

**POWDER COMPACTING PRESS**  
**Model PB-12**



**TSUKIMURA ENGINEERING INC.**

# Model PB-12

## OUTLINE & CHARACTERISTIC

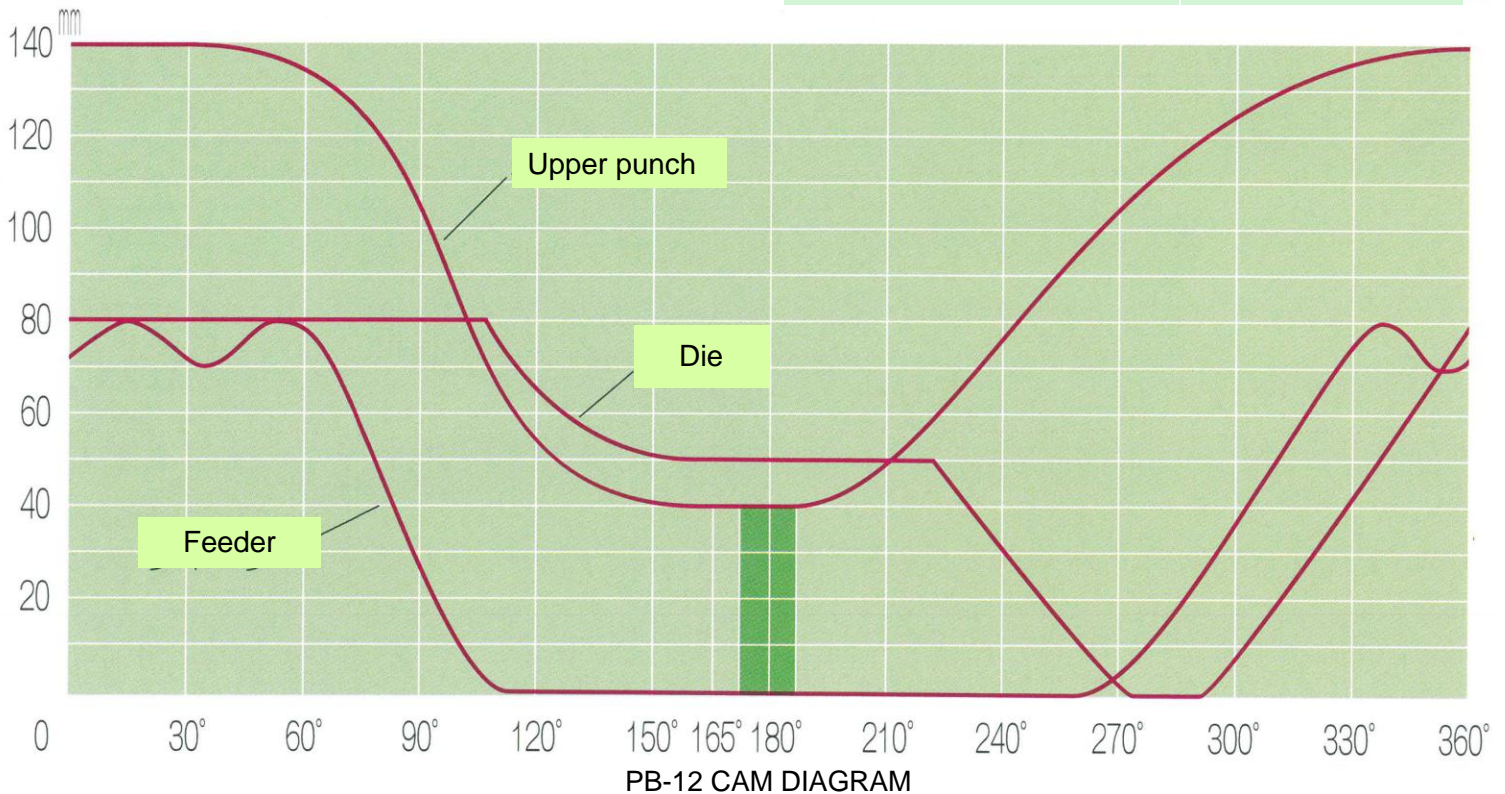
1. This machine is mechanical and withdrawal type press.
2. This press has bottom drive mechanism. So the center of gravity is low.
3. Ejection position is always constant.
4. The all press driving portions are fully enclosed in bottom of press frame. Accordingly there is no trouble causing mixing of dirt and powder.
5. The lubrication is only oil circulation system by electric pump. There is no grease lubrication, so the maintenance is easy and clean.
6. The upper punch motion is driven by mechanical cam. Accordingly powder filling time is longer, pressing curve is gentler and press holding time is prepared 15 degree.
7. Each adjustment has mechanical counters. (upper punch, fill, ejection)
8. There is press stop mechanism in the bottom of frame. So it is possible that die and core rod can support the force.
9. The press speed is controlled by inverter drive.

## SPECIFICATION

	PB-12
(1) Pressing capacity (KN)	120
(2) Ejection capacity (KN)	60
(3) Die stop capacity (KN)	80
(4) Upper ram stroke (mm)	100
(5) Upper punch adjustment (mm)	50
(6) Depth of fill (mm)	80
(7) Ejection stroke (mm)	50
(8) After pressing adjustment (mm)	5
(9) Die ejection position adj. (mm)	10
(10) Under fill, Over fill (mm)	5 (option)
(11) Stroke per minute (SPM)	10~40
(12) Main motor (KW)	3.7 (200V/4P)
(13) Transmission system	Inverter
(14) Clutch brake	Pneumatic combination
(15) Adjustment method	Manual counter
(16) Operating system	Inching, continuous, safety single cycle
(17) Lubrication method	Oil bath & electric pump
(18) Powder supply system	Straight type by cam
(19) Feeder stroke (mm)	90
(20) Hopper volume (ℓ)	8
(21) Rotary cam	Electric formula
(22) Press weight (kg)	App. 2,300
(23) Press dimension (mm)	2,200×1,300×1,550

## OPTION

- |                  |                                 |
|------------------|---------------------------------|
| 1. Die set type  | 2. Tonnage indicator            |
| ① C type (U2/L3) | 3. Electrical safety eye devise |
| ② B type (U1/L2) | 4. Movable core                 |
| ③ A type (U1/L1) | 5. Auxiliary bolster            |
| ④ Etc            | 6. Etc.                         |



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