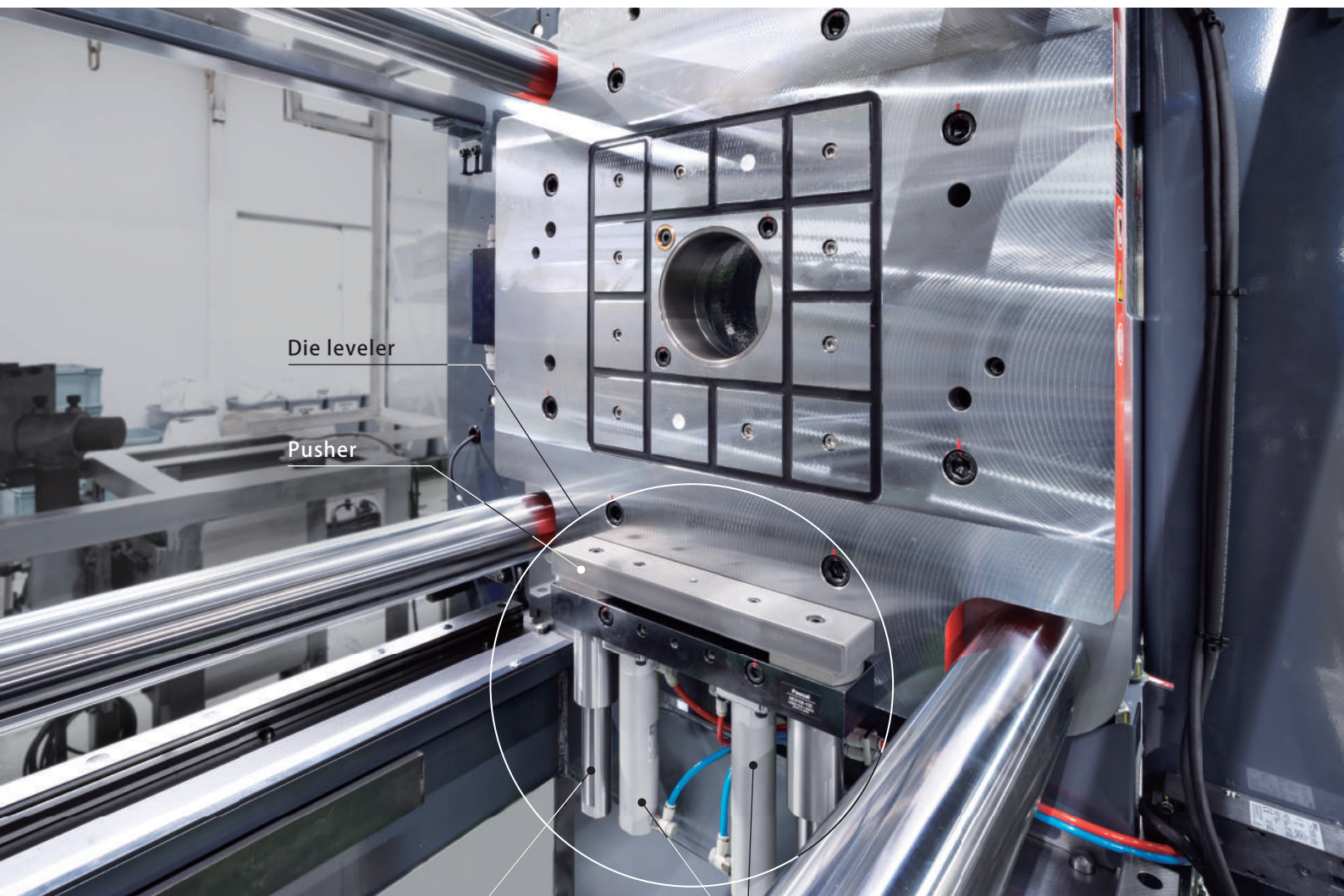


# Die leveler



Die leveler

Pusher

Guide

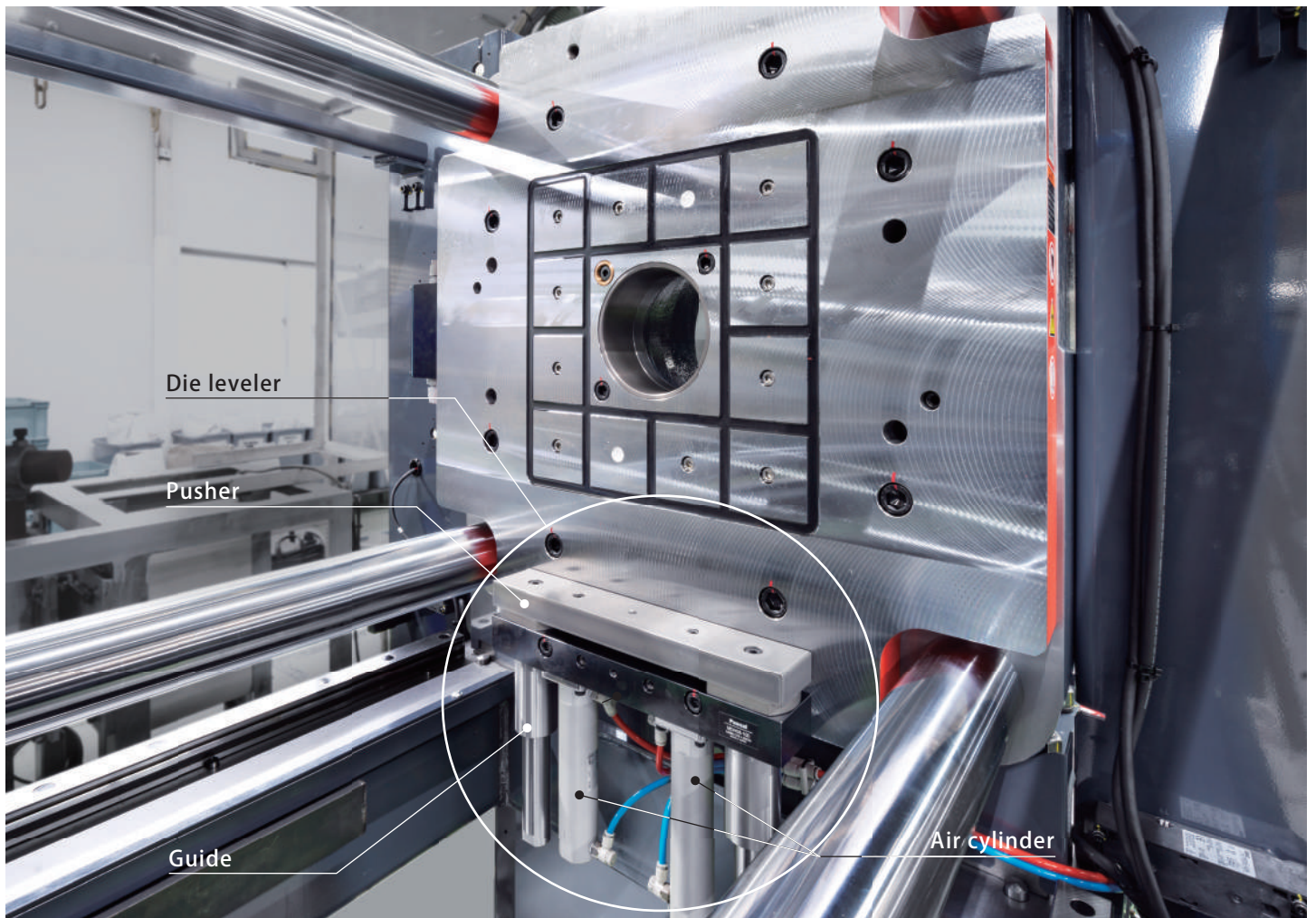
Air cylinder

**Pascal**  
[www.pascaleng.co.jp](http://www.pascaleng.co.jp)

Mold weight  
up to  
**2.5 ton**

## Easy and quick mold leveling by the die leveler

The die leveler makes leveling the mold after positioning easy. Troublesome inching operation of the over head crane is not required.



1,000kN (100ton) IMM Die leveler & Mag clamp

Model designation

**MDH** 04 – 100 A

- 2 Max mold weight •.....
  - 3 Stroke ※Indicated in 3 digits •.....
  - 1 Mounting style
- : Standard  
A : For retrofit

Model		MDH04	MDH08	MDH12	MDH25
Max mold weight	kg	400	800	1200	2500
Positioning repeatability	mm/m	Within ± 0.2			
Driver		Air			
Max. air pressure	MPa	0.4			

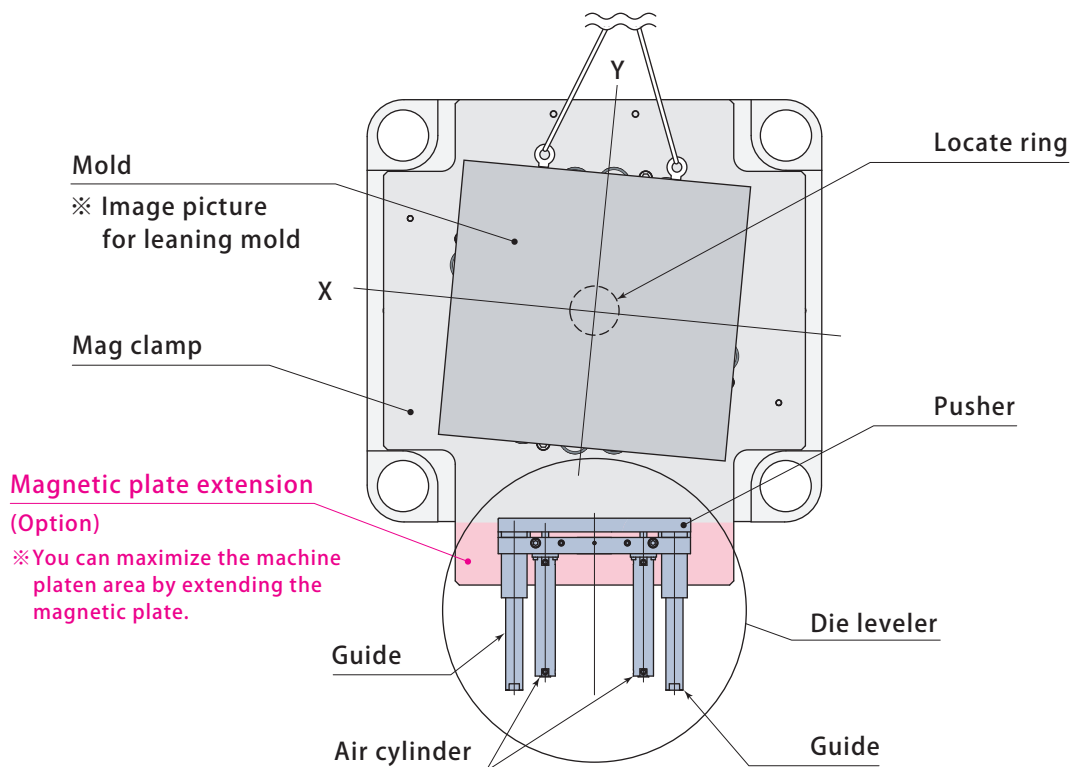
- Max mold weight is the reference value for leveling the mold, not guaranteed.
- There is a risk of damage or wear of guide when air supply pressure exceeds maximum value.
- Adjust the speed controller to have the operating speed of left and right air cylinder the same.
- Adjust the operating speed at 20mm/s or slower.

Model	<span style="border: 1px solid black; padding: 2px;">1</span> Mounting style	<span style="border: 1px solid black; padding: 2px;">2</span> Max mold weight kg	<span style="border: 1px solid black; padding: 2px;">3</span> Stroke mm	Weight kg						
MDH04-075	Standard	400	075	7.0						
MDH04-075A	For retrofit		400	100	7.2					
MDH04-100	Standard			400	150	7.8				
MDH04-100A	For retrofit				400	200	8.3			
MDH04-150	Standard					400	100	12.2		
MDH04-150A	For retrofit						400	150	13.0	
MDH04-200	Standard							400	200	13.7
MDH04-200A	For retrofit								400	250
MDH08-100	Standard	800								150
MDH08-100A	For retrofit		800							200
MDH08-150	Standard			800						250
MDH08-150A	For retrofit				800					300
MDH08-200	Standard					800				200
MDH08-200A	For retrofit						800			250
MDH08-250	Standard							800		300
MDH08-250A	For retrofit								800	350
MDH12-150	Standard	1200								200
MDH12-150A	For retrofit		1200							250
MDH12-200	Standard			1200						300
MDH12-200A	For retrofit				1200					350
MDH12-250	Standard					1200				200
MDH12-250A	For retrofit						1200			250
MDH12-300	Standard							1200		300
MDH12-300A	For retrofit								1200	350
MDH25-200	Standard	2500								200
MDH25-200A	For retrofit		2500							250
MDH25-250	Standard			2500						300
MDH25-250A	For retrofit				2500					350
MDH25-300	Standard					2500				200
MDH25-300A	For retrofit						2500			250
MDH25-350	Standard							2500		300
MDH25-350A	For retrofit								2500	350

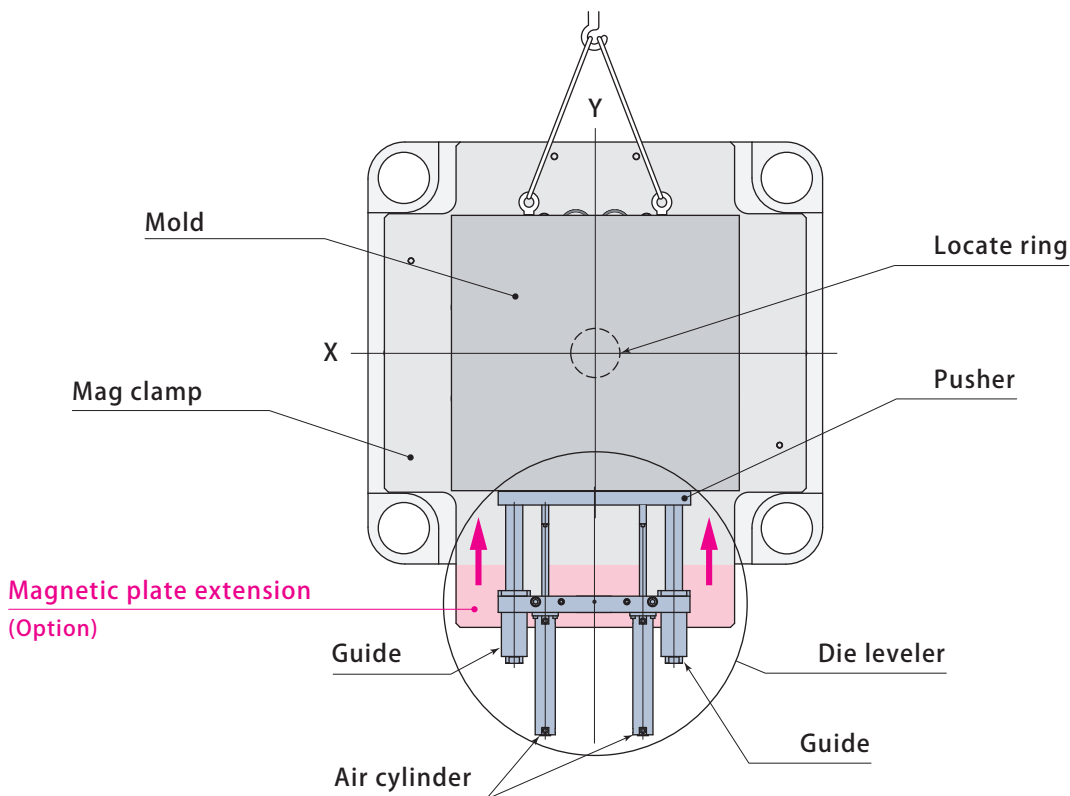


### Introuduction example with Mag clamp

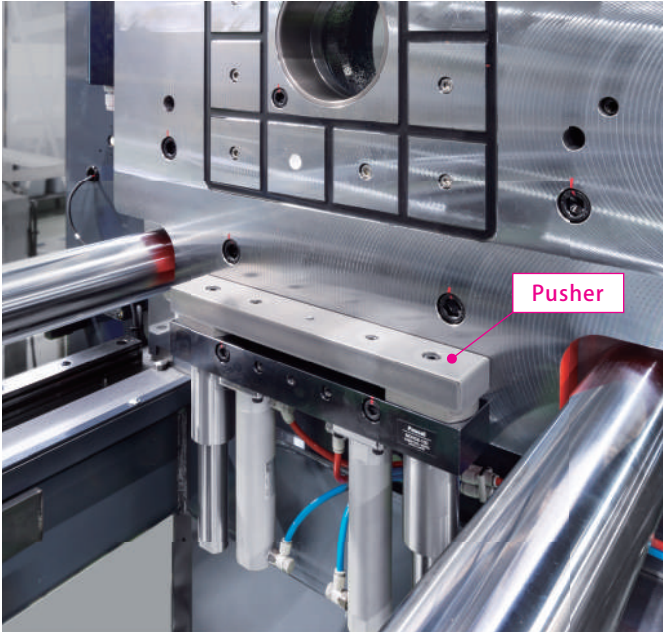
Die lever lowered (Waiting position)



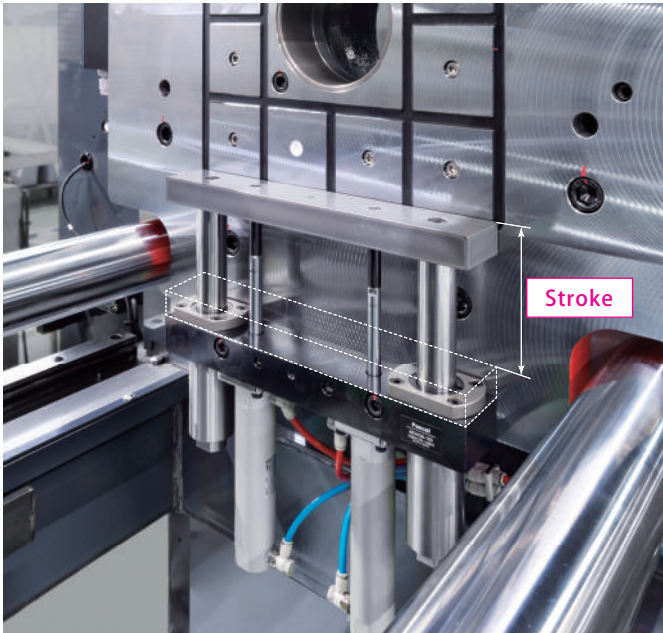
Die leveler raised and mold leveled



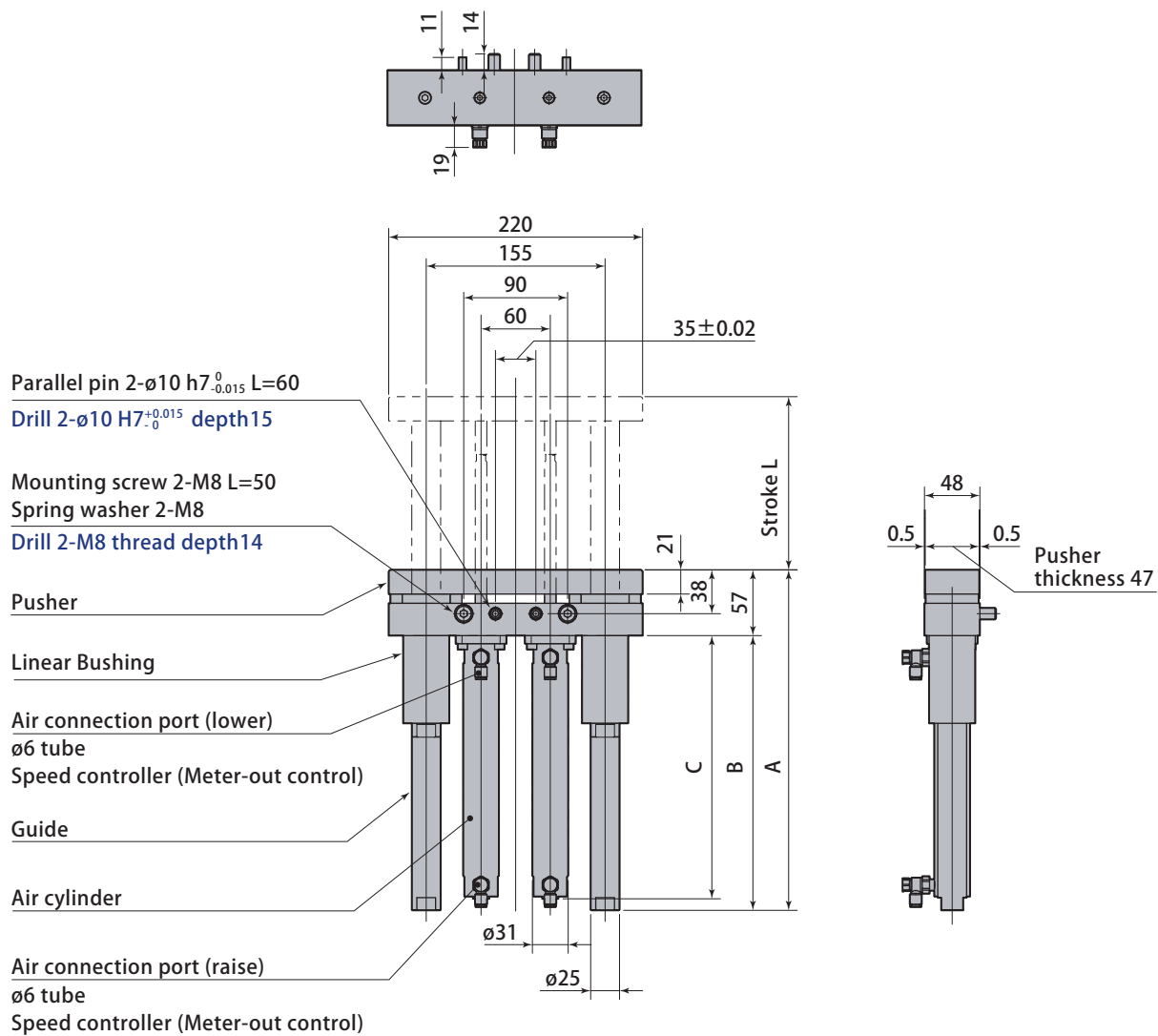
Die lever lowered



Die leveler raise



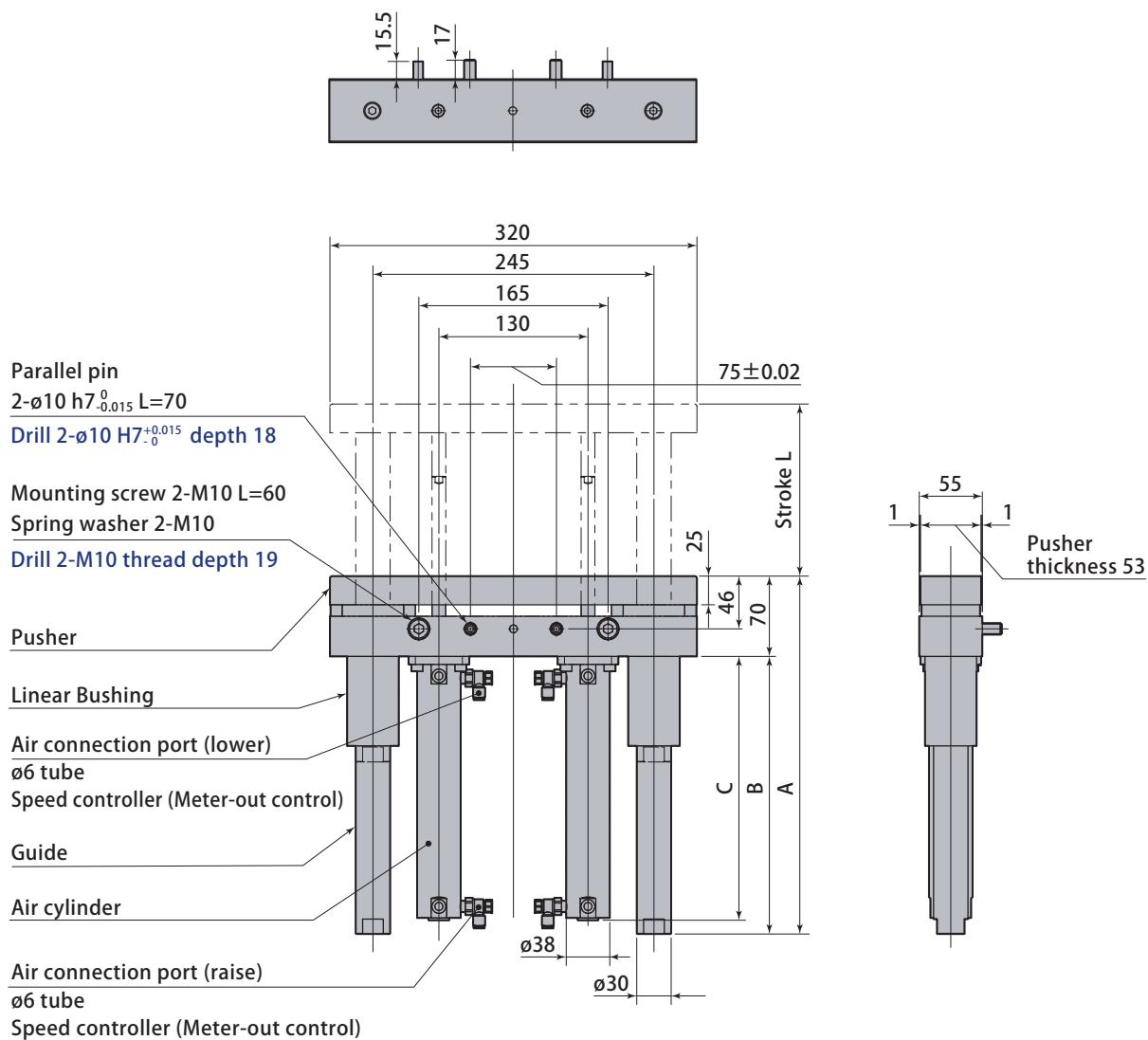
Outer dimensions



Model	L	A	B	C
MDH04-075	75	220	163	153
MDH04-100	100	245	188	178
MDH04-150	150	295	238	228
MDH04-200	200	345	288	278

mm

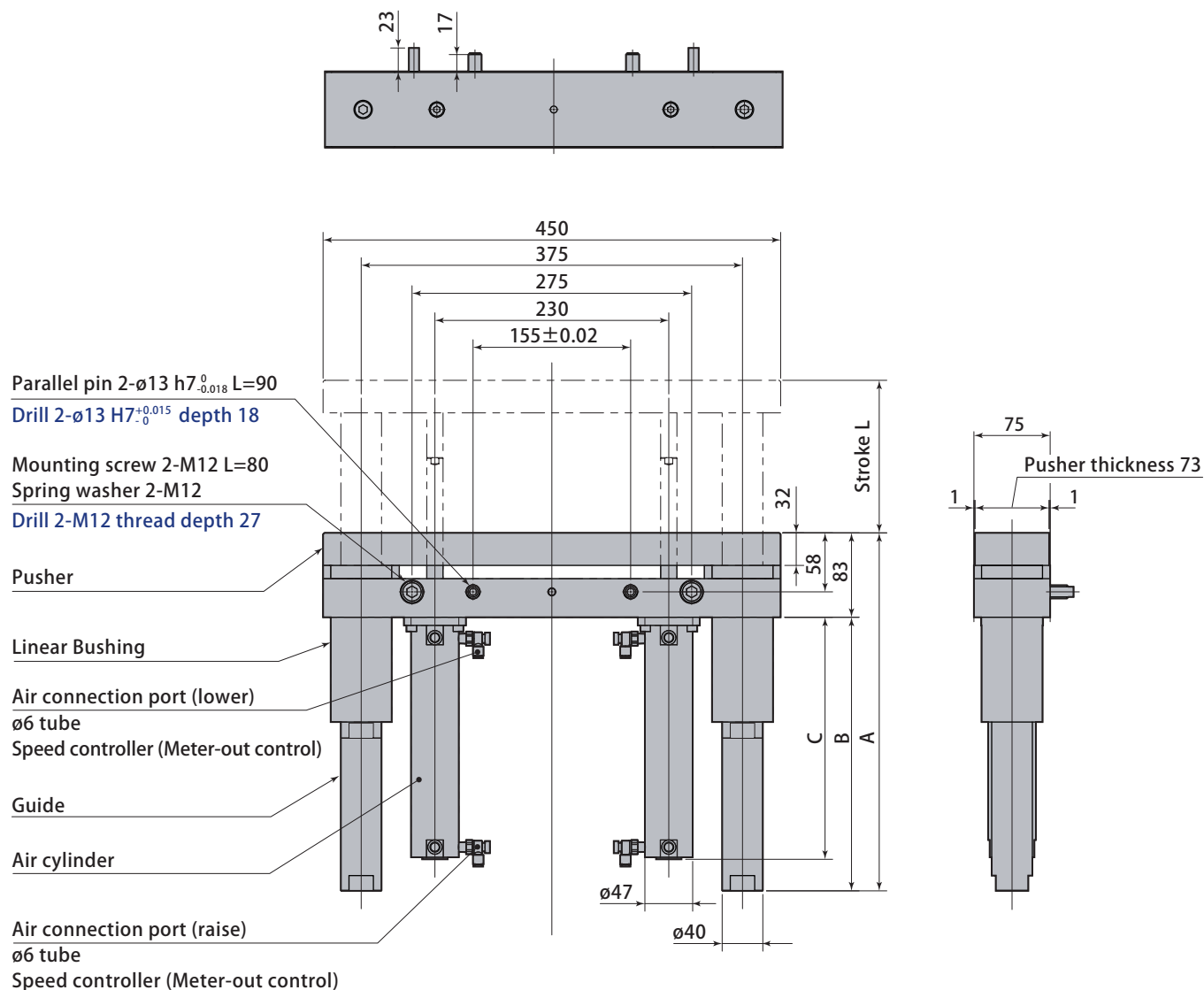
Outer dimensions



Model	L	A	B	C
MDH08-100	100	262	192	180
MDH08-150	150	312	242	230
MDH08-200	200	362	292	280
MDH08-250	250	412	342	330

mm

Outer dimensions

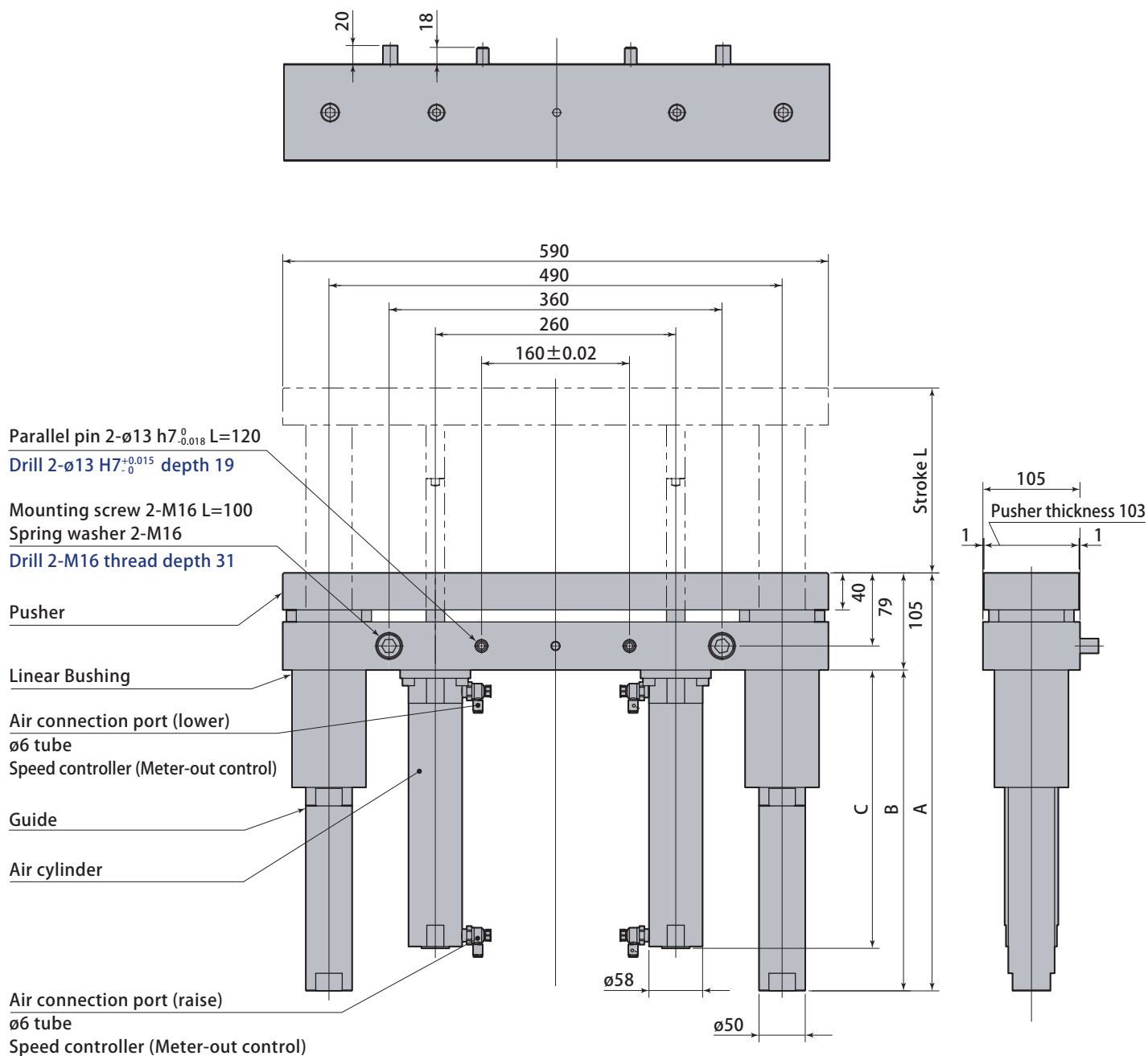


Model	L	A	B	C
MDH12-150	150	352	269	238
MDH12-200	200	402	319	288
MDH12-250	250	452	369	338
MDH12-300	300	502	419	388

mm



Outer dimensions



Model	L	A	B	C
MDH25-200	200	452	347	301
MDH25-250	250	502	397	351
MDH25-300	300	552	447	401
MDH25-350	350	602	497	463

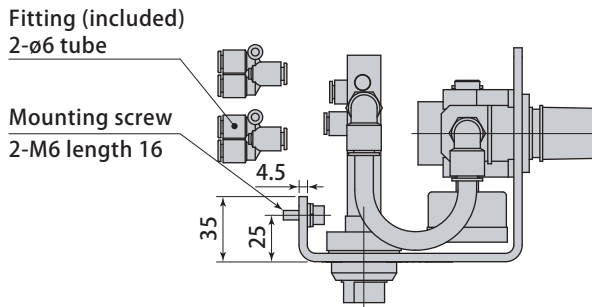
mm

Model designation

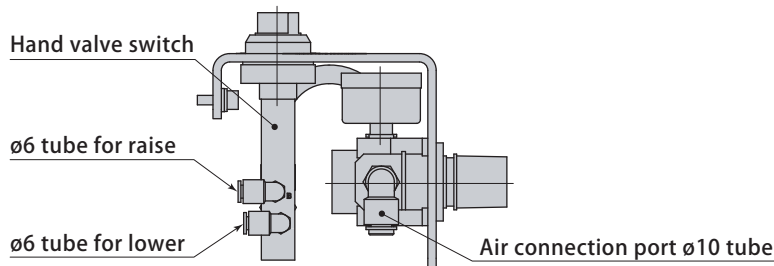
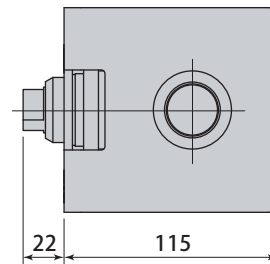
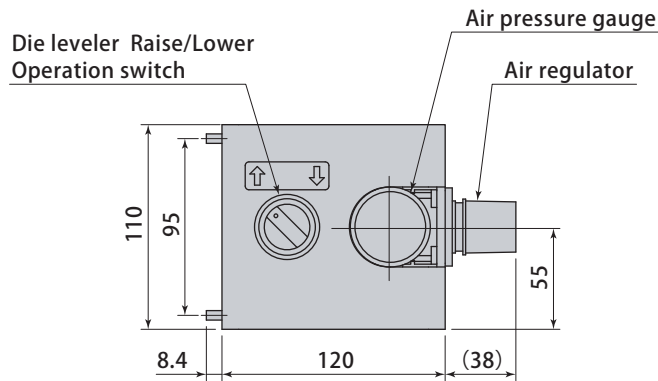
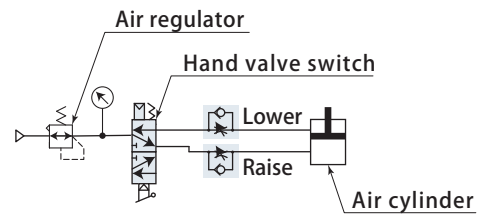
**MDH-BKT**



Weight	kg	1.8
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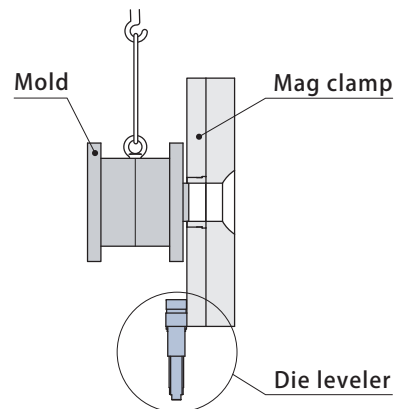
Pneumatic circuit





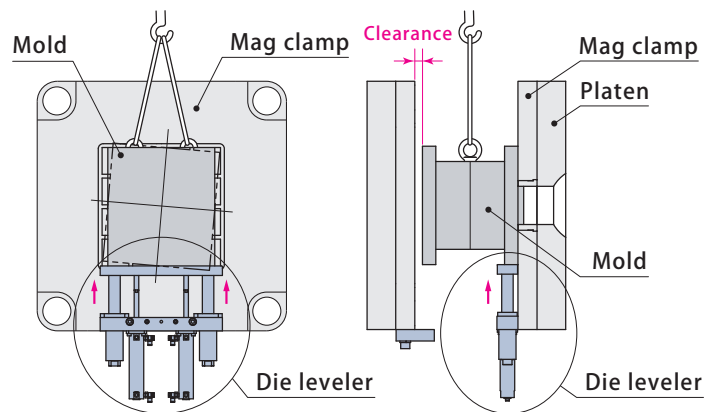
### Operational procedure

- 1 Load a mold in the machine and position it with the locator ring

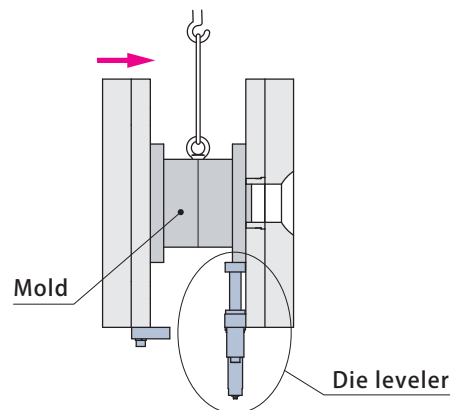


- 2 Raise the die leveler to the mold

\* Provide a clearance between the mold and machine platen.

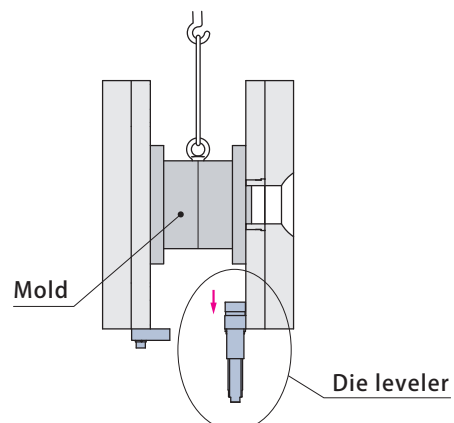


- 3 Close the mold to fix by machine platen



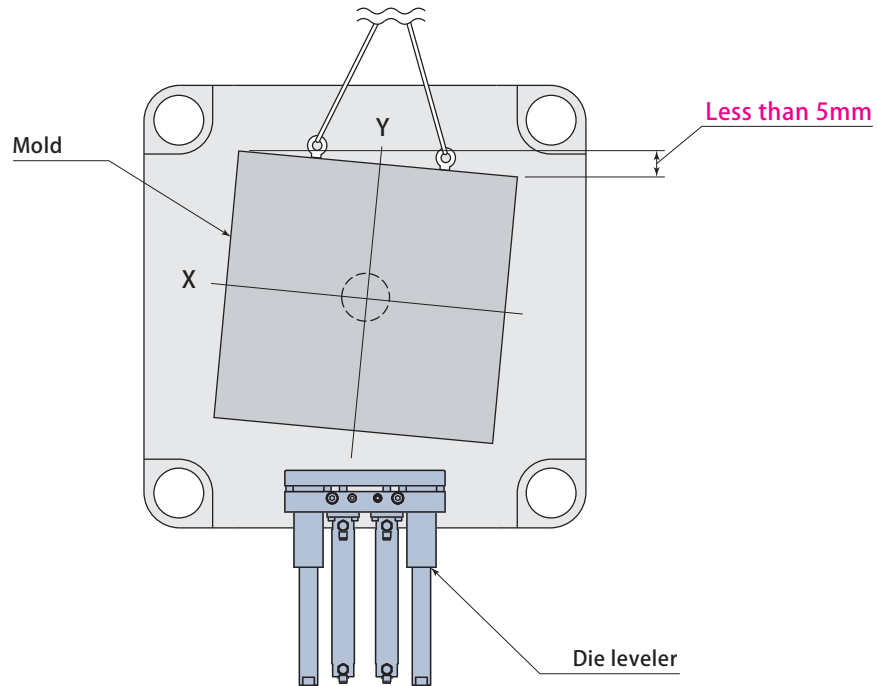
- 4 Lower the die leveler and mold leveling is complete

\* Do not run the machine for production with the die leveler raised.

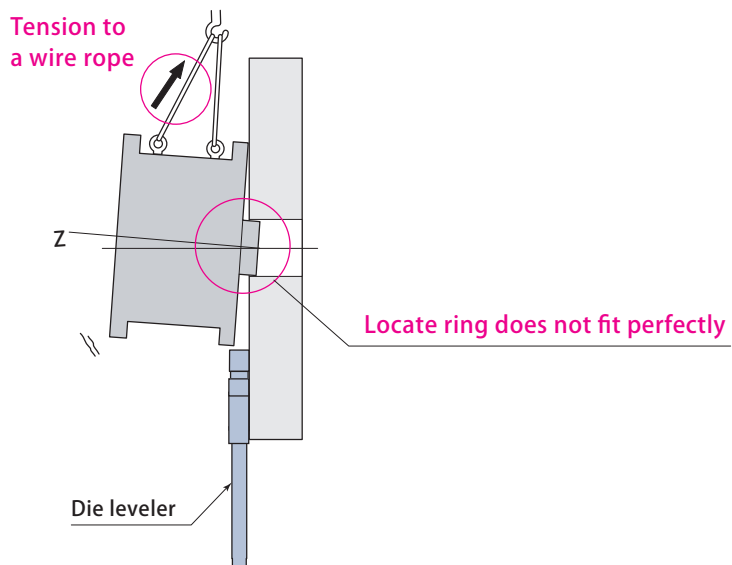


When loading the mold on the die leveler...

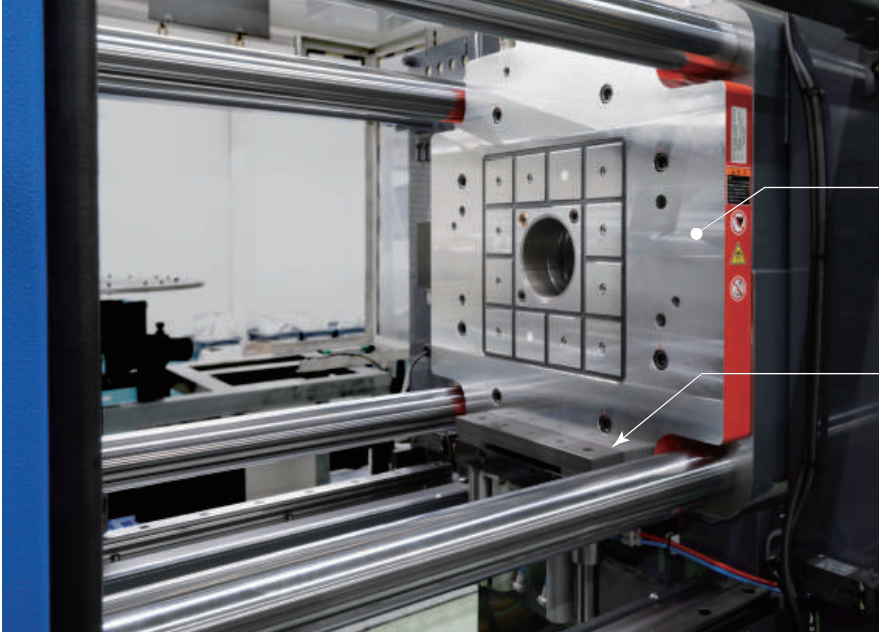
Crane the mold to keep horizontally as much as possible. Max difference must be 5mm or less.



If the mold is tilted significantly or excessive tension is applied to the wire rope of the crane, the pusher's pushing force may not be sufficient and leveling may not be possible.







Mag clamp

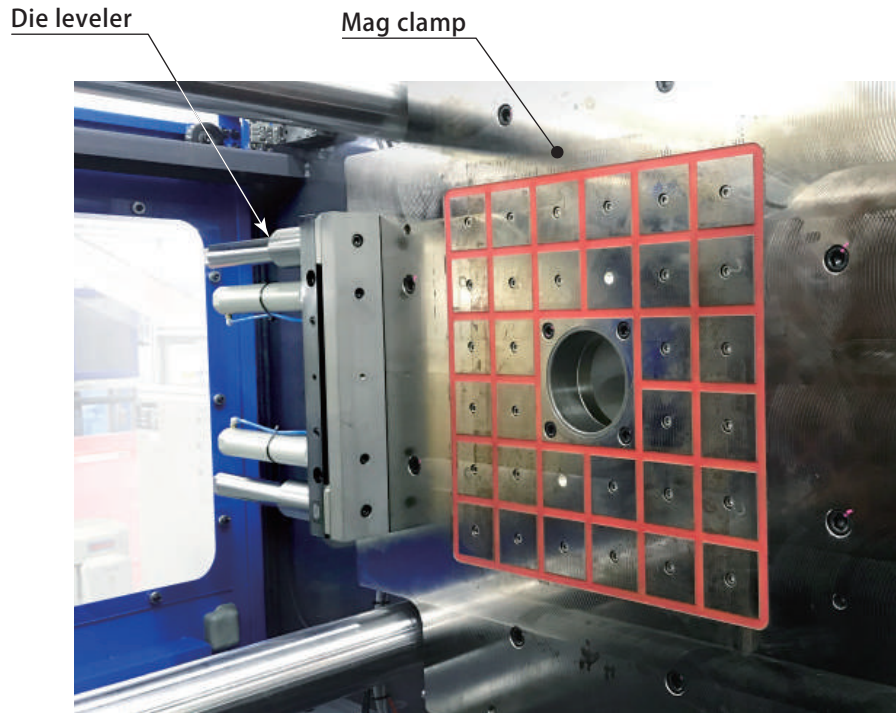
Die leveler

1,000kN (100ton) IMM Die leveler & Mag clamp

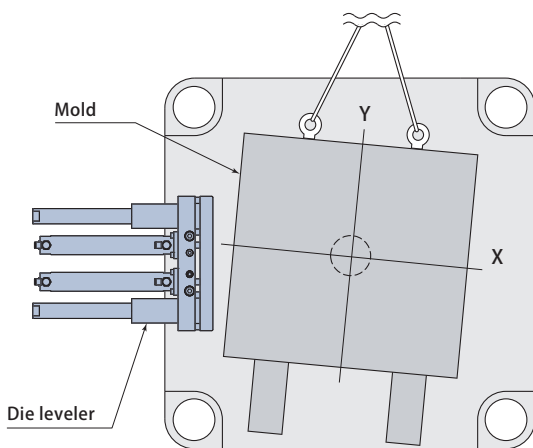


Die leveler

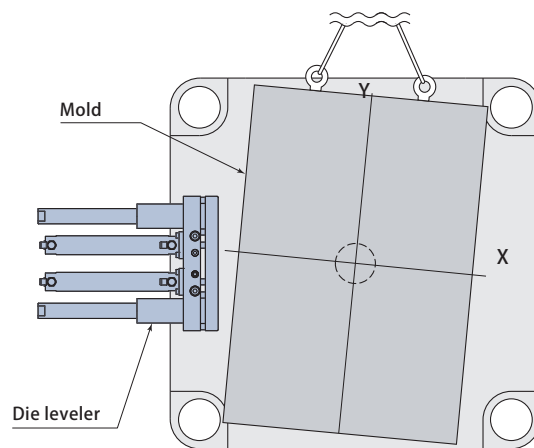
2,800kN (280ton) Two-color IMM Die leveler



2,500kN (250ton) IMM Die leveler & Mag clamp



For a mold that has some spacers at the bottom



For the case that there are no space for mounting the die lever

# Pascal

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