Npmbsar Glqrpsargml K_ls_j

DKQ/5.X



Qgafs_l Dcglgvq Rcaflmjmew Am,* Jrb



1 1
2 3
2.1 3
2.2 4
2.3 5
2.4 6
3 7
3.1 7
3.2 10
4 12
4.1 12
4.2 12
4.3 14
4.4 14
4.5 15
4.6 16
5 17
5.1 17
5.2 17
5.3 17
6 .....

1





2

FMS170Z 0-1000mm

CT

FMS170Z

50kg

2

FMC04 Feinixs SDK

Ethercat G

2.1

·

300mm 500mm 1000mm

·

·

· SDK

Window Linux C/C++ C# Matlab LabVIEW

·

· EtherCAT

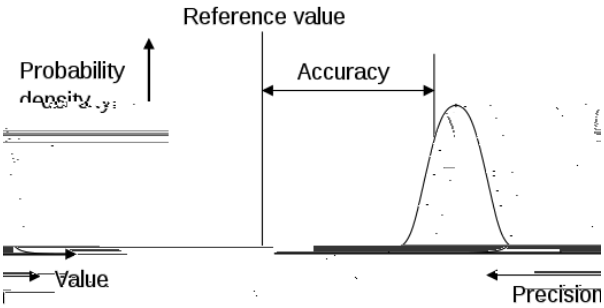
DKQ/5.X

+T0,.&0.04,.6'



3

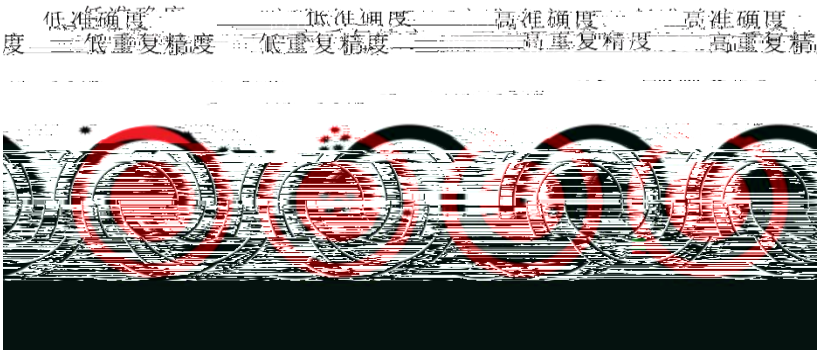
3.1



Feinixs

1

Feinixs



1.

1

1

- - - -

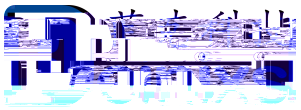


Y Y Z

Y (Straightness Z

(Flatness) 2

2.



3.2

Model	FMS170Z -300	FMS170Z -500	FMS170Z -1000
Travel(mm)	300	500	1000
Load Capacity(Kg)[1]	50	50	50
Resolution(μm)	0.05	0.05	0.05
Min.Incremental Motion(μm)[2]	0.5	0.5	0.5
Undirection Repeatability[3]/Guaranteed(μm)[4]	±1 or 2	±1.5 or 3	±1.5 or 3
Undirection Repeatability/Typical(μm)	±0.5 or 1	±0.75 or 1.5	±0.75 or 1.5
Bi-Directional Repeatability/Guaranteed(μm)	±2 or 4	±2.5 or 5	±3 or 6
Bi-Directional Repeatability/Typical(μm)	±1 or 2	±1.25 or 2.5	±1.5 or 3
Accuracy[3]/Guaranteed(μm)	±3 or 6	±4 or 8	±5 or 10
Accuracy/Typical(μm)	±1.5 or 3	±2 or 4	±2.5 or 5
Max.Speed(mm/s)[5]	400	400	400
Straightness(μm)	8	10	15
Flatness(μm)	8	10	15
Yaw(arcsec)	30	40	60
Pitch(arcsec)	30	40	60

[1] FMC04-H 80kg

[2]

[3] GB/T17421-2000

[4]

[5] FMC04-H

440mm/s, 300mm/s

4

4.1

4.1.1

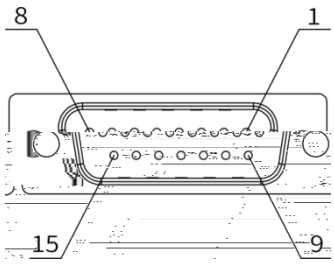
4.1.2

4.1.3

4.1.4

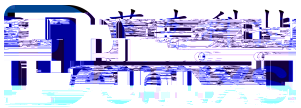
4.2

Motor wiring diagram



DB15

1	U		U
2	/		/
3	V		V
4	/		/
5	W		W
6	/		/
7	PE		
8	/	/	/
9-15	/	/	/



Encoder wiring diagram				
	1	5V+		5V
	2	0V		0V
	3	/	/	/
	4	/	/	/
	5	A+		A+
	6	A-		A-
	7	B+		B+
	8	B-		B-
	9	Z+		Z+
	10	Z-		Z-
	11	HA		HA
	12	HB		HB
	13	HC		HC
	14	/	/	/
DB26	15	/	/	/
	16	/	/	/
	17	/	/	/
	18	/	/	/
	19	/	/	/
	20	/	/	/
	21	/	/	/
	22	24V+		24V+
	23	Limit-		
	24	Limit+		
	25	24V-		24V-

4.3

Model	FMS170Z-300	FMS170Z-500	FMS170Z-1000
(°)			
/	1		
A	2.1		
A	6.3		
Ohm	8.4		
mH	37.1		
/ Nm/A-rms	48.6		
mm	30		
	0.05μm		
&	DB15 & DB26		
	2 PLM25		
V	5 to 24 V DC ±10 % Ripple P-P 10 %		
mA	15mA		
	NPN · 50 mA · 30 V 0 V · 2 V 50 mA 1 V 16 mA		
	OFF		

4.4

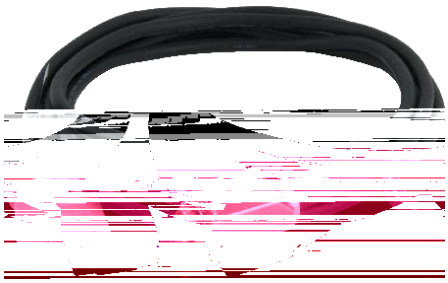
FMS170Z M6



(2.3)

4.5

FMC04

FMC04-H	
	

5

5.1

5.1.1 3 1

5.1.2

5.2

5.2.1

5.2.2

5.2.3

5.2.4

5.2.5

5.2.6

5.3

0

6

6.1

A

SICHUAN FEINIXS TECHNOLOGY CO.,LTD

: 111

:0086-28-85864663 :173 0280 5818

:610000 :info@feinixs.com

:http://www.feinixs.com