

Diamond Array Compacting Presses



✓ Feature

- Maximum Precision
- Cost-savings within operating process
- Low noise
- No oil chiller needed

✓ Function

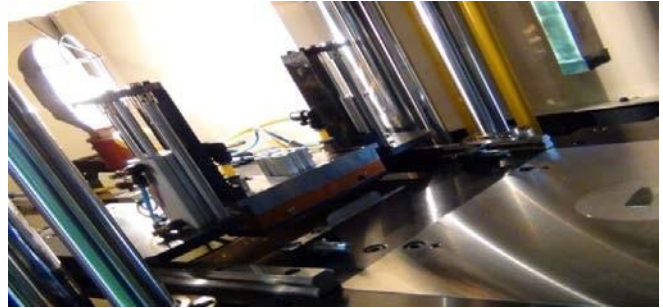
- Floating withdraw die for both pressing functions
- Hold down function
- Under/Over fill function
- Layer filling step function
- Sandwich (high/low/high) filling function
- Pressurization time function
- Pressure removal function
- Unloading High speed drive function
- Drive mode selection function
- Data Input, Memory, Disply, Calculation functions
- Product quality varification function
- Machine fault alarm lamp, record, buzzer function



✓ Diamond array Tool and Powder fill equipment

1. Diamond array tool

- Number of segments can be 1, 2 or 3
- Max. number of Diamond layers is 8



2. Powder fill equipment

- Standard dual (high/low/high) fill equipment



- Rotary sandwich (high/low/high) & dual fill equipment



- Rotary dual fill equipment



Diamond Array Compacting Presses

PART / MODEL	VS-20	VS-40
Max. pressing capacity [Ton]	20	40
Max. ejecting capacity [Ton]	10	20
Max. upper cylinder stroke [mm]	200	200
Filling / Ejecting cylinder stroke [mm]	80(inclusion under fill stroke)	80(inclusion under fill stroke)
Max. powder filling depth [mm]	65	65
Withdraw die floating capacity [Ton]	0 ~ 10	0 ~20
Motor power required [kw]	11	11
Max. Pump pressure [bar]	210	180
Max. Pump flow rate [litter/min]	50	80
Air supply pressure [bar]	5 ~8	5 ~ 8
Cycle time with dual feed (high & low) [SPM]	1 ~ 3	1 ~ 3
Cycle time with diamond array tool [SPM]	1 ~ 2	1 ~ 2
Die mold application size [mm]	90X100X73	180X190X73
A product cavity N on horizontality [ea]	1	3
A product cavity N on verticality [ea]	1 ~ 2	1 ~ 4
Hydraulic pump type	Servo hybrid type	
Diest type	Front and rear change type	
Controller	PLC sequence type	
Operate	Numerical control operate type with Touch screen	
Drive	Manual / Auto / Full-Auto	
Pressing Pressure control mode	by Servo feedback control	
Cylinder speed control mode	by Servo feedback control	
Cylinder position control mode	by 1 μ m Linear scale	
Pressing pressure control precision [Ton]	\pm 0.2	
Cylinder speed control precision [litter / min]	\pm 0.1	
Cylinder position control precision [mm]	\pm 0.03	
Required floor space [mm]	2010X1550	
Machine height [mm]	2185	
Machine weight [kg]	3,500	