Model KEZF ACSHIM FOR DRY CUTTING

Holds Deformed or Distorted Steel Materials as They are.

The operation of sticks arranged at uniform pitches on the attractive face holds distorted or deformed workpieces as they are. The holding operation is automatically controlled from the controller through pushbutton operation.

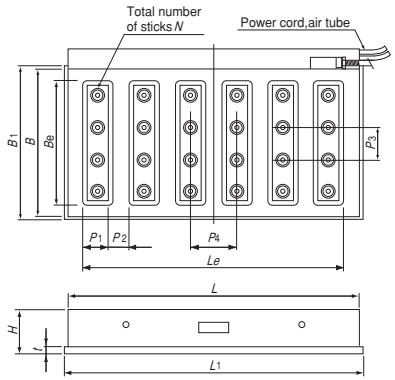
Environmentally Friendly

For Milling

Dry Specification

KEZF-4080A

Chuck controller required additionally



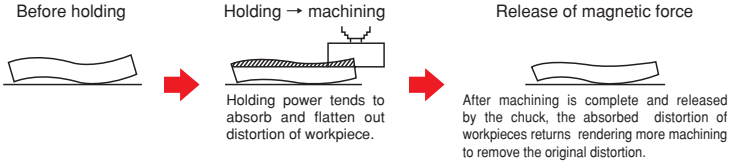
[Application]

- These chucks improve the machining accuracy in such areas as milling mold bases. Workpieces can be set in place quickly by the sticks arranged at uniform pitches.
- This chuck works for a work piece with deformation of up to 3mm.
- Ideal for milling of material thickness of 20mm or more

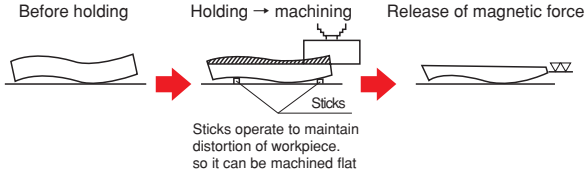
[Features]

- The grinding time in flat precision grinding can be reduced by 30% .
- The number of processes to turn over workpieces in machining can be reduced from three to four processes to two processes.
- The effect of sticks eliminates the need of skills to achieve highly precise machining.

Normal electromagnetic chuck



ACSHIM



An example of large type is shown on page 4.

[mm (in)]

Model	Nominal Dimensions	Top Plate				Pole Pitch		No.of Poles	Bottom Plate			Height	Stick Position		Total Number of Stick	Mass	Dedicated Chuck Master
		B	L	Le	L1	P1	P2		B1	L1	t1	H	P3	P4	N		
KEZF- 3060A	300 (11.8) × 600 (23.6)	300 (11.8)	600 (23.6)	514 (20.2)	248 (9.76)	62 (2.44)	48 (1.89)	5	310 (12.2)	620 (24.4)	20 (0.78)	117 (4.60)	82 (3.22)	110 (4.33)	15	140kg/ 308 lb	ES-VF205A
KEZF- 4080A	400 (15.7) × 800 (31.5)	400 (15.7)	800 (31.5)	719 (28.3)	330 (12.9)	72 (2.83)		6	410 (16.1)	820 (32.2)			87 (3.42)	127 (5.00)	24	250kg/ 551 lb	
KEZF-50100A	500 (19.6) ×1000 (39.3)	500 (19.6)	1000 (39.3)	917 (36.1)	430 (16.9)	65 (2.55)	43 (1.69)	8	510 (20.0)	1020 (40.1)	25 (0.98)	122 (4.80)	90 (3.54)	120 (4.72)	40	400kg/ 881 lb	
KEZF-60100A	600 (23.6) ×1000 (39.3)	600 (23.6)			521 (20.5)				610 (24.0)				87 (3.42)		48	480kg/1058 lb	

※The holding power is 3 kN (300 kgf) on a □50 x t25 mm S15C test piece. ※The condition of use is dry machining only. ※The power cord and air tube are 5 m.
※The sticks move up about 2 mm above the work face. ※The minimum thickness of workpieces is 15 mm.
※The machining accuracy varies according to shapes, thickness, warp, materials and machining conditions of workpieces. In particular, workpieces less than 25 mm thick need to be tested in advance.

Model ES-VF CONTROL UNIT FOR ACSHIM*

〈Control box〉 ES-VF205A

[Application]

This is a special unit equipped with such functions as supplying electric power and air to the ACSHIM and controlling its motion.

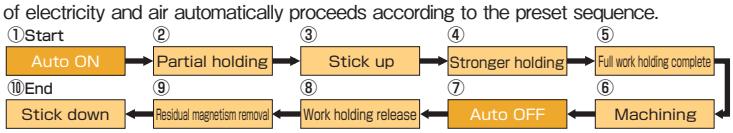
[Features]

- Either the auto mode or the normal (manual) mode can be selected.
- It is possible to adjust the stick rising pressure and the magnetic force at a weak excitation stage corresponding to that pressure according to the rigidity of workpieces in advance.

Operation Modes

Auto mode

Only by pressing the auto mode switch on the control box panel, a combined operation of electricity and air automatically proceeds according to the preset sequence.



Normal mode

Machining using only the holding power of the magnetic poles is also possible by operation from the control box panel in the normal mode.

[mm (in)]

Model	Power Source	Output		Current	Air Source	Output Air	Dimensions			Mass	Operation Box			
		Auto Mode	Normal Mode				Width	Height	Depth		Width	Height	Depth	Mass
ES-VF205A	Single-phase 200 VAC	90 VDC	0—90 VDC	5A	600kPa (6kgf/cm²)	0—600kPa	500 (100) 19.6 (3.93)	550 (21.6)	200 (7.87)	18kg/39 lb	100 (3.93)	155 (6.10)	70 (2.75)	1kg/2 lb