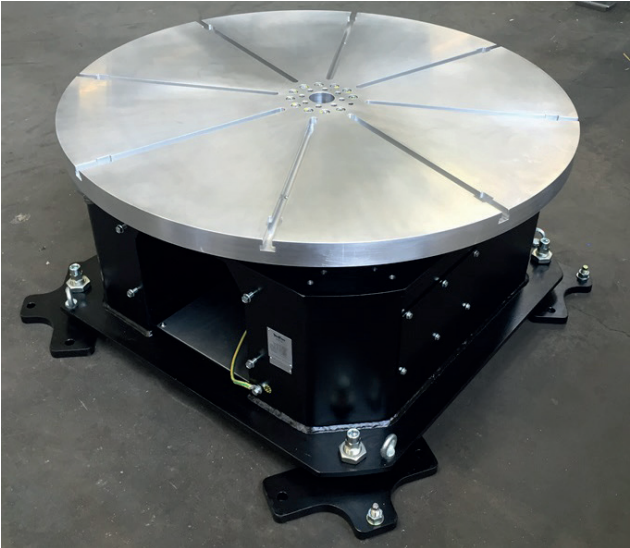


Home position sensor brackets (without sensors)

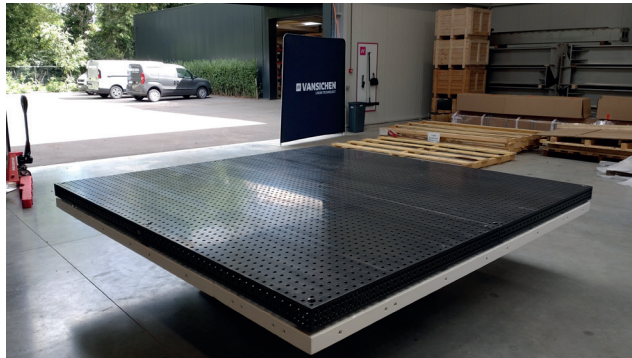


Heavy duty position locking system

REALISATIONS



REALISATIONS



NOTES

[illegible]



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