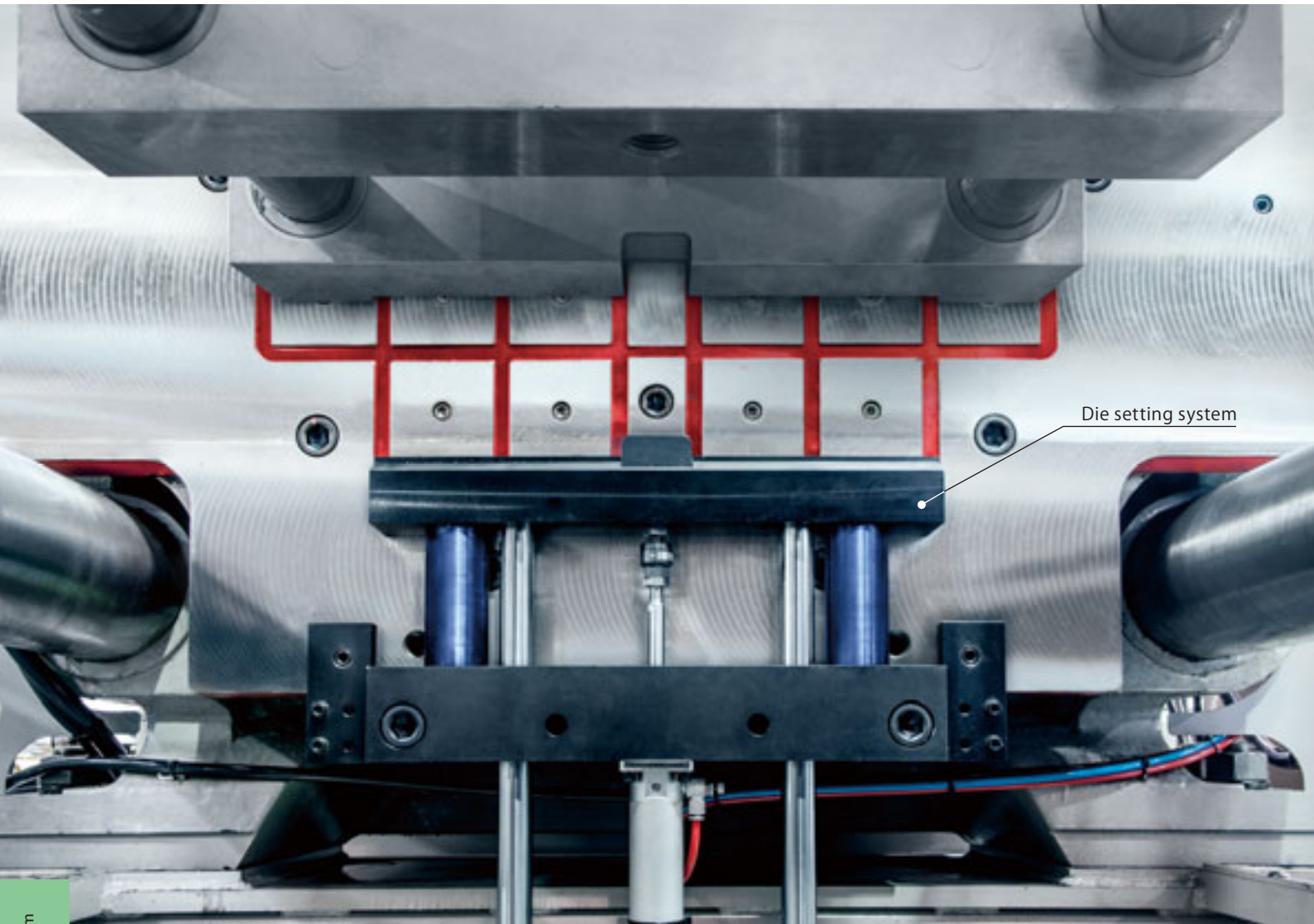


### New proposal in place of conventional locate ring

Introducing a Die setter, the horizontal and vertical positioning can be determined surely and easily by placing a mold on a Die setter and it improves the productivity and set up.



Die setting system

3,500kN (350ton) IMM vertical loading Die setting system & Mag clamp

Die setter operation panel



Die setter operation panel

The lift of Die set block is operated. It is mountable near the IMM control panel with L type bracket.

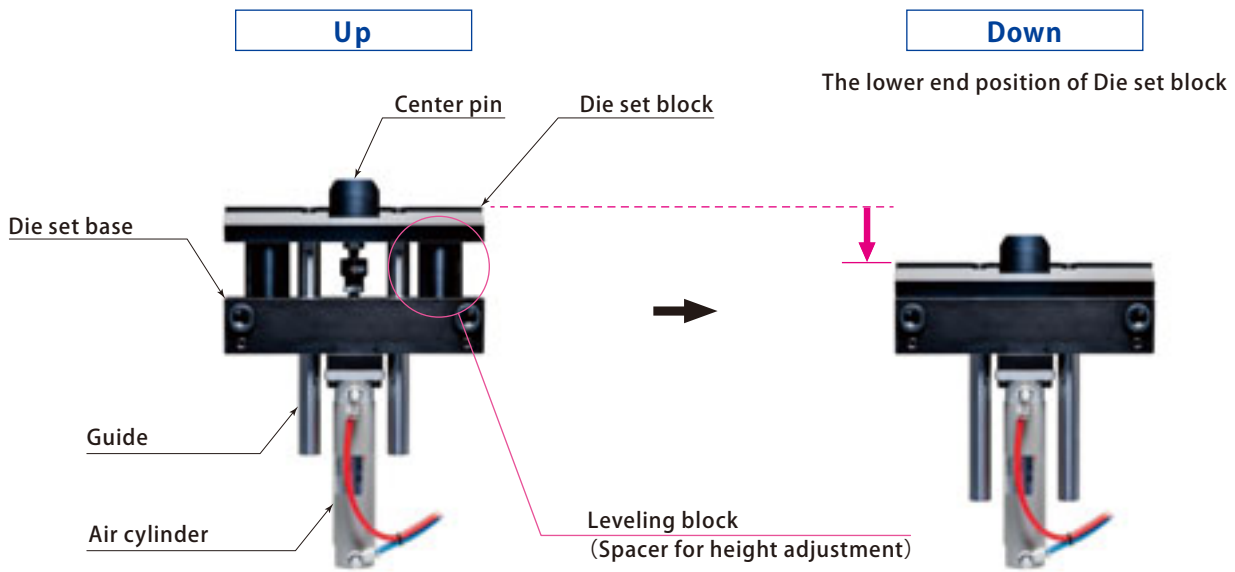
Die setter & Clamp operation panel



Clamp operation button  
Die setter operation button

There is also a model integrated with clamp and die setter.

Contact Pascal for details.



**Leveling block**

Positioning by putting leveling block between a die set block and die set base.



Model designation

MDL 01 A

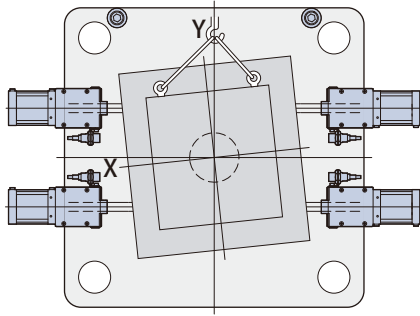
- 1 Die setter block type
  - A : Fixed side (with center pin)
  - B : Movable side (without center pin)
- 2 Mold weight

| Model       |                   | MDL01                                | MDL03      | MDL04      | MDL06      | MDL10      | MDL15      |              |
|-------------|-------------------|--------------------------------------|------------|------------|------------|------------|------------|--------------|
| 2           | Mold weight       | kg                                   | 1000       | 3000       | 4000       | 6000       | 10000      | 15000        |
| Applied IMM | Clamping force    | kN (ton)                             | 1000 (100) | 2300 (230) | 3500 (350) | 6500 (650) | 8500 (850) | 10500 (1050) |
|             | Loading direction | Vertical loading, Horizontal loading |            |            |            |            |            |              |

● 1set of Leveling block is attached.

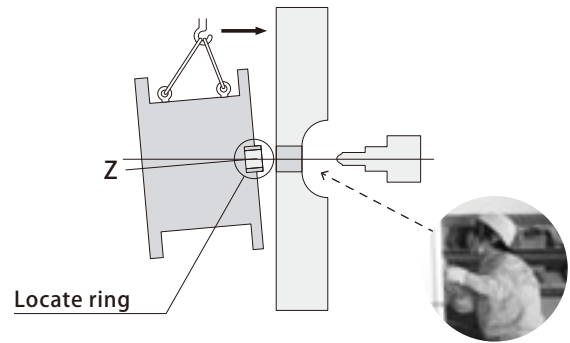
Die setting with locate ring

Mold center (X,Y) is not stable.



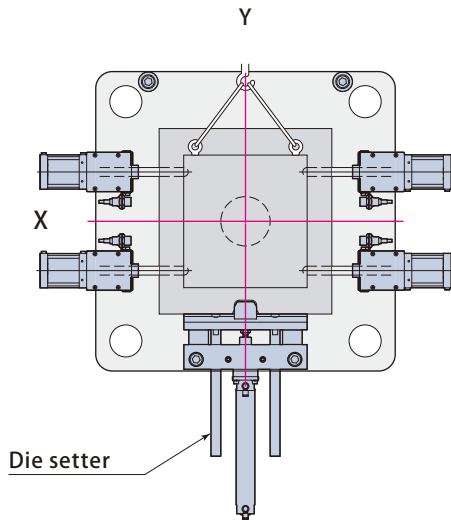
Hard to load the mold

( Visual confirmation from back side of platen (nozzle side) due to the shape of locate ring/Risk of damage of platen or mold when mold loading )

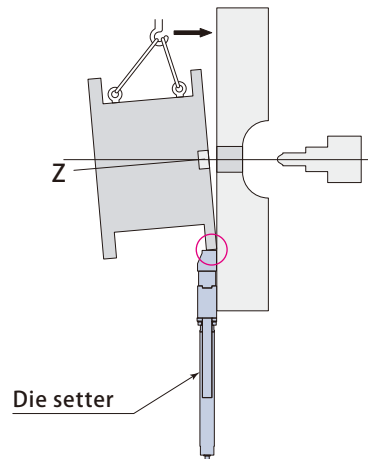


Die setting with die setter

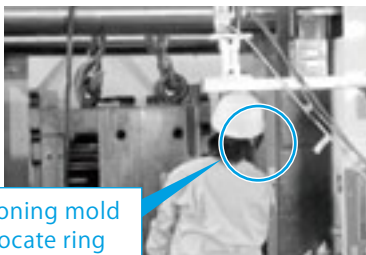
Mold center (X,Y) is quickly secured.



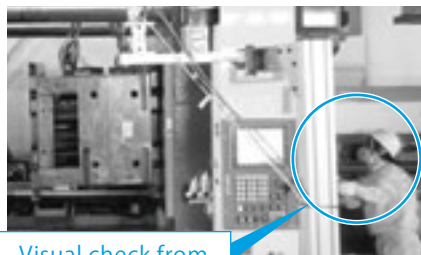
By placing the mold on the die setter, die setting is easy.



Die setting system MDL



Positioning mold with locate ring :Unnecessary

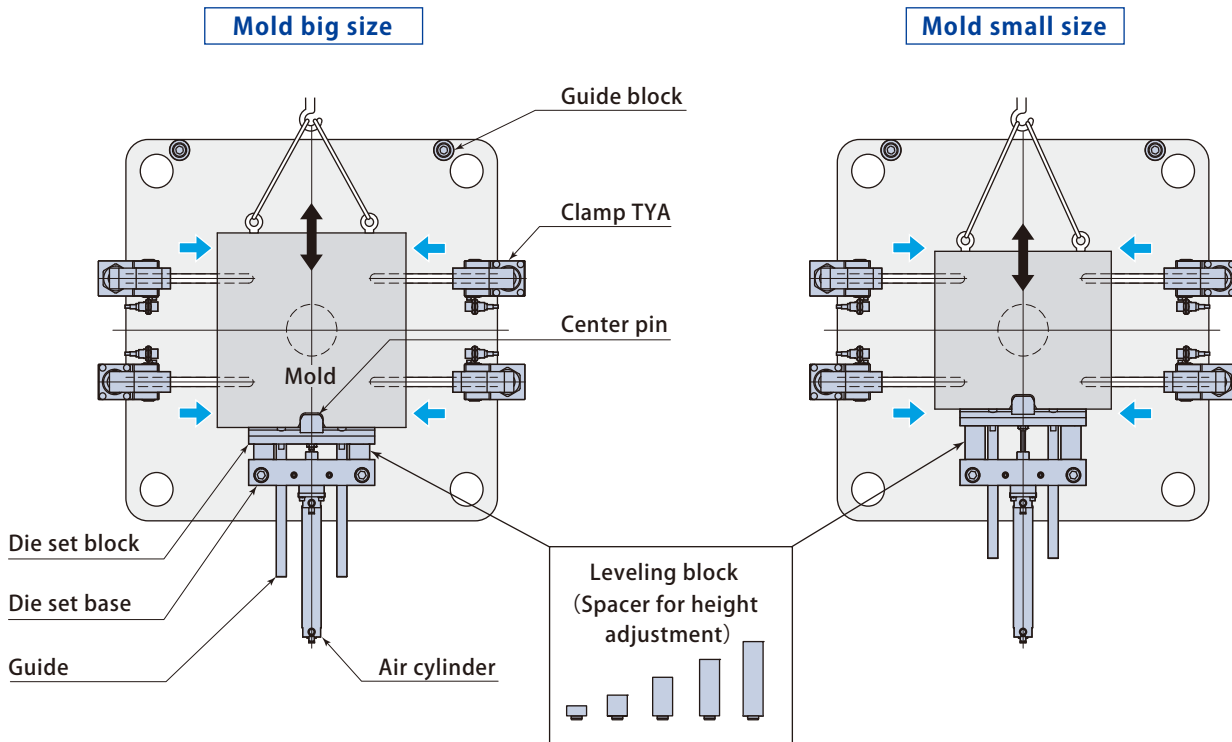


Visual check from injection unit side :Unnecessary

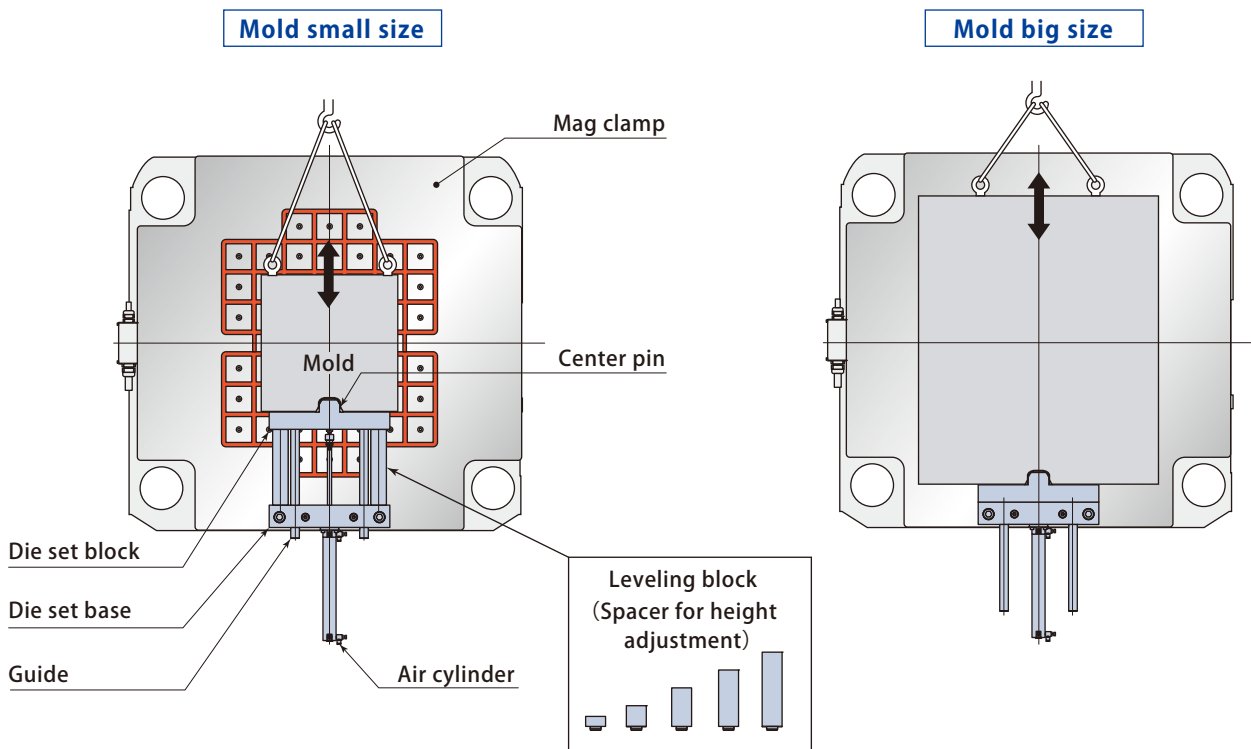


Mold leveling :Unnecessary

Die setting system & Automatic clamp (vertical loading)

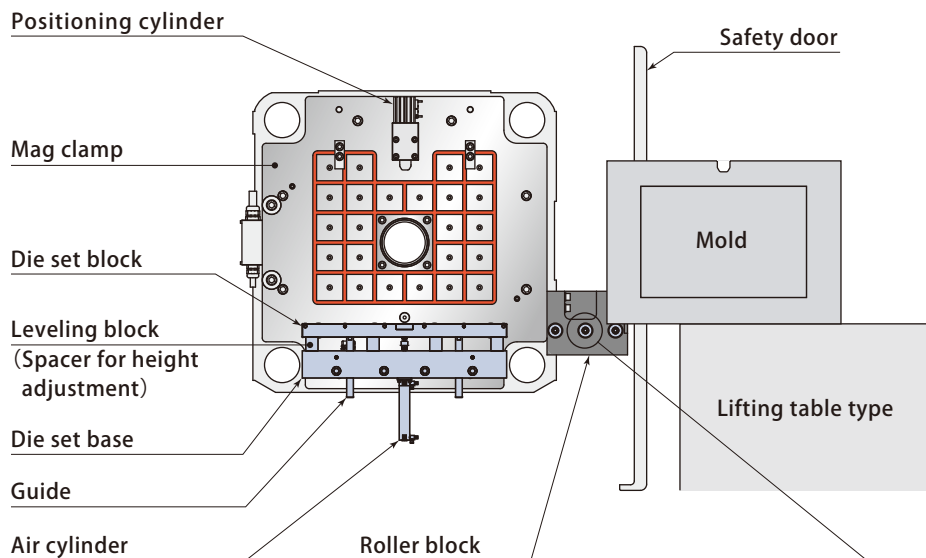


Die setting system & Mag clamp (vertical loading)

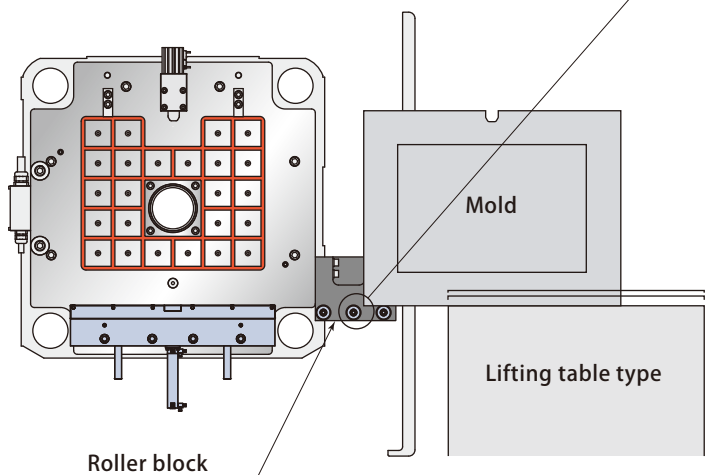


Die setting roller & Mag clamp (horizontal loading)

Mold small size

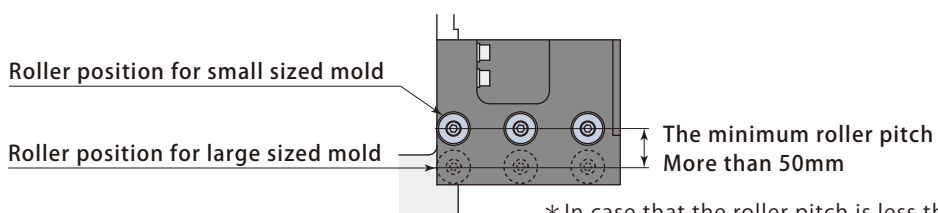


Mold big size



No modification is required on mold.  
The roller just needs to be replaced according to the transport level.

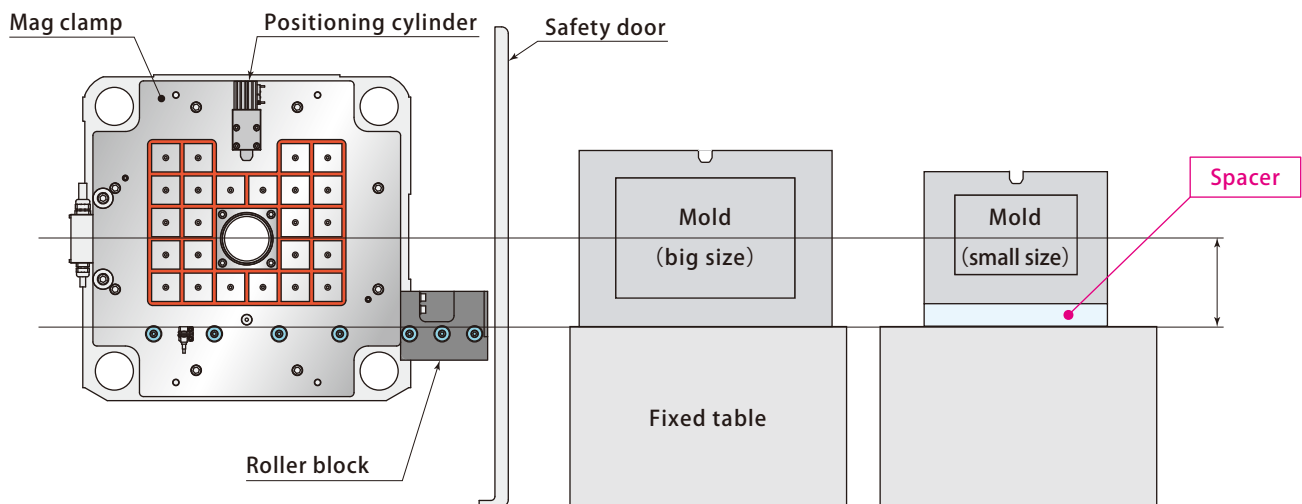
Exchange of roller block transport level



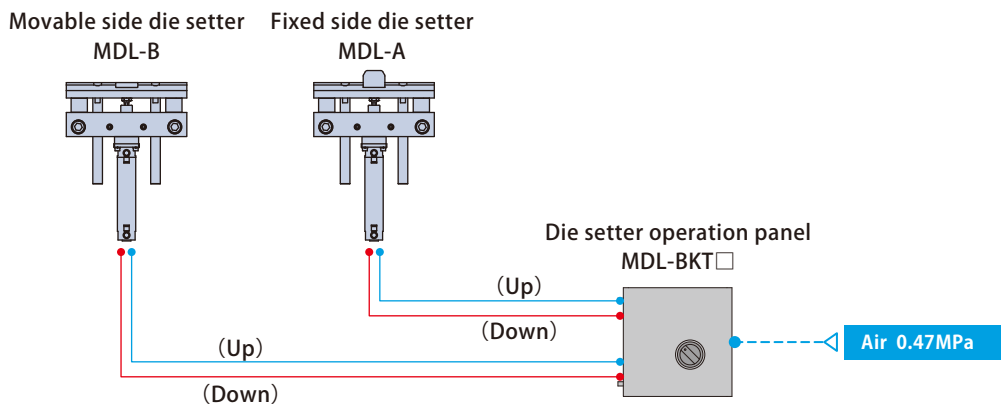
\* In case that the roller pitch is less than 50mm, contact Pascal for details.

### In case of the standard horizontal mag clamp system

The **spacer should be attached** to the mold to match the transport level.

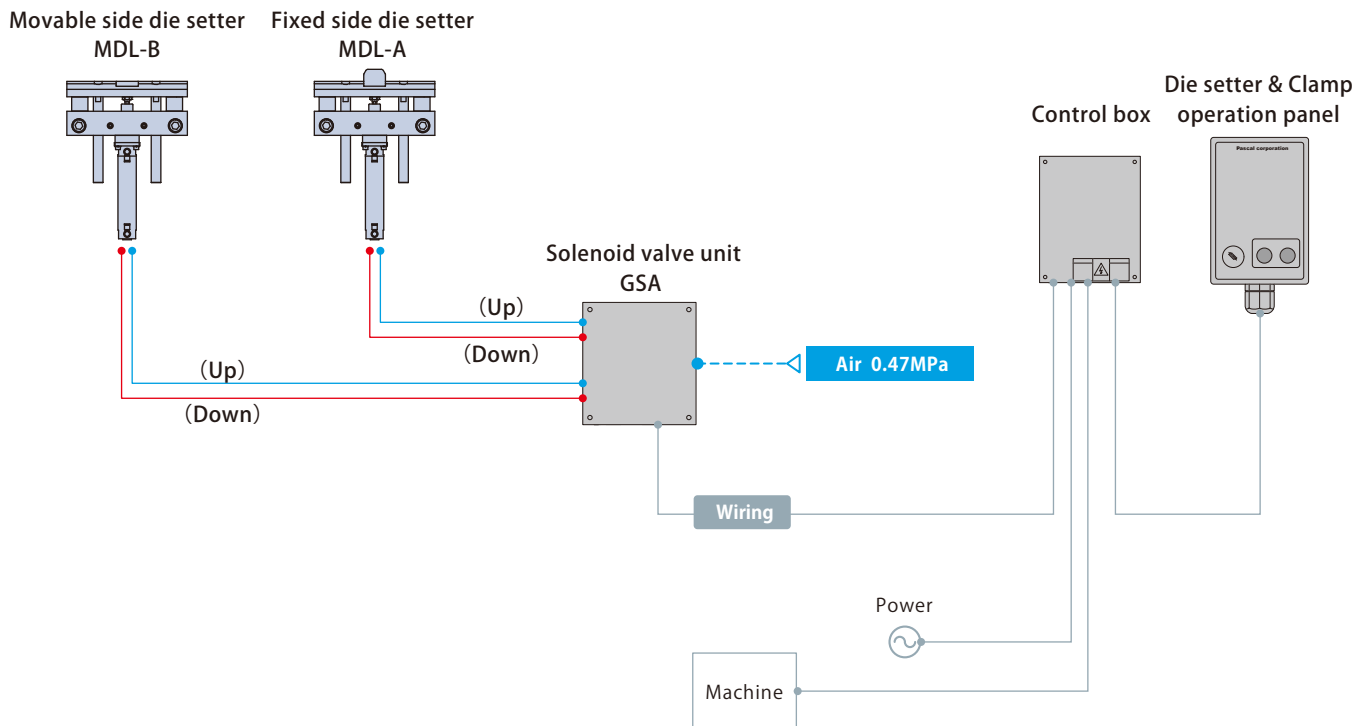


Die setter operation panel is used (in case it is controlled with hand valve)



Die setter and clamp operation panel is used (in case it is incorporated in the control device)

It does not correspond to some clamps. Contact Pascal for details.



Die setting system MDL circuit



Hand valve

Model designation

**MDL – BKT 01**

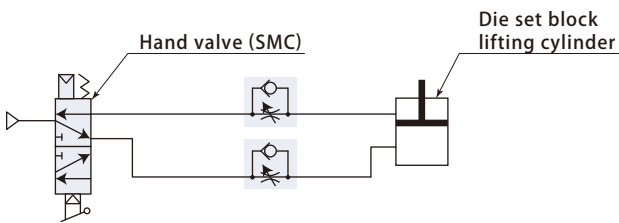
1 Number of circuits

**01** : 1 circuit (Only fixed side)

**02** : 2 circuits (Fixed side & Movable side)

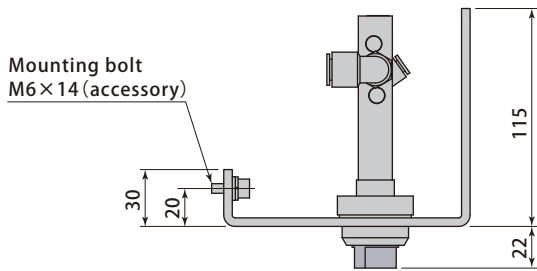
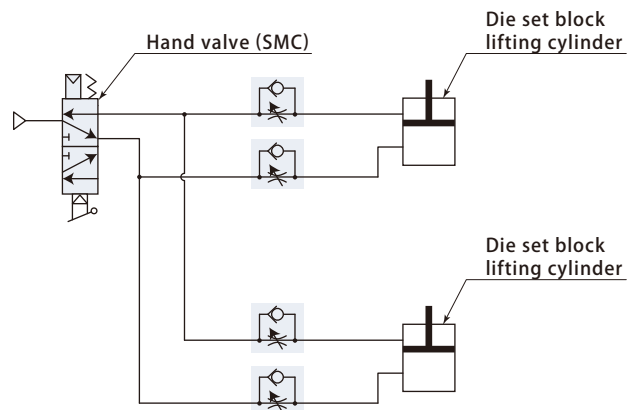
**MDL – BKT 01**

Pneumatic circuit



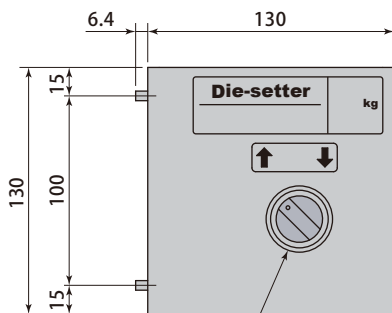
**MDL – BKT 02**

Pneumatic circuit



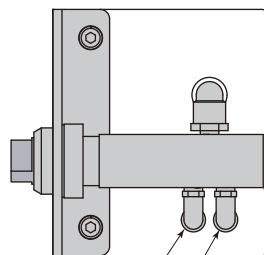
Mounting bolt M6×14 (accessory)

| Model  | MDL-BKT01 | MDL-BKT02 |
|--------|-----------|-----------|
| Weight | kg        | 1.5       |

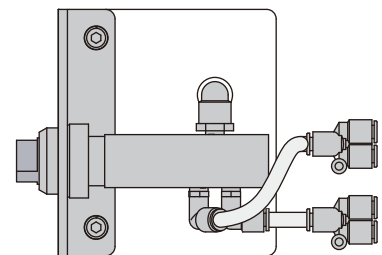


Die setter block up/down switch

**MDL-BKT01**



**MDL-BKT02**



Upward port to speed controller  
Downward port to speed controller

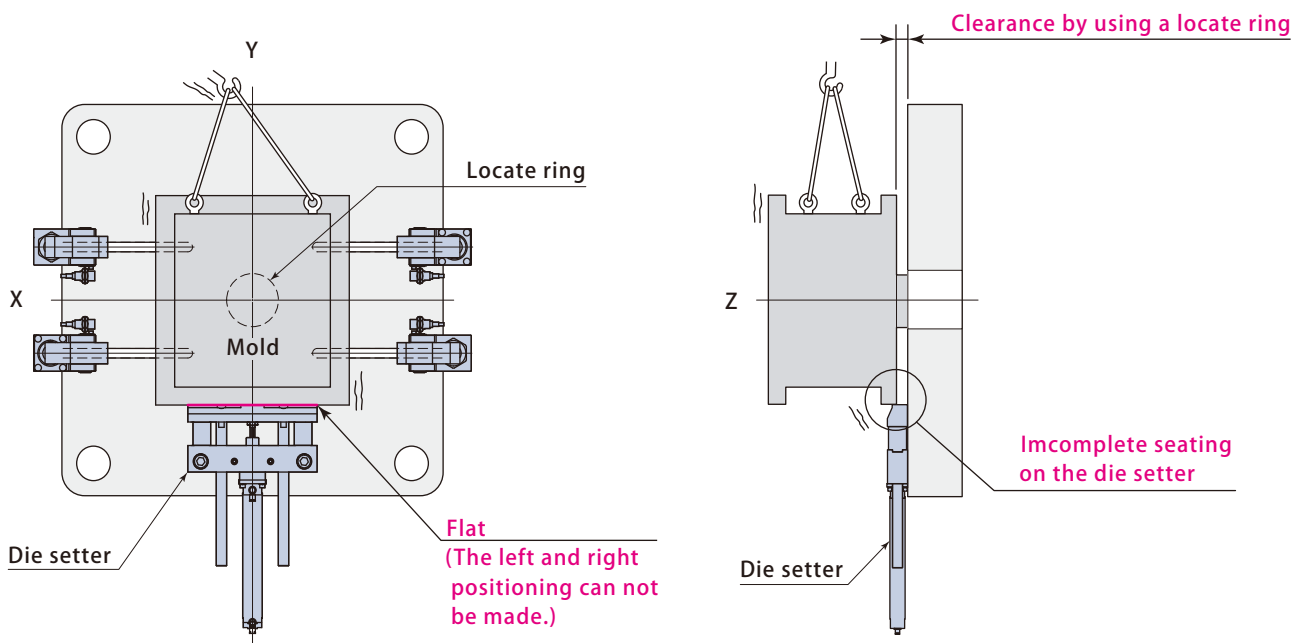
Hand valve (SMC)



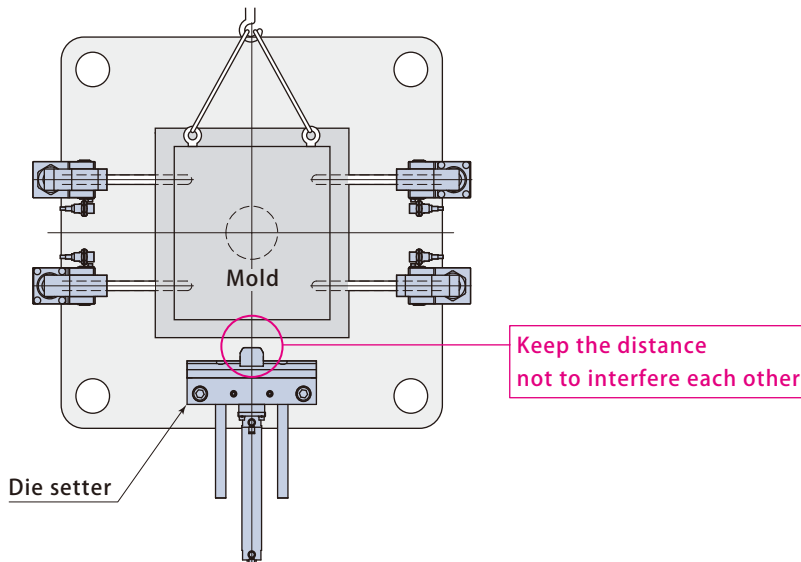
Do not use the locate ring and the die setter with center pin removed at the same time simply because there is no cutout on the mold for the center pin.

**✗ Danger**

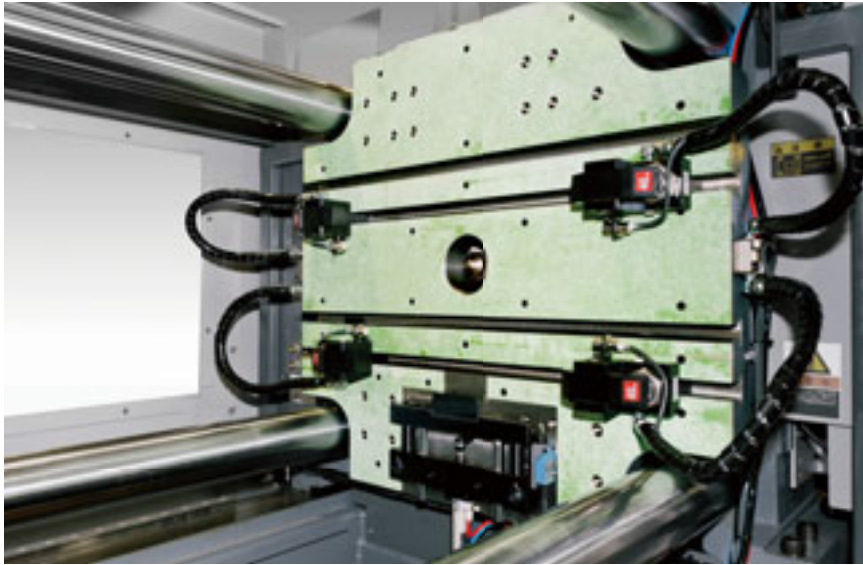
- The right and left(X) positioning can not be made by simply placing the mold on die setter.
- There is a risk of sudden movement of the mold when it starts skidding on the die setter.
- When the mold leans to one side, the die setter may incline due to the uneven load.



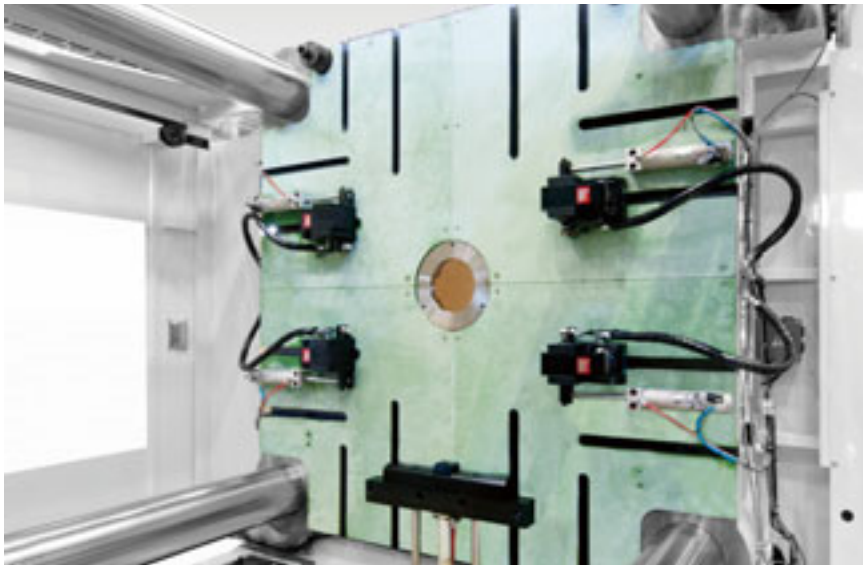
In case of using die setter for the mold with no U-cut, keep it out of the range of the mould mount area in advance not to interfere each other.



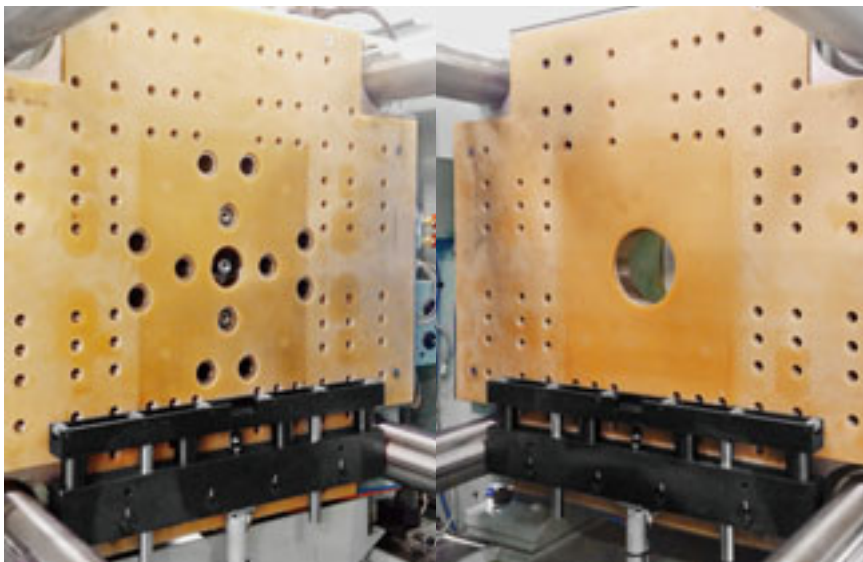




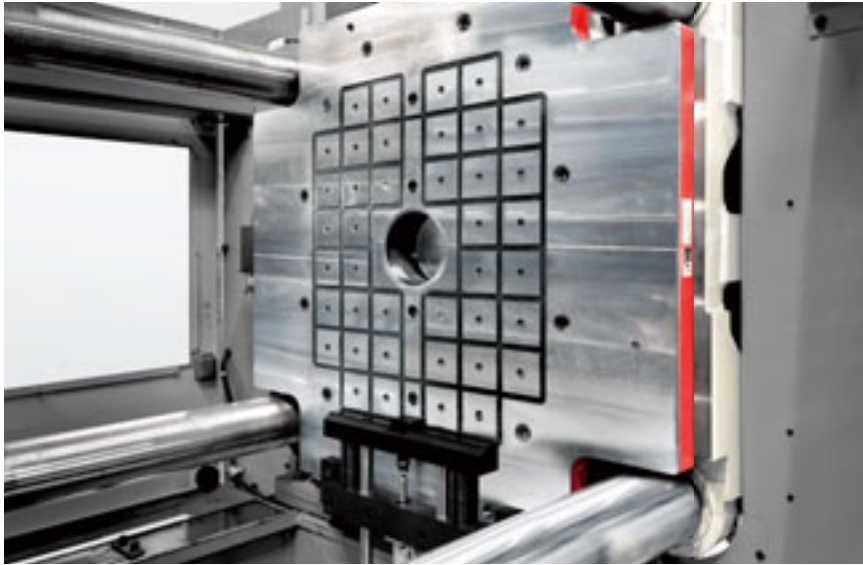
1,800kN (180ton) IMM vertical loading Die setting system & Hydraulic clamp, slidable type TYA040



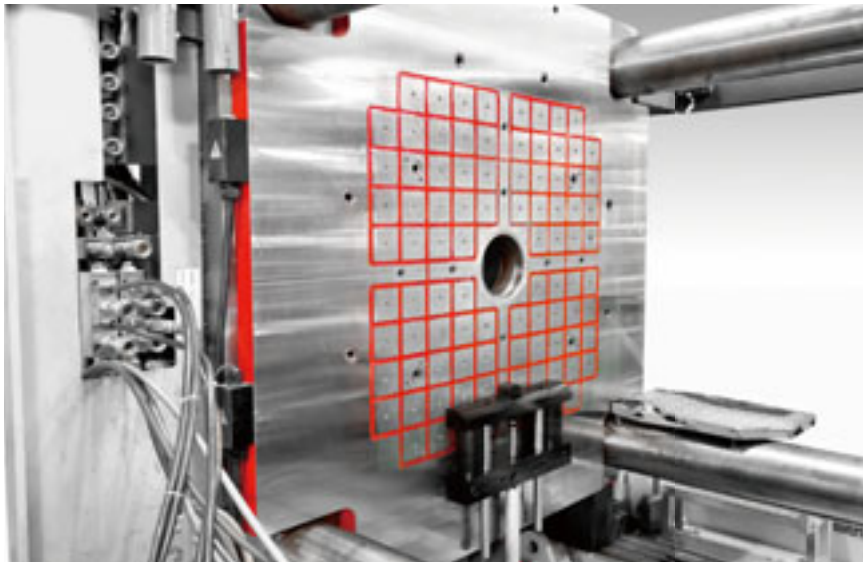
6,500kN (650ton) IMM vertical loading Die setting system & Hydraulic clamp, automatic slidable type TYC100Z



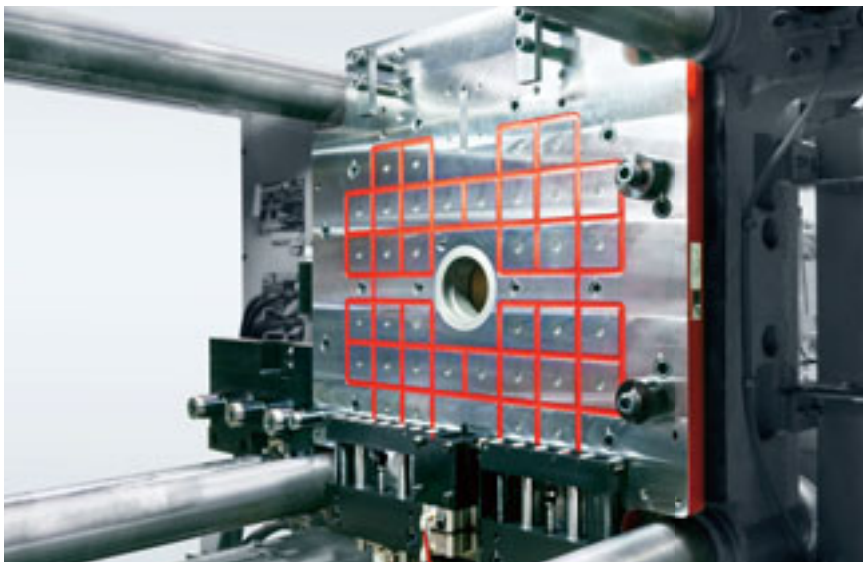
3,500kN (350ton) IMM horizontal loading Die setting roller



3,500kN (350ton) IMM vertical loading Die setting system & Mag clamp



8,500kN (850ton) IMM vertical loading Die setting system & Mag clamp



3,500kN (350ton) IMM horizontal loading Die setting roller & Mag clamp