

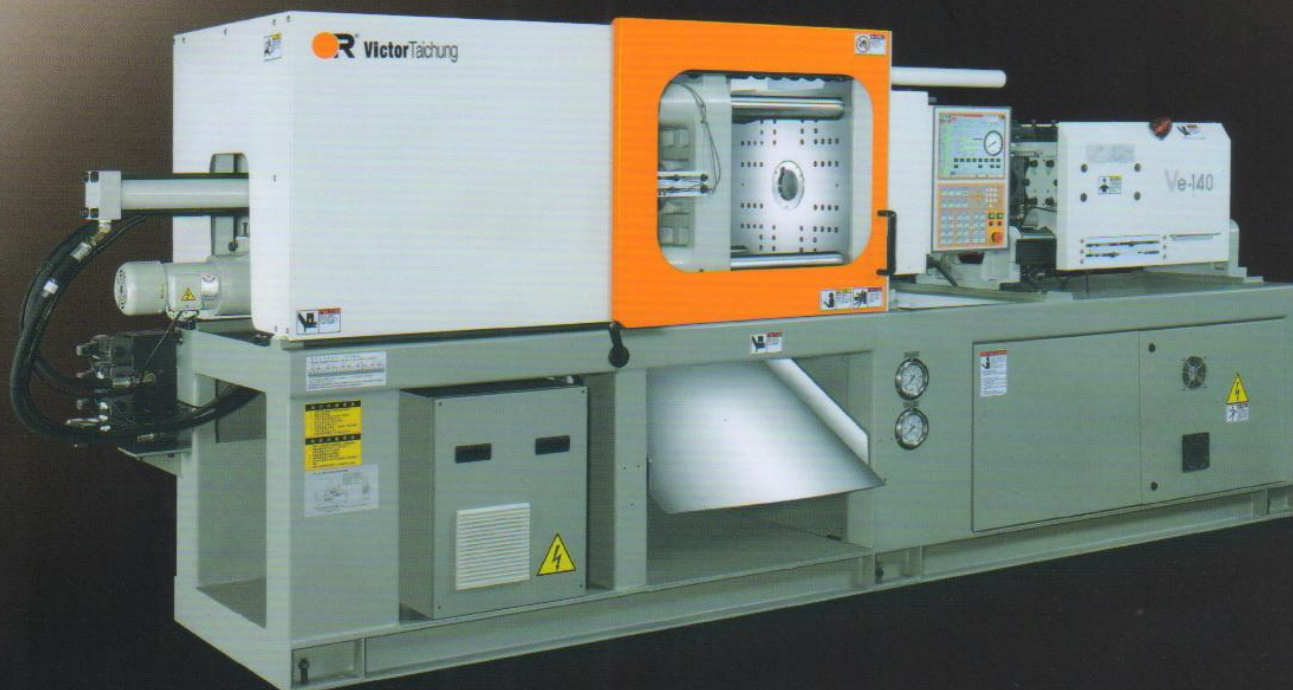


Victor[®] Taichung

Ve-Series

110-280 Tons

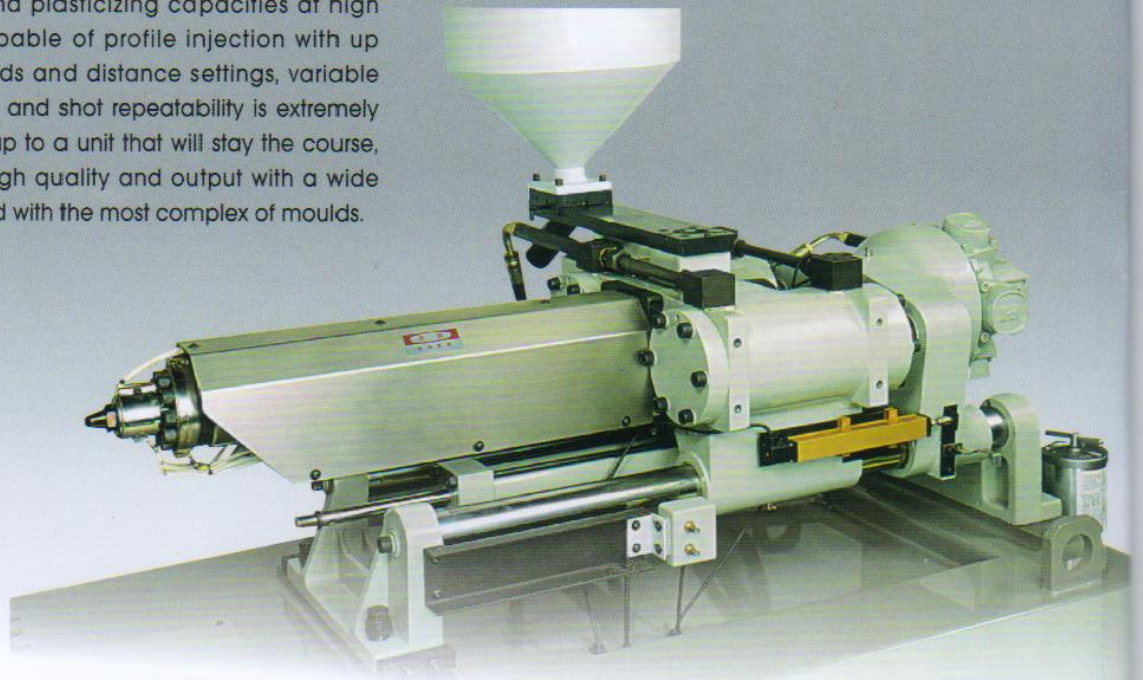
Helping you compete and win



Victor Taichung - an established ISO 9001 & 14001 company.

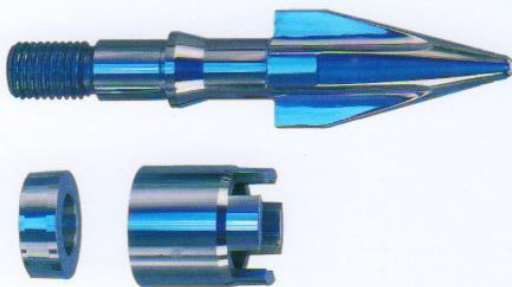
High Precison Injection Unit

Nitrided screw & barrel, wear-resistant screw tip, high injection volumes and plasticizing capacities at high injection speed. Capable of profile injection with up to five pressure speeds and distance settings, variable back pressure control and shot repeatability is extremely accurate. It all adds up to a unit that will stay the course, giving consistently high quality and output with a wide range of materials and with the most complex of moulds.



The screw and barrel used on the Victor machines has the following properties.

- ACM2 German material
- Surface hardness: 900~1100 HV
- Processed by Nitride (500~520°C for 72hrs)
- Nitrided thickness: 0.4~0.5 mm



(Optional)

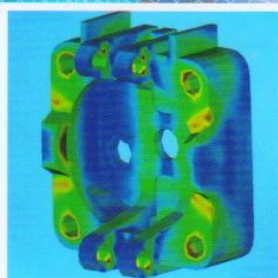
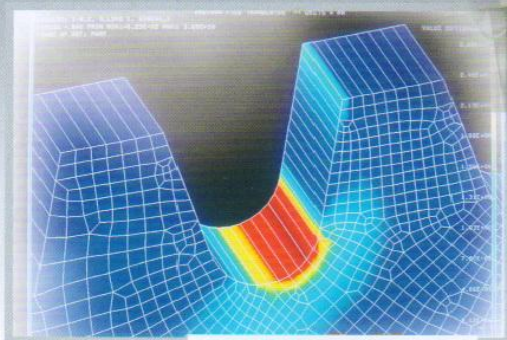
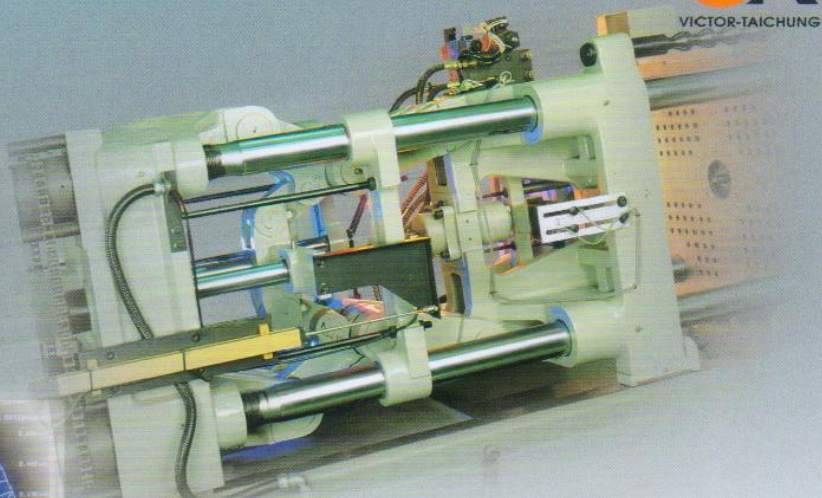
This multi-notch non-return valve offers improved reaction times and high flow rates. Also improves cycle times and increases product precision.

- Position rod uses S45C steel, which has excellent strength.
- Position seal uses German make Merkel to reduce the leakage and extend piston life.

Bi-metallic material (optional) - SKD 61 base material. Excellent wear-resistant, corrosion resistant screws & barrels for the processing of materials with fiber additives and also fire retardant materials. Victor general purpose screw and barrels can process any kind of material like PE, PP, PA, ABS, AS. We also supply an optional screw & barrel for engineering materials like PC, PBT, PET, with an L/D ratio from 18, 20, 22, 24

Heavy Duty, Rigid, Clamping Unit

A unique, ultra-reliable, five-point toggle clamping mechanism offering distinct advantages over conventional systems with its strong casted platens stressed analyzed tie-bars and a consistency not to be match.



The large, square cast iron platens are extremely robust, virtually eliminating deflection and with widely spaced tie bars.

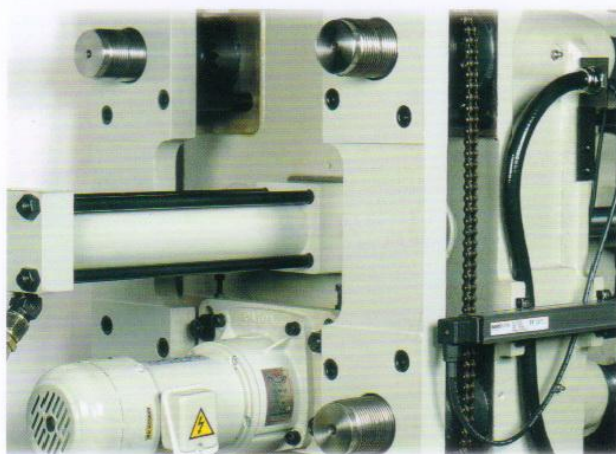
Material:

Platen: Meehanite casting FCD 55
Tie bar: NH48MV (from Japan)
Toggle pin: SCM21 (hard chrome plating)

Advantage:

- * Machine life = 15 years more
- * Eliminates the oil pollution
- * Saves maintenance time

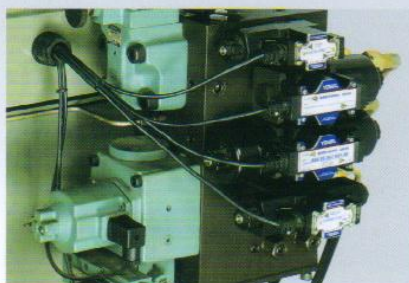
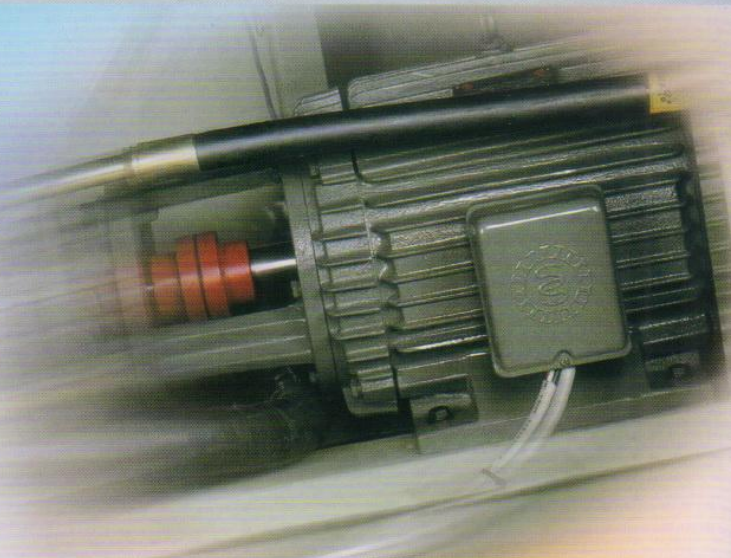
The bushings are manufactured from graphite impregnated phosphor bronze. Designed to run totally oil-free, there's no chance of contaminating molds, and maintenance is limited to long periodic greasing.



Mould height adjustment, which is the chain mechanism system, is operated by an electrical brake motor and when co-ordinated with a precision circuit breaker proceeds to prevent the possibility of overloading by force and cause machine and mould damage.

Precision Hydraulic System

The moving force behind every Ve-series is a carefully designed, ultra-quiet, leak-free hydraulic system, quick responsive hydraulic circuit. Featuring high quality components, including the latest proportional valve technology, the system combines excellent repeatability and rapid response times (40 milliseconds, + 3-6% delay time) with very low energy consumption, and maintenance couldn't be easier with clear access to all major components.

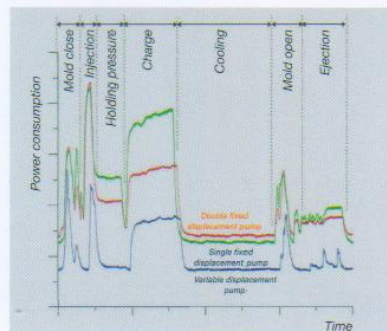


High quality directional valves from Yuken and Tokimec for high-speed response, reliable operation and optimum energy savings. The latest proportional control valves, from Yuken, gives the optimum performance for the pressure and volume settings.



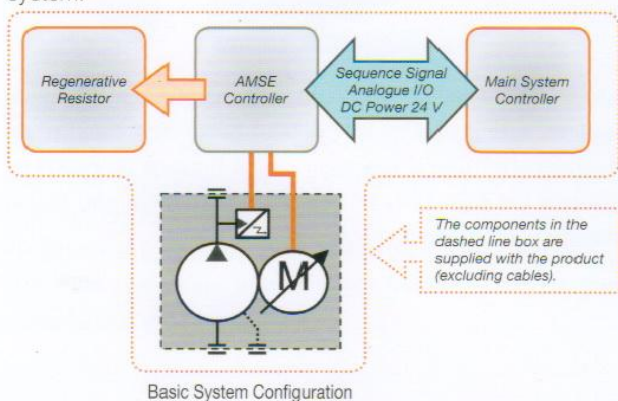
Piston: Merkel (German)
Cylinder seal: NOK (Japan)
O-Ring: NOK (Japan)
Back-up Ring: NOK (Japan)

Power consumption comparison in a cycle base for Double fixed & Single Fixed displacement vane pump and Variable Displacement vane pump.



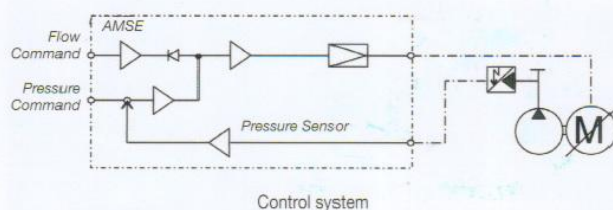
Energy Saving, Servo Motor System (Option)

The product is a compact, energy-saving, low-noise hydraulic device comprised of an AC servo motor and a piston pump. This unit can be combined with the dedicated controller to facilitate the configuration of a speed and pressure control system.



Control system

The control system provides the variable control of pump discharge pressure and flow by controlling the AC servo motor speed according to externally.



New Generation V8800 Control



Intuitive 15 inch touch screen framed with keyboard

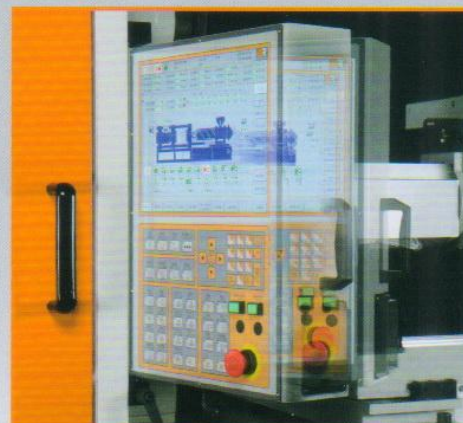
The swivel mounted 15" LCD high resolution touch screen, graphical user interface, can be optimally positioned for each operator, allowing an easy setting position and easy access to the mould area.

Lighted on/off manual movement buttons for each axis.

Simple Friendly Operation interface

Mold settings can be transferred using a USB drive

The internal memory allows for up to 1000 set to be stored, the USB port enables molding condition files to be stored to an external USB memory stick.



Overall setting screen

- Single screen for setting clamp, ejector, injection, temperature, air-blast and charging etc.
- Great for quick setups and adjustments.
- Improves operator setup efficiency.

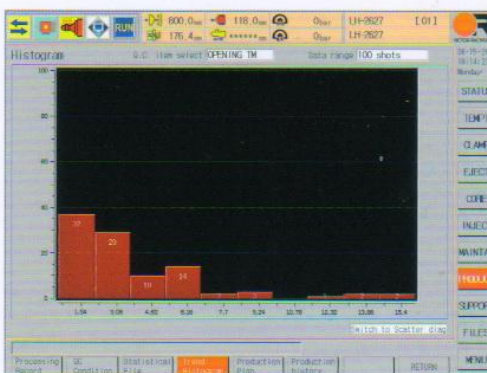


Pop-up keyboards for data and text entry

Touch screen panel/Pop-up keyboard for data and text entry. Drop down selection boxes for choosing items from a list.

SPC/SQC Production management - quality control

Process cycle data maintains information over the last 10,000 cycles allowing for quick analysis of process history. This data can be printed, and save to USB sticker, for off line Excel analyzing.



The Setting Page Of Controller V8800 Series

Machine Status



Inject & Holding



Clamp Setting



Corepull on Ejection



WeekTime & Auto Tuning



Charge & Suckback



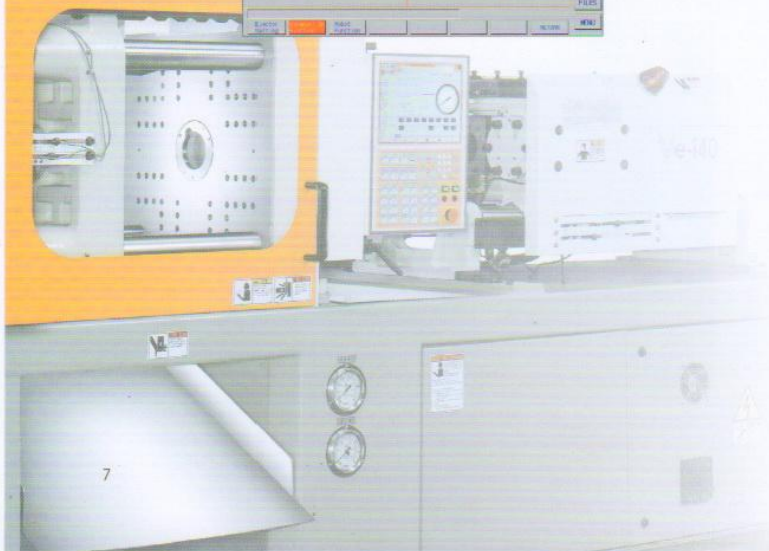
Barrel Temperature



Mold Setup



Cycle Monitor



Euromap Specifications

		Ve-110			Ve-120			Ve-140			Ve-180			Ve-220			Ve-280				
Injection Unit																					
Calculated injection capacity	cm³	113	145	168	145	181	222	204	249	325	320	412	517	349	432	523	622	641	763	896	1040
Actual shot weight-PS	grams	105	135	157	135	169	208	191	233	304	299	386	484	327	404	490	583	600	715	839	974
Actual shot weight-PS	oz	3.7	4.8	5.5	4.8	6	7.3	6.7	8.2	10.7	10.5	13.6	17	11.5	14.2	17.2	20.5	21.1	25.2	29.5	34.3
Actual Plasticizing Capacity-PS	g/s	9	15	18	11	15	20	15	19	27	17	24	32	23	29	36	45	36	45	54	63
Injection pressure-Max	kgf/cm²	2310	2030	1604	1798	1439	1178	2079	1702	1303	2198	1702	1357	2350	1904	1574	1322	2065	1735	1478	1275
Injection rate	cm³/sec	80	91	115	103	128	157	108	132	173	126	163	209	143	177	214	255	233	278	326	378
Screw diameter	mm	30	34	38	34	38	42	38	42	48	44	50	56	45	50	55	60	55	60	65	70
Screw L/D ratio		22.5	20	18	22	20	19	22	20	18	23	20	18	24	21.5	20	18	23	21	19.5	18
Screw speed	rpm	245			245			240			195			170			170				
Screw stroke	mm	160			160			180			210			220			270				
Nozzle stroke	mm	255			280			300			325			345			450				
Nozzle contact force	ton	2.77			2.77			3.4			4.04			5			7.9				
Total heating wattage	kw	6.6			7.1			8.1			10.8			11.1			15.5				
Clamping Unit																					
Clamping force	ton	110			120			140			180			220			280				
Max. clamp stroke	mm	300			350			350			405			470			580				
Max. open daylight	mm	700			800			800			925			1070			1230				
Min/Max. mould thickness	mm	100 - 400			120 - 450			120 - 450			150 - 520			200 - 600			250 - 650				
Platen dimensions (H x V)	mm	550 x 550			620 x 620			620 x 620			695 x 695			720 x 720			820 x 820				
Tie-bar distance (H x V)	mm	360 x 360			410 x 410			410 x 410			460 x 460			505 x 505			605 x 605				
Ejector stroke	mm	85			100			100			120			140			170				
Ejector force	ton	2.8			3.3			3.3			4.7			5.6			8.5				
General																					
Pump motor power (Standard)	Hp(kw)	20 (15)			20 (15)			25 (18.5)			30 (22.5)			40 (30)			50 (37.5)				
Servomotor power (Option ES Model)	kw	11 (M) + 15 (D)			11 (M) + 15 (D)			20 (M) + 22 (D)			20 (M) + 22 (D)			35 (M) + 45 (D)			35 (M) + 45 (D)				
Oil tank capacity	litre	150			180			195			335			375			450				
System Pressure - Max	kgf/cm²	140			140			140			140			170			170				
Machine weight	ton	3.8			4.3			4.6			6.5			7.2			9.7				
Machine dimensions (L x W x H)	m	4.2 x 1.2 x 1.8			4.4 x 1.2 x 1.8			4.6 x 1.2 x 1.8			5.1 x 1.3 x 2.0			5.4 x 1.3 x 2.0			7.2 x 1.5 x 2.3				

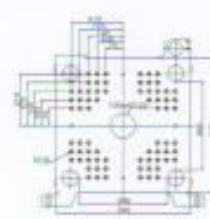
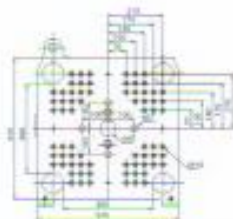
* Due to continual improvements, specifications technical information and dimensions are subject to change without prior notice.
 * Servomotor (ES Model) for optional. (M) = Servomotor (D)= Driver

Euromap Platen Information

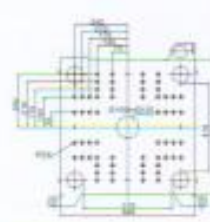
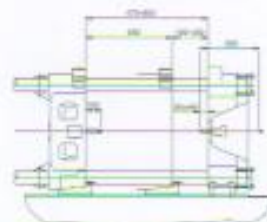
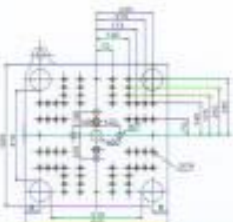
Moving platen

Fixed platen

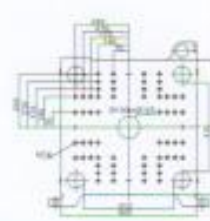
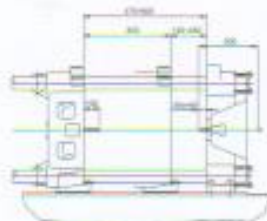
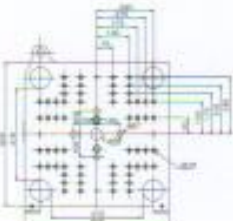
Ve-110



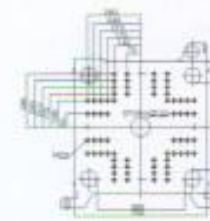
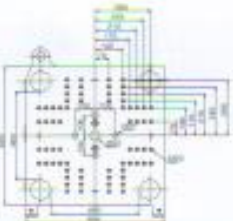
Ve-120



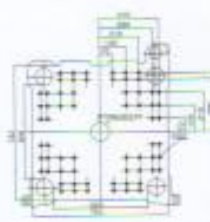
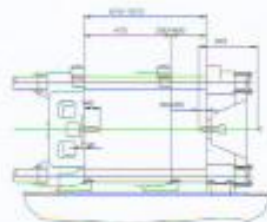
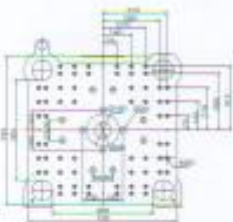
Ve-140



Ve-180



Ve-220



Ve-280

