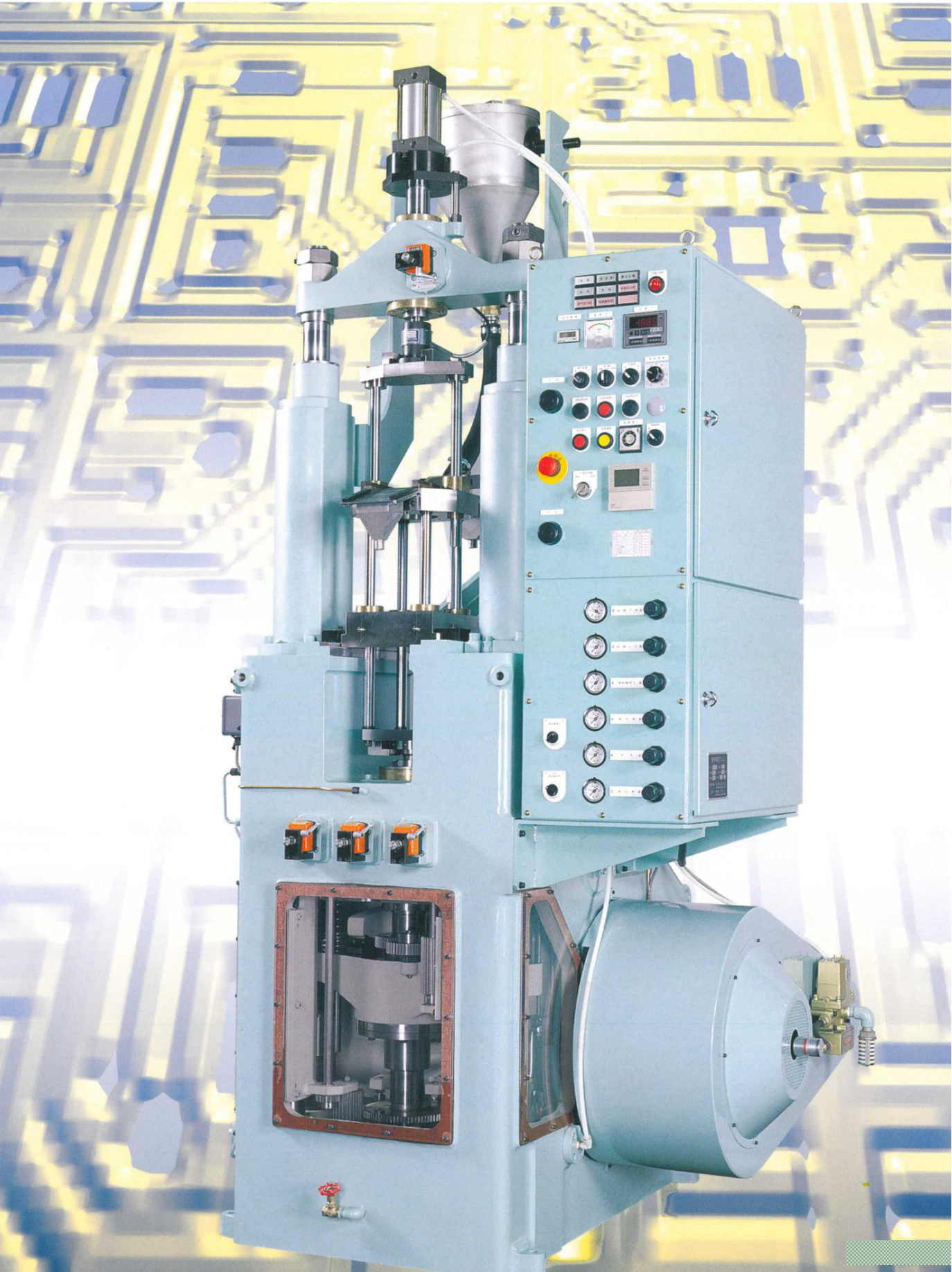


**POWDER COMPACTING PRESS**

# **Model PB-20**



**TSUKIMURA ENGINEERING INC.**

# Model PB-20

## OUTLINE & CHARACTERISTIC

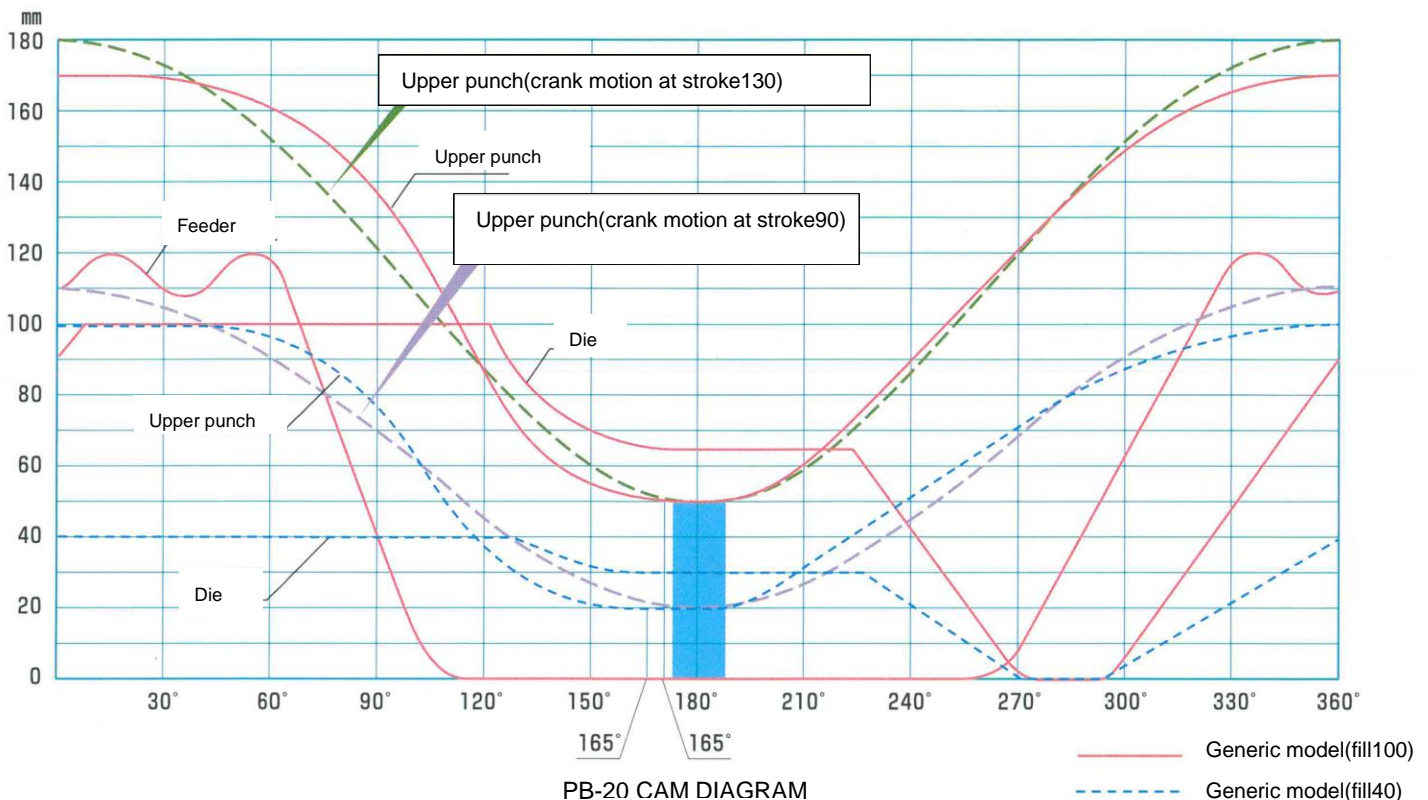
- The upper punch motion is driven by mechanical cam. Accordingly powder filling time is longer, pressing curve is gentler and press holding time is prepared 10 degree. Compared to crank motion type, the molding is stable and speed up of the molding is possible. It is effective in forming ferrite and ceramic powders in particular.
- All operation is mechanical. The hydraulic modified is not used, so it is not required to meet changing temperatures and molding speed.
- Accordingly the tonnage indicator is compressed load Cell Type. It is standard devise.
- This machine is mechanical and withdrawal type press.
- This press has bottom drive mechanism. So the center of Gravity is low.
- The lubrication is only oil circulation system by Electric pump. There is no grease lubrication, so the Maintenance is easy and clean.
- Each adjustment has digital indication. (upper ram, fill, ejection, after pressing)
- There is press stop mechanism in the bottom of frame. So it is possible that die and core rod can support the force.

## SPECIFICATION

(1)Pressing capacity(KN)	200
(2)Ejection capacity(KN)	100
(3)Die stop capacity(KN)	120
(4)Upper ram stroke(mm)	120
(5)Upper punch adjustment(mm)	60
(6)Depth of fill(mm)	100
(7)Ejection stroke(mm)	65
(8)After pressing adjustment(mm)	8
(9)Die ejection position adj. (mm)	10
(10)Under fill, Over fill(mm)	5
(11)Feeder stroke(mm)	120
(12)Hopper volume(ℓ)	13
(13)Hold down devise	Equipped
(14)Tonnage indicator	Equipped(digital) combination
(15)Adjustment method	Manual counter
(16)Operating system	Inching, continuous, safety single cycle
(17)Lubrication method	Oil bath & electric pump
(18)Stroke per minutes(SPM)	10~40
(19)Main motor(KW)	7.5(200V/4P)
(20)Transmission system	Inverter
(21)Rotary cam	Electronic formula
(22)Press weight(kg)	App. 3,200
(23)Press dimension(mm)	2,700×1,440×1,780

## OPTION

- Die set type
  - C type(U2/L3)
  - B type(U1/L2)
  - A type(U1/L1)
  - Etc



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