

POWDER COMPACTING PRESS

Model PB-20H

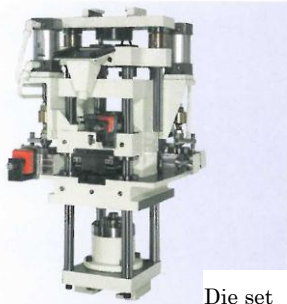


TSUKIMURA ENGINEERING INC.

Model PB-20H

OUTLINE & CHARACTERISTIC

1. 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.
2. All operation is mechanical. The hydraulic modified is not used, so it is not required to meet changing temperatures and molding speed.
3. Accordingly the tonnage indicator is compressed load Cell Type. It is standard devise.
4. This machine is mechanical and withdrawal type press.
5. This press has bottom drive mechanism. So the center of Gravity is low.
6. The lubrication is only oil circulation system by Electric pump. There is no grease lubrication, so the Maintenance is easy and clean.
7. Each adjustment has digital indication. (upper ram, fill, ejection, after pressing)
8. The standard die set is upper 1 stage, lower 2 stage. In addition, the step adjustment function is standard equipment.



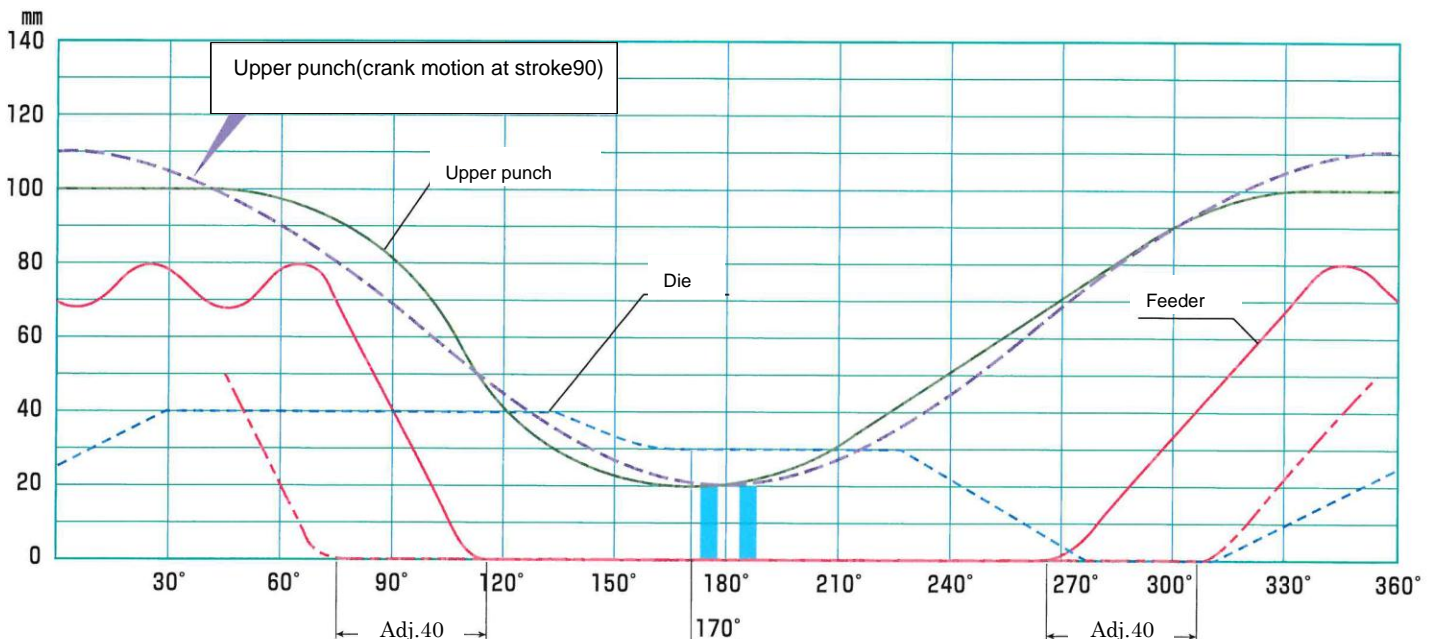
Die set

SPECIFICATION

(1)Pressing capacity(KN)	200
(2)Ejection capacity(KN)	50
(3)Die stop capacity(KN)	120
(4)Upper ram stroke(mm)	80
(5)Upper ram adjustment(mm)	40
(6)Depth of fill(mm)	40
(7)Ejection stroke(mm)	30
(8)After pressing adjustment(mm)	5
(9)Under/Over fill stroke	5
(10)Die ejection position adj.(mm)	10
(11)Stroke per minute(SPM)	20~80
(12)Upper punch hold down devise	Equipped
(13)Pressure indicator	Digital, with 2 contact points
(14)Adjustment method	Manual counter
(15)Prevent to relief system	Mechanical
(16)Operating system	Inching, continuous, emergency stop
(17)Lubrication method	Oil bath & electric pump
(18)Feeder system	Straight by cam
(19)Main motor(KW)	7.5
(20)Supply voltage	3 phases 220V/DC24V
(21)Press dimention	H2,500xW1,500xD1,100
(22)Press weight(kg)	App,3,000

DIE SET SPECIFICATION

(1)Upper punch pressure receiving capacity(KN)	200
(2)Die pressure receiving capacity(KN)	120
(3)Lower #1 punch pressure receiving capacity(KN)	200(fixed)
(4)Lower #2 punch pressure receiving capacity(KN)	150(movable)
(5)Lower #3 punch pressure receiving capacity(KN)	200(fixed)
(6)Lower #2 punch pressing stroke(mm)	0~15
(7)Lower #2 punch ejection stroke(mm)	0~15
(8)Float core stroke(mm)	40
(9)Core length adjustment capacity.	±2



PB-20H CAM DIAGRAM



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