

# Operation Manual

## Method of use :

1. Put stop moving spindle into one of the X, Y, and Z hole, depending on the size of the processing items. Rotate the handle till it clips the workpiece.
2. Knock slightly on the handle to switch to pressure increase filling with the strength and rotate to the scale among point a, b and c as required. (See Graph B). Do not exceed scale a.

## Oil Filling(See picture A):

1. Loose the screw of the moveable jaw and take out of main screw.
2. Loose the ④ screw.(See picture A)
3. Loose the ⑤ hydraulic cylinder counterclockwise.
4. Draw the ④ spindle and fill the hydraulic oil. Insert the spindle appended with the guaranty first and draw it out. Then insert ④ spindle. This is complete that filled the oil. Finally put them in sequence.

## Attention :

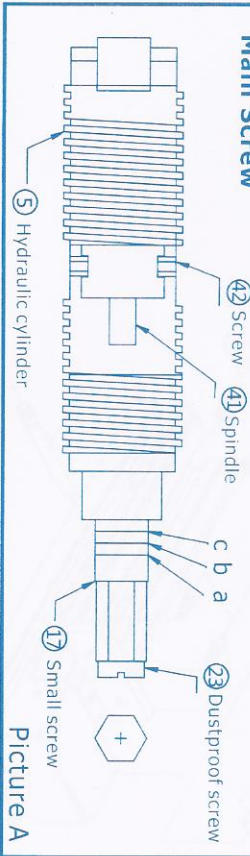
1. Please do not open the jaw exceeded clamping range (See Graph A).
2. If open the jaw exceeded clamping range (See picture A)
  - (1) Loose the ③ dustproof screw.
  - (2) Tight the change screw which appended with the guaranty.
  - (3) Circle around the ④ small screw five times in clockwise.
  - (4) Then, put the ③ dustproof screw replace the change screw.
3. When use the hydraulic system, please do not exceed point a. (See picture A)

Graph A

	X	Y	Z
MHA-100	0-85	85-170	
MHA-150	0-90	90-180	180-270
MHA-200	0-100	100-200	200-300

Unit : mm

## Main Screw



Picture A

Graph B

Specifications	MHA-100	MHA-150A	MHA-200
a Scale Line	2500kgf	5000kgf	7000kgf
b Scale Line	1500kgf	3000kgf	5000kgf
c Scale Line			2500kgf

## MC HYDRAULIC ANGLE LOCK VISE (Built - In Type)

