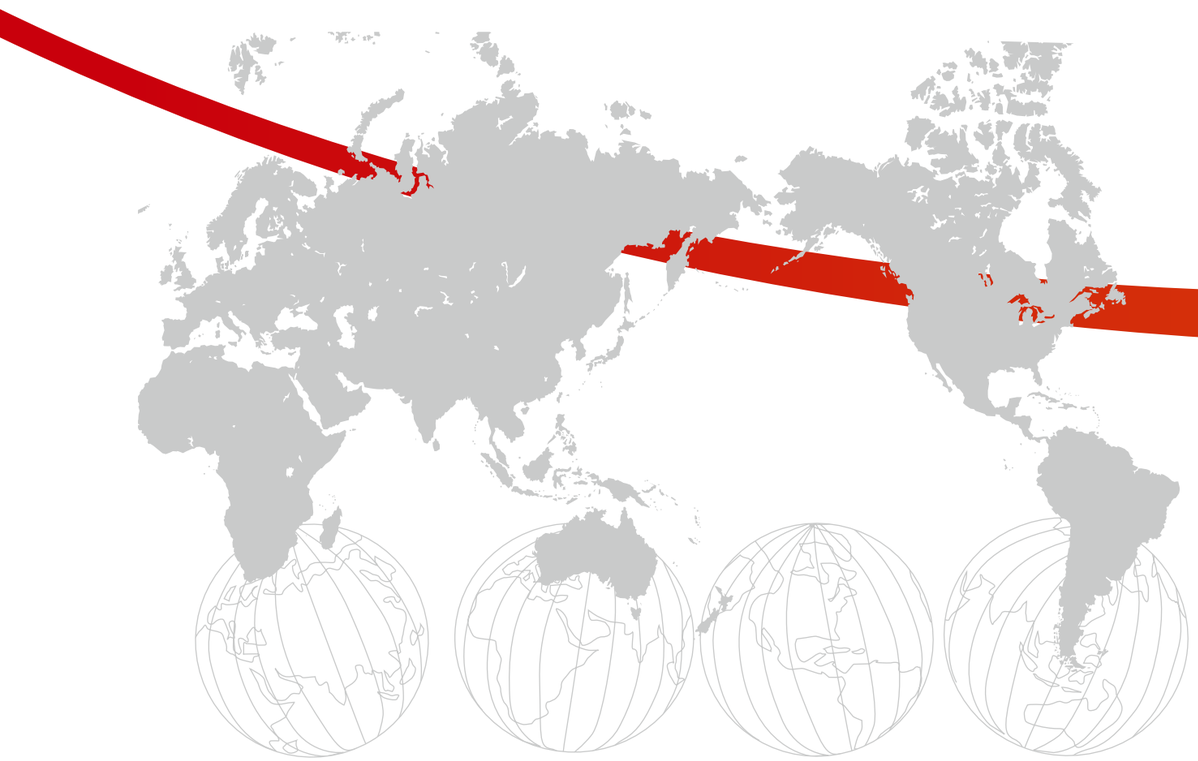

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Zhafir **Venus** II /hs Series

ZHAFIR
PLASTICS MACHINERY

Zhafir **Venus** 2 Series

VE II /hs Specifications / International

400-5500kN

A Member of Haitian International

We Extend Advantage.

Technical data VE400 II

CLAMPING UNIT		VE400 II
Clamping force	kN	400
Toggle stroke	mm	235
Min. mold height	mm	150
Max. mold height	mm	320
Max. mold opening stroke	mm	555
Space between tie bars H×V	mm	320×280
Min. mold dimension	mm	205×180
Ejector stroke	mm	60
Ejector force	kN (tf)	9.8(1.0)
Mold platen dimension H×V	mm	460×440

INJECTION UNIT		50hs		80hs		
		A	B	A	B	C
Screw diameter	mm	16	19	19	22	26
Screw L/D ratio	L/D	21	20	20	20	17
Injection volume (theoretical)	cm^3	12	17	21	36	50
Injection weight (PS)	g	11	15.5	19.1	32.8	45.5
Injection speed	mm/s	500		500		
Injection rate (PS)	g/s	91	128	128	172	241
Injection pressure	Mpa	280	260	280	220	157
	bar	2800	2600	2800	2200	1570
Screw speed	rpm	400		400		
Plasticizing capacity (PS)	g/s	2.5	3.8	3.8	6.0	8.8
Nozzle contact force	kN (tf)	9.8(1.0)		9.8(1.0)		
Heating power	kW	3.2	4.1	4.1	5.0	5.0

OTHERS			
Connection power	kW/A	19/34	24/43
Hopper capacity	L	15	15
Machine dimension	m	3.62×1.2×1.75	3.62×1.2×1.75
Machine weight	t	2.8	2.8

We reserve the right to make changes as a result of further technical advantages.

Technical data VE600 II

CLAMPING UNIT		VE600 II
Clamping force	kN	600
Toggle stroke	mm	270
Min. mold height	mm	150
Max. mold height	mm	370
Max. mold opening stroke	mm	640
Space between tie bars H×V	mm	370×320
Min. mold dimension	mm	240×205
Ejector stroke	mm	70
Ejector force	kN (tf)	19.6(2.0)
Mold platen dimension H×V	mm	545×505

INJECTION UNIT		80hs			120hs		
		A	B	C	A	B	C
Screw diameter	mm	19	22	26	22	26	30
Screw L/D ratio	L/D	20	20	17	20	20	17.4
Injection volume (theoretical)	cm^3	21	36	50	36	58	78
Injection weight (PS)	g	19.1	32.8	45.5	33	52	70
Injection speed	mm/s	500			500		
Injection rate (PS)	g/s	128	172	241	172	241	321
Injection pressure	Mpa	280	220	157	280	220	165
	bar	2800	2200	1570	2800	2200	1650
Screw speed	rpm	400			400		
Plasticizing capacity (PS)	g/s	3.8	6.0	8.8	6.0	8.8	13
Nozzle contact force	kN (tf)	14.7(1.5)			14.7(1.5)		
Heating power	kW	4.1	5.0	5.0	5.3	6.8	6.8

OTHERS			
Connection power	kW/A	24/43	31/55
Hopper capacity	L	15	15
Machine dimension	m	3.74×1.22×1.8	3.86×1.22×1.8
Machine weight	t	3.3	3.5

We reserve the right to make changes as a result of further technical advantages.

Technical data **VE900 II**

CLAMPING UNIT		VE900 II
Clamping force	kN	900
Toggle stroke	mm	320
Min. mold height	mm	150
Max. mold height	mm	410
Max. mold opening stroke	mm	730
Space between tie bars H×V	mm	420×370
Min. mold dimension	mm	270×240
Ejector stroke	mm	80
Ejector force	kN (tf)	19.6(2.0)
Mold platen dimension H×V	mm	615×570

INJECTION UNIT		120hs			160hs			210hs		
		A	B	C	A	B	C	AA	A	B
Screw diameter	mm	22	26	30	26	28	30	26	28	32
Screw L/D ratio	L/D	20	20	17.4	21	21	19.6	21	21	21
Injection volume (theoretical)	cm^3	36	58	78	58	67	78	61	70	100
Injection weight (PS)	g	33	52	70	52	61	70	55	64	91
Injection speed	mm/s	500			500			500		
Injection rate (PS)	g/s	172	241	321	241	280	321	241	280	365
Injection pressure	Mpa	280	220	165	260	220	192	280	260	200
	bar	2800	2200	1650	2600	2200	1920	2800	2600	2000
Screw speed	rpm	400			400			400		
Plasticizing capacity (PS)	g/s	6.0	8.8	13	8.8	11	13	8.8	11	16
Nozzle contact force	kN (tf)	19.6(2.0)			19.6(2.0)			19.6(2.0)		
Heating power	kW	5.3	6.8	6.8	6.8	7.8	7.8	5.4	7.5	8.0

OTHERS				
Connection power	kW/A	31/55	34/60	38/67
Hopper capacity	L	15	15	25
Machine dimension	m	4.06×1.29×1.91	4.10×1.29×1.91	4.33×1.29×1.91
Machine weight	t	4.2	4.3	4.4

We reserve the right to make changes as a result of further technical advantages.

Technical data **VE1200 II**

CLAMPING UNIT		VE1200 II
Clamping force	kN	1200
Toggle stroke	mm	360
Min. mold height	mm	150
Max. mold height	mm	480
Max. mold opening stroke	mm	840
Space between tie bars H×V	mm	470×420
Min. mold dimension	mm	305×270
Ejector stroke	mm	100
Ejector force	kN (tf)	29.4(3.0)
Mold platen dimension H×V	mm	690×640

INJECTION UNIT		160hs			210hs			300hs			430hs		
		A	B	C	AA	A	B	AA	A	B	AA	A	B
Screw diameter	mm	26	28	30	26	28	32	30	32	36	32	36	40
Screw L/D ratio	L/D	21	21	19.6	21	21	21	21	22.5	20	22	23.3	21
Injection volume (theoretical)	cm^3	58	67	78	61	70	100	102	116	147	136	173	213
Injection weight (PS)	g	52	61	70	55	64	91	92	106	134	124	157	194
Injection speed	mm/s	500			500			400			400		
Injection rate (PS)	g/s	241	280	321	241	280	365	257	292	370	292	370	457
Injection pressure	Mpa	260	220	192	280	260	200	300	253	200	280	247	200
	bar	2600	2200	1920	2800	2600	2000	3000	2530	2000	2800	2470	2000
Screw speed	rpm	400			400			400			400		
Plasticizing capacity (PS)	g/s	8.8	11	13	8.8	11	16	12.8	16	22	16	22	30
Nozzle contact force	kN (tf)	24.5(2.5)			24.5(2.5)			24.5(2.5)			24.5(2.5)		
Heating power	kW	6.8	7.8	7.8	5.4	7.5	8.0	7.7	9.9	9.9	11.4	12.6	12.6

OTHERS					
Connection power	kW/A	34/60	38/67	40/71	68.6/123
Hopper capacity	L	15	25	25	25
Machine dimension	m	4.59×1.36×1.99	4.64×1.36×1.99	4.93×1.36×1.99	5.24×1.36×1.99
Machine weight	t	5.4	5.5	5.6	6

We reserve the right to make changes as a result of further technical advantages.

Technical data VE1500 Ⅱ

CLAMPING UNIT		VE1500 Ⅱ
Clamping force	kN	1500
Toggle stroke	mm	420
Min. mold height	mm	180
Max. mold height	mm	520
Max. mold opening stroke	mm	940
Space between tie bars H×V	mm	520×470
Min. mold dimension	mm	335×305
Ejector stroke	mm	120
Ejector force	kN (tf)	34.3(3.5)
Mold platen dimension H×V	mm	770×730

INJECTION UNIT		210hs			300hs			430hs			640hs(OP)		
		AA	A	B	AA	A	B	AA	A	B	AA	A	B
Screw diameter	mm	26	28	32	30	32	36	32	36	40	36	40	45
Screw L/D ratio	L/D	21	21	21	21	22.5	20	22	23.3	21	21	22.5	20
Injection volume (theoretical)	cm^3	61	70	100	102	116	147	136	173	213	204	252	319
Injection weight (PS)	g	55	64	91	92	106	134	124	157	194	186	229	290
Injection speed	mm/s	500			400			400			300		
Injection rate (PS)	g/s	241	280	365	257	292	370	292	370	457	277	342	434
Injection pressure	Mpa	280	260	200	300	253	200	280	247	200	280	253	200
	bar	2800	2600	2000	3000	2530	2000	2800	2470	2000	2800	2530	2000
Screw speed	rpm	400			400			400			350		
Plasticizing capacity (PS)	g/s	8.8	11	16	12.8	16	22	16	22	30	19	27	39
Nozzle contact force	kN (tf)	19.6(2.0)			29.4(3.0)			29.4(3.0)			29.4(3.0)		
Heating power	kW	5.4	7.5	8.0	7.7	9.9	9.9	11.4	12.6	12.6	12.8	14.2	14.2

OTHERS					
Connection power	kW/A	38/67	40/71	68.6/123	61/110
Hopper capacity	L	25	25	25	25
Machine dimension	m	4.90×1.46×2.08	5.16×1.46×2.08	5.47×1.46×2.08	5.67×1.46×2.08
Machine weight	t	7	7.1	7.3	7.7

We reserve the right to make changes as a result of further technical advantages.

Technical data VE1900 Ⅱ

CLAMPING UNIT		VE1900 Ⅱ
Clamping force	kN	1900
Toggle stroke	mm	470
Min. mold height	mm	200
Max. mold height	mm	550
Max. mold opening stroke	mm	1020
Space between tie bars H×V	mm	570×520
Min. mold dimension	mm	370×335
Ejector stroke	mm	130
Ejector force	kN (tf)	44.1(4.5)
Mold platen dimension H×V	mm	840×790

INJECTION UNIT		300hs			430hs			640hs			830hs(OP)		
		AA	A	B	AA	A	B	AA	A	B	AA	A	B
Screw diameter	mm	30	32	36	32	36	40	36	40	45	40	45	50
Screw L/D ratio	L/D	21	22.5	20	22	23.3	21	21	22.5	20	22.5	22.2	20
Injection volume (theoretical)	cm^3	102	116	147	136	173	213	204	252	319	263	334	412
Injection weight (PS)	g	92	106	134	124	157	194	186	229	290	240	304	375
Injection speed	mm/s	400			400			300			300		
Injection rate (PS)	g/s	257	292	370	292	370	457	277	342	434	342	434	536
Injection pressure	Mpa	300	253	200	280	247	200	280	253	200	270	247	200
	bar	3000	2530	2000	2800	2470	2000	2800	2530	2000	2700	2470	2000
Screw speed	rpm	400			400			350			320		
Plasticizing capacity (PS)	g/s	12.8	16	22	16	22	30	19	27	39	24	35	46
Nozzle contact force	kN (tf)	24.5(2.5)			39.2(4.0)			39.2(4.0)			39.2(4.0)		
Heating power	kW	7.7	9.9	9.9	11.4	12.6	12.6	12.8	14.2	14.2	17.4	19	19

OTHERS					
Connection power	kW/A	40/71	68.6/123	61/110	68.6/123
Hopper capacity	L	25	25	25	50
Machine dimension	m	5.46×1.57×2.18	5.77×1.57×2.18	5.98×1.57×2.18	6.19×1.57×2.18
Machine weight	t	8.5	8.8	8.9	9.7

We reserve the right to make changes as a result of further technical advantages.

Technical data **VE2300 Ⅱ**

CLAMPING UNIT		VE2300 Ⅱ
Clamping force	kN	2300
Toggle stroke	mm	550
Min. mold height	mm	220
Max. mold height	mm	600
Max. mold opening stroke	mm	1150
Space between tie bars H×V	mm	620×620
Min. mold dimension	mm	400×400
Ejector stroke	mm	150
Ejector force	kN (tf)	49(5.0)
Mold platen dimension H×V	mm	920×920

INJECTION UNIT		430hs			640hs			830hs			1100hs(OP)		
		AA	A	B	AA	A	B	AA	A	B	AA	A	B
Screw diameter	mm	32	36	40	36	40	45	40	45	50	45	50	55
Screw L/D ratio	L/D	22	23.3	21	21	22.5	20	22.5	22.2	20	22	22	20
Injection volume (theoretical)	cm^3	136	173	213	204	252	319	263	334	412	381	471	570
Injection weight (PS)	g	124	157	194	186	229	290	240	304	375	346	428	518
Injection speed	mm/s	400			300			300			300		
Injection rate (PS)	g/s	292	370	457	277	342	434	342	434	536	434	536	648
Injection pressure	Mpa	280	247	200	280	253	200	270	247	200	274	235	194
	bar	2800	2470	2000	2800	2530	2000	2700	2470	2000	2740	2350	1940
Screw speed	rpm	400			350			320			320		
Plasticizing capacity (PS)	g/s	16	22	30	19	27	39	24	35	46	35	46	60
Nozzle contact force	kN (tf)	29.4(3.0)			49(5.0)			49(5.0)			54(5.5)		
Heating power	kW	11.4	12.6	12.6	12.8	14.2	14.2	17.4	19	19	21.4	23.4	23.4

OTHERS					
Connection power	kW/A	68.6/123	61/110	68.6/123	78.6/139
Hopper capacity	L	25	25	50	50
Machine dimension	m	6.18×1.73×2.3	6.22×1.73×2.3	6.44×1.73×2.3	6.76×1.73×2.3
Machine weight	t	11.3	11.5	11.8	12.5

We reserve the right to make changes as a result of further technical advantages.

Technical data **VE3000 Ⅱ**

CLAMPING UNIT		VE3000 Ⅱ
Clamping force	kN	3000
Toggle stroke	mm	600
Min. mold height	mm	240
Max. mold height	mm	650
Max. mold opening stroke	mm	1250
Space between tie bars H×V	mm	720×720
Min. mold dimension	mm	470×470
Ejector stroke	mm	150
Ejector force	kN (tf)	58.8(6.0)
Mold platen dimension H×V	mm	1040×1040

INJECTION UNIT		830hs			1100hs			1400hs			1700hs(OP)		
		AA	A	B	AA	A	B	AA	A	B	AA	A	B
Screw diameter	mm	40	45	50	45	50	55	50	55	60	55	60	65
Screw L/D ratio	L/D	22.5	22.2	20	22	22	20	22	21.8	20	22	21.6	20
Injection volume (theoretical)	cm^3	263	334	412	381	471	570	510	617	735	665	792	929
Injection weight (PS)	g	240	304	375	346	428	518	464	562	668	605	720	845
Injection speed	mm/s	300			300			300			300		
Injection rate (PS)	g/s	342	434	536	434	536	648	536	648	770	648	770	905
Injection pressure	Mpa	270	247	200	274	235	194	259	214	180	251	210	180
	bar	2700	2470	2000	2740	2350	1940	2590	2140	1800	2510	2100	1800
Screw speed	rpm	320			320			300			250		
Plasticizing capacity (PS)	g/s	24	35	46	35	46	60	42	56	70	48	60	70
Nozzle contact force	kN (tf)	54(5.5)			54(5.5)			54(5.5)			54(5.5)		
Heating power	kW	17.4	19	19	21.4	23.4	23.4	26.4	27.8	27.8	29	32	32

OTHERS					
Connection power	kW/A	68.6/123	78.6/139	89.2/157	95.5/168
Hopper capacity	L	50	50	50	50
Machine dimension	m	6.94×1.99×2.37	7.04×1.99×2.37	7.33×1.99×2.37	7.59×1.99×2.37
Machine weight	t	14.8	15.4	16.2	16.3

We reserve the right to make changes as a result of further technical advantages.

Technical data **VE3600 Ⅱ**

CLAMPING UNIT		VE3600 Ⅱ
Clamping force	kN	3600
Toggle stroke	mm	700
Min. mold height	mm	250
Max. mold height	mm	710
Max. mold opening stroke	mm	1410
Space between tie bars H×V	mm	820×820
Min. mold dimension	mm	540×540
Ejector stroke	mm	160
Ejector force	kN (tf)	58.8(6.0)
Mold platen dimension H×V	mm	1150×1150

INJECTION UNIT		1100hs			1400hs			1700hs(OP)		
		AA	A	B	AA	A	B	AA	A	B
Screw diameter	mm	45	50	55	50	55	60	55	60	65
Screw L/D ratio	L/D	22	22	20	22	21.8	20	22	21.6	20
Injection volume (theoretical)	cm^3	381	471	570	510	617	735	665	792	929
Injection weight (PS)	g	346	428	518	464	562	668	605	720	845
Injection speed	mm/s		300			300			300	
Injection rate (PS)	g/s	434	536	648	536	648	770	648	770	905
Injection pressure	Mpa	274	235	194	259	214	180	251	210	180
	bar	2740	2350	1940	2590	2140	1800	2510	2100	1800
Screw speed	rpm		320			300			250	
Plasticizing capacity (PS)	g/s	35	46	60	42	56	70	48	60	70
Nozzle contact force	kN (tf)		54(5.5)			54(5.5)			54(5.5)	
Heating power	kW	21.4	23.4	23.4	26.4	27.8	27.8	29	32	32

OTHERS				
Connection power	kW/A	78.6/139	89.2/157	95.5/168
Hopper capacity	L	50	50	50
Machine dimension	m	7.36×2.1×2.44	7.70×2.1×2.44	7.86×2.1×2.44
Machine weight	t	18.2	19	19.1

We reserve the right to make changes as a result of further technical advantages.

Technical data **VE4500 Ⅱ**

CLAMPING UNIT		VE4500 Ⅱ
Clamping force	kN	4500
Toggle stroke	mm	800
Min. mold height	mm	350
Max. mold height	mm	800
Max. mold opening stroke	mm	1600
Space between tie bars H×V	mm	870×870
Min. mold dimension	mm	570×570
Ejector stroke	mm	180
Ejector force	kN (tf)	98(10.0)
Mold platen dimension H×V	mm	1270×1270

INJECTION UNIT		1400hs			1700hs(OP)		
		AA	A	B	AA	A	B
Screw diameter	mm	50	55	60	55	60	65
Screw L/D ratio	L/D	22	21.8	20	22	21.6	20
Injection volume (theoretical)	cm^3	510	617	735	665	792	929
Injection weight (PS)	g	464	562	668	605	720	845
Injection speed	mm/s		300			300	
Injection rate (PS)	g/s	536	648	770	648	770	905
Injection pressure	Mpa	259	214	180	251	210	180
	bar	2590	2140	1800	2510	2100	1800
Screw speed	rpm		300			250	
Plasticizing capacity (PS)	g/s	42	56	70	48	60	70
Nozzle contact force	kN (tf)		54(5.5)			54(5.5)	
Heating power	kW	26.4	27.8	27.8	29	32	32

OTHERS			
Connection power	kW/A	89.2/157	95.5/168
Hopper capacity	L	50	50
Machine dimension	m	8.67×2.25×2.38	8.67×2.25×2.38
Machine weight	t	25.8	25.9

We reserve the right to make changes as a result of further technical advantages.

Technical data **VE5500 Ⅱ**

CLAMPING UNIT		VE5500 Ⅱ
Clamping force	kN	5500
Toggle stroke	mm	900
Min. mold height	mm	380
Max. mold height	mm	880
Max. mold opening stroke	mm	1780
Space between tie bars H×V	mm	970×970
Min. mold dimension	mm	630×630
Ejector stroke	mm	180
Ejector force	kN (tf)	137.2(14.0)
Mold platen dimension H×V	mm	1400×1400

INJECTION UNIT		1400hs			1700hs(OP)		
		AA	A	B	AA	A	B
Screw diameter	mm	50	55	60	55	60	65
Screw L/D ratio	L/D	22	21.8	20	22	21.6	20
Injection volume (theoretical)	cm^3	510	617	735	665	792	929
Injection weight (PS)	g	464	562	668	605	720	845
Injection speed	mm/s		300			300	
Injection rate (PS)	g/s	536	648	770	648	770	905
Injection pressure	Mpa	259	214	180	251	210	180
	bar	2590	2140	1800	2510	2100	1800
Screw speed	rpm		300			250	
Plasticizing capacity (PS)	g/s	42	56	70	48	60	70
Nozzle contact force	kN (tf)		54(5.5)			54(5.5)	
Heating power	kW	26.4	27.8	27.8	29	32	32

OTHERS			
Connection power	kW/A	89.2/157	95.5/168
Hopper capacity	L	50	50
Machine dimension	m	9.05×2.44×2.5	9.05×2.44×2.5
Machine weight	t	31.3	31.4

We reserve the right to make changes as a result of further technical advantages.

Standard Equipment List

Injection Unit

- » Abrasion-resistant screw unit (open nozzle)
- » Nozzle safety guard
- » 6 injection steps
- » 4 pressure holding steps
- » 3 dosing steps
- » 3 back pressure steps
- » Screw suck back select (after holding/after dosing)
- » Screw suck back delay function
- » Injection delay function
- » Dosing delay function
- » Intrusion/filling by rotating screw
- » V/P switch over mode (position, time, pressure, speed)
- » Injection speed response mode select
- » Injection pressure segment control
- » Speed limit during holding pressure
- » Screw postion setting (unit: 0.01mm)
- » Screw rotation speed setting
- » Holding pressure time setting
- » Mold open available during dosing
- » Barrel heating closed-loop control (K/J type available)
- » Barrel temperature holding function
- » Barrel temperature auto tunning function
- » Barrel pre-heating function
- » Barrel temperature synchronous control
- » Material overheating prevention function
- » Screw cold start prevention
- » Auto purge function
- » Screw rotation speed display
- » Setting for nozzle movement (switch/time)
- » Selection of nozzle retract (3 modes)
- » Nozzle contact device
- » Nozzle centre adjustable
- » Feeding throat temperature closed-loop control
- » Injection unit swiveling device
- » Independent nozzle temperature control

Clamping unit

- » 6 mold moving steps
- » Mold safety protection
- » Mold setup mode
- » Injection compression function
- » Clamping force pre-release during cooling
- » Injection during clamping (pre-injection)
- » 2 step mold close/clamp process
- » In mold cut function (ejector activate when mold closed)
- » Clamping safety device (mechanical and electrical)
- » Adjustable moving platen support
- » Clamping force setting
- » Ejector device
- » Ejector function deactivatable
- » 3 ejector steps
- » Ejector forward delay function
- » Ejector vibration function
- » Ejector A/B function (2 steps ejector stroke)

Standard Equipment List

- Eject on the fly
- Ejector plate return signal confirmation
- Cooling water distributor
  (6 sets up to 1500 II, 8 sets for others)
- Embedded locating ring (fixed platen)
- In mold ejector pin protection interface
- Mold installation mode (low speed mold move)
- Needle shut off nozzle interface
  (one spare electrical interface)
- Emergency stop (operating and non-operating sides)
- Robot mounting layout
- Central lubrication system
- S-curve flexible control for mold movement

Controller & Monitor

- 15 inch TFT color touch screen
- Mold profile data memory (up to 200 sets)
- Alarm history
- Data setting record
- 3 USB R/W interface
- Injection pressure and speed curve display and record
- Euromap 12 robot interface
- Multi-language available
  (Chinese, German, English, Japanese etc.)
- Metric/Imperial unit select
- I/O monitor display
- Printer interface(USB connector)
- Production cycle monitor
- Production profile monitor
- Production data record
  (5000 cycles display, 100,000 cycles record)
- Production data graphics
- Quality parameters tolerance setting
- Quality abnormal alarm
- Cycle counter
- Machine overview display
- Main data setting fast access
- Machine maintenance administration
- Clamping force curve display
- Barrel temperature monitor
- Display cycle time sequences in each phase
- 3 Color alarm lamp(red/yellow/green)
- Alarm buzzer
- Injection overfill prevention (HPM)
- Display of actual performance data
- Multi-action selectable during machine alarm

Others

- Standard Zhafir color
- Adjustable machine pads
- 3 Power sockets (two 16A and one 32A)
- Standard hopper
- Mold clamper
- T-screw nuts (for T-slot use)
- Hopper slide movement support
- Tools box
- Spare parts
- Machine cover

Options List

Injection Unit

- Chrome-plating screw unit
- Corrosion and abrasion resistant screw unit
- High performance nozzle heating band
- Extended nozzle
- V/P switch based on in-mold pressure
- Needle shut off nozzle
- Spring nozzle
- Nozzle head customization
- Stainless steel hopper

Clamping unit

- Air blow
- Pneumatic ejector
- Hydraulic power pack (For core and valve gate)
- Hydraulic core interface (Programable)
- Pneumatic core interface (Programable)
- Valve Gate control interface
- Glass tube water flowmeter
- Customized mold platen
  (T-slot,threaded holes)
- Mold unscrew electrical interface
- Mold height extension
- Mold slide block protection interface
- Eject compression function
- Mold auto clamp device (Pneumatic/hydraulic)
- Ejector unit with brake
- Intergrated hot runner controller
- Product drop plate
- Automatic safety gate on operator side
- Clamping force automatically controller
- Quality flap
- Product drop detector

Controller & Monitor

- Mold temperature display and control
- Quality flap interface
- Heating disconnect detection function
- Additional cooling water distributor
- External transformer
- Euromap 67 robot interface
- Gas-assisted injection interface
- Magnetic platen interface
- Mold cavity pressure detection interface

Others

- Safty certification: CE,UL
- Infrared barrel heating band
- Barrel heating insulation cover