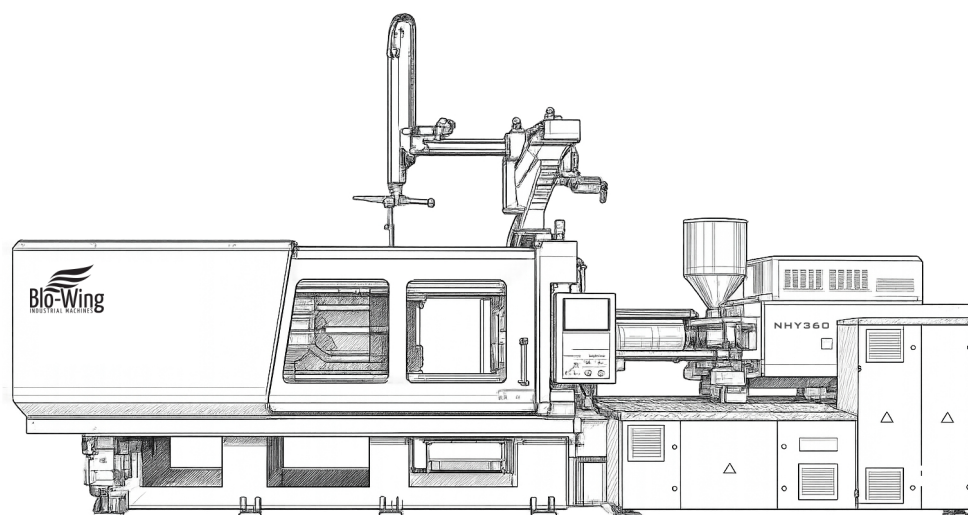
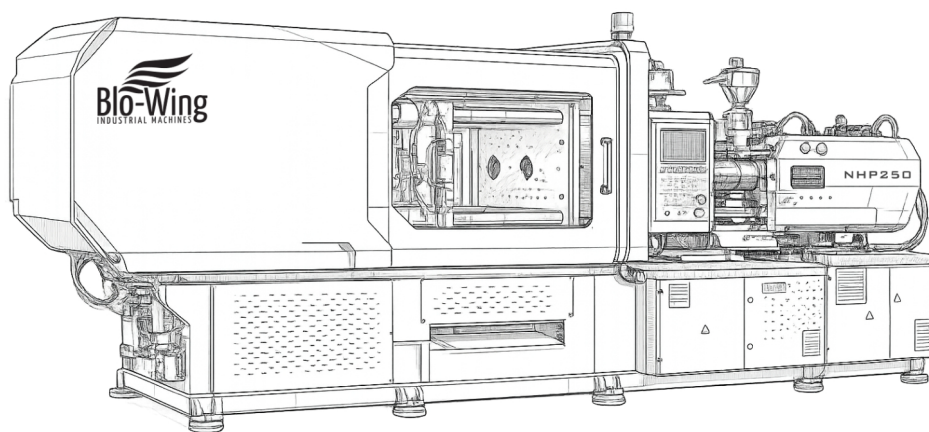




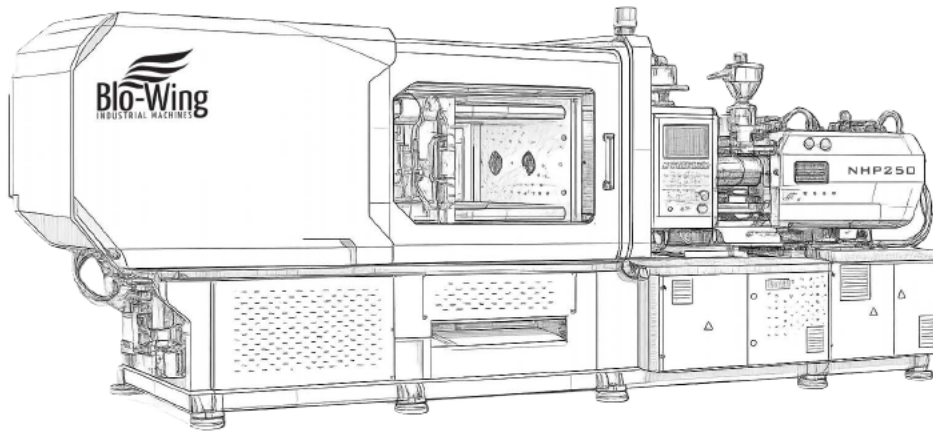
NHP-NHY

PLASTIC INJECTION MACHINE SYSTEM



BLO-WING NHP

MULTI-COMPONENT PLASTIC INJECTION MACHINE



- Two independent single-cylinder injection units are used for injection of two materials with different properties or colors, which is fast and accurate
- Modular design, multiple injection units are available
- Low resistance high precision linear guide with low inertia and fast response
- Wide plate mould closing mechanism is firm and stable, equipped with high performance mould turntable and a variety of mould positioning device, suitable for a variety of different structure of the mould installation
- The turntable is designed to be firm, light and flexible, with few frictions when it rotates
- High performance proportional valve or servo motor control the rotary table movement, smooth, fast and accurate
- Two sets of independent working servo hydraulic system, using world famous brand components, high efficiency and energy saving
- Closed electrical control box, using high performance controller and world famous brand components, safe and stable

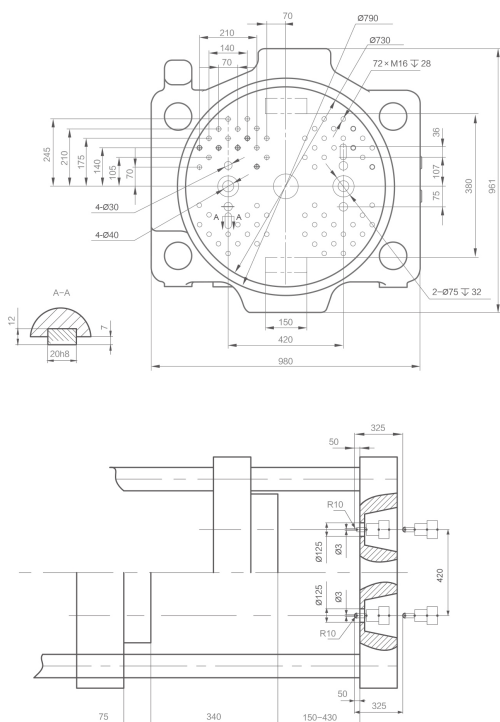
BLO-WING NHP - MULTI-COMPONENT PLASTIC INJECTION MACHINE

TECHNICAL PARAMETERS:

Model Blo-Wing	Unit	NHP160						NHP250					
		1			2			1			2		
Injection Unit		A	B	C	A	B	C	A	B	C	A	B	C
Screw Diameter	mm	32	36	40	26	30	34	40	45	50	32	36	40
Screw L/D Ratio	L/D	22.5	20	18	24.8	21.5	19	22.5	20	18	22.5	20	18
Injection Volume	cm3	129	163	201	72	96	123	257	326	402	129	163	201
Shot Weight	g	117	148	183	65	87	112	234	297	366	117	148	183
Injection Speed (max)	g/s	80	101	125	75	98	128	128	157	195	80	101	125
Injection Pressure	Mpa	225	178	144	237	178	138	225	178	144	225	178	144
Plasticing Capacity	g/s	10	13	16	7.5	10	13	18	23	28	10	13	16
Clamping Unit													
Clamping Force	KN	1600						2500					
Opening Stroke	mm	340						460					
Space Between Tic-Bars	mm	700 x 420						910 x 570					
Diameter of Rotational Mold Adapter	mm	730						1000					
Bearing Capacity of Rotary Platen	t	0.6						1					
Mould Thickness (min-max)	mm	150-430						200-510					
Ejector Force	KN	33 x 2						33 x 2					
Ejector Stroke	mm	100						110					
Ejector Number	PC	3 x 2						5 x 2					
Mould Orientation Ring Diameter	mm	420						490					
General													
System Pressure	Mpa	16						16					
Motor Power	KW	12			12			18.7			12		
Heater	KW	9			5			12			9		
Machine Weight	t	7.5						12					
Mold Location Recess Diameters	mm	125			125			125			125		
Nozzle Radius	mm	SR10			SR10			SR10			SR10		

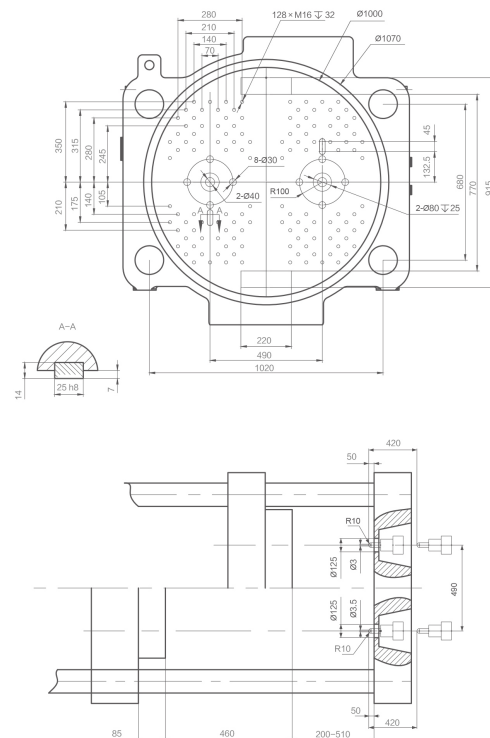
NHP160

Platen Figure



NHP250

Platen Figure



BLO-WING NHP - MULTI-COMPONENT PLASTIC INJECTION MACHINE

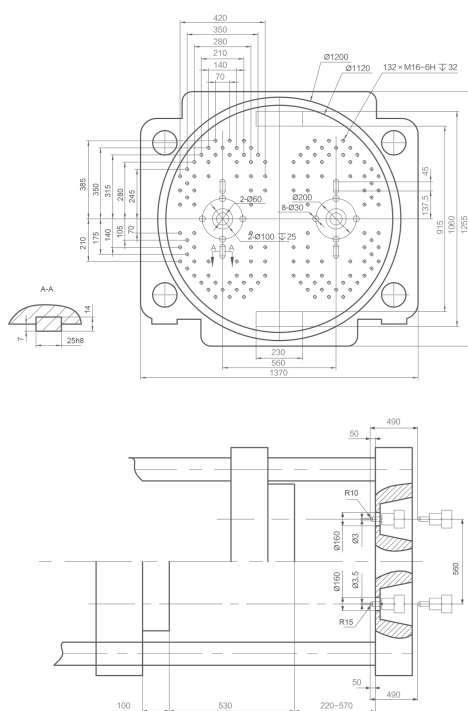
Model Blo-Wing	Unit	NHP360						NHP530					
		1			2			1			2		
Injection Unit		A	B	C	A	B	C	A	B	C	A	B	C
Screw Diameter	mm	45	50	55	32	36	40	65	70	75	36	40	45
Screw L/D Ratio	L/D	22.2	20	18.2	22.5	20	18	21.5	20	18.7	23.3	21	18.7
Injection Volume	cm3	350	432	523	129	163	201	1078	1250	1435	183	226	286
Shot Weight	g	319	393	475	117	148	183	981	1138	1306	167	205	260
Injection Speed (max)	g/s	155	193	233	80	101	125	276	320	365	85	105	133
Injection Pressure	Mpa	215	174	144	225	178	144	218	188	164	225	182	144
Plasticing Capacity	g/s	26	33	40	10	13	16	50	58	65	13	16	21.5

Clamping Unit			
Clamping Force	KN	3600	5300
Opening Stroke	mm	530	600
Space Between Tic-Bars	mm	1010 x 630	1170 x 700
Diameter of Rotational Mold Adapter	mm	1120	1250
Bearing Capacity of Rotary Platen	t	1.8	2.8
Mould Thickness (min-max)	mm	150-430	200-510
Ejector Force	KN	62 x 2	110 x 2
Ejector Stroke	mm	130	150
Ejector Number	PC	5 x 2	5 x 2
Mould Orientation Ring Diameter	mm	560	630

General					
System Pressure	Mpa	16		16	
Motor Power	KW	23	12	44	18.7
Heater	KW	17	9	27	12
Machine Weight	t	15.5		30	
Mold Location Recess Diameters	mm	160	160	160	160
Nozzle Radius	mm	SR10	SR10	SR10	SR15

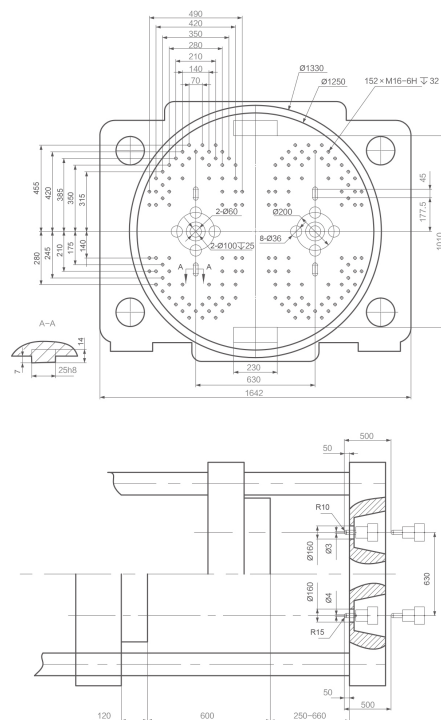
NHP360

Platen Figure



NHP530

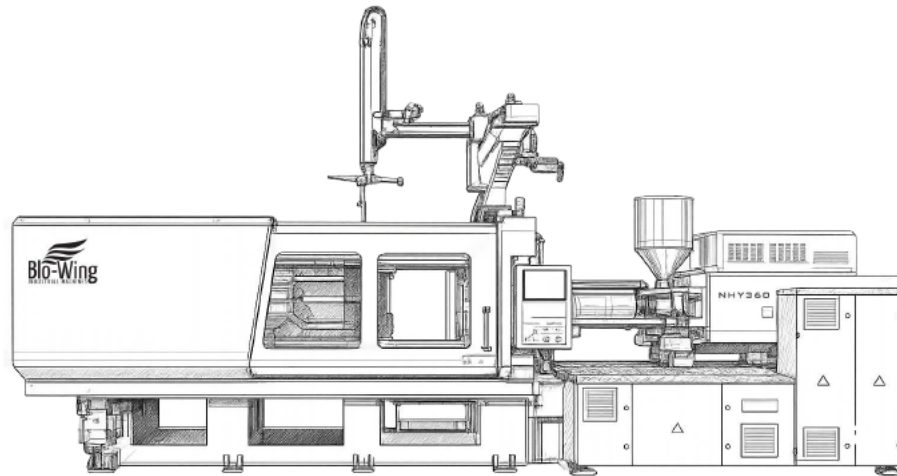
Platen Figure



BLO-WING NHY

OIL-ELECTRIC COMPOSITE

High Precision Servo Energy-saving Injection Machine



- **HIGH PRECISION:** Oil-Electric composite molding machine has maximum precision. It has truly realized
- **OUTSTANDING ENERGY-SAVING:** Power saving: motor doesn't work during cooling stage, thus power consumption is 0. Water-oil saving: compared to traditional hydraulic power system, reduce 1/4~1/3 of hydraulic oil consumption; may omit cooling, thus save a large amount of water.
- **IMPROVE PRODUCTION EFFICIENCY:** Rapid Response, High Production Efficiency; High Repetition, Accuracy, Save Raw Materials
- **LONGER SERVICE LIFE, CLEAR WORKING ENVIRONMENT:** Less Noise Emission: control noise of hydraulic system within national standard scope. Lower energy requirements for waste heat and cooling, more suitable for production environment with air conditioner: from boot to steady state of injection machine, the rise of oil temperature is about 8°C -10°C .

TECHNICAL PARAMETERS:

MODEL: Blo-Wing	Unit	NHY100	NHY130		NHY170		NHY210	
Clamping Unit								
Clamping Force	kN	1000	1300		1700		2100	
Opening Stroke	mm	330	380		440		500	
Space Between Tie-Bars	mm	370x370	420x420		470x470		530x530	
Mould Thickness	mm	140-380	150-450		180-520		200-550	
Ejector Stroke	mm	100	130		140		165	
Hydraulic Ejection	kN	31.4	45		45		70	
Die Positioning Hole	mm	100	100		125		125	
Injection Unit								
		A	A	B	A	B	A	B
Screw Diameter	mm	26	32	36	32	36	40	45
Screw L/D Ratio	L/D	20	21	20.5	21	20.5	21	24
Injection Volume	cm³	61	128	162	128	162	282	358
Shot Weight	g	55	114	147	114	147	257	326
Plasticizing capacity	g/s	8.8	16	22	16	22	27	39
Screw Speed	rpm	400	400		400		350	
The Injection Unit		160	330		330		780	
Injection Speed	mm/s	200	200		200		200	
Injection Rate	g/s	96	146	185	146	185	229	289
Injection Pressure	Mpa	260	250	203	250	203	260	210
Dwell Pressure	Mpa	210	200	160	200	160	208	168
The Injection Unit		160h	330h		330h		780h	
Injection Speed	mm/s	350	350		350		350	
Injection Rate	g/s	169	256	324	256	324	400	506
Injection Pressure	Mpa	260	250	203	250	203	260	210
Dwell Pressure	Mpa	210	200	160	200	160	208	168
General								
Total Power of Motor	kW/A	34	49		56		90	
Heating Power	kW	5	7.5		11		13	16
L×W×H Machine Dimension	m	4.5×1.2×1.95	4.8×1.2×1.95		5.4×1.3×2.0		5.9×1.5×2.3	
Machine Weight	t	3	3.8		5		7.5	

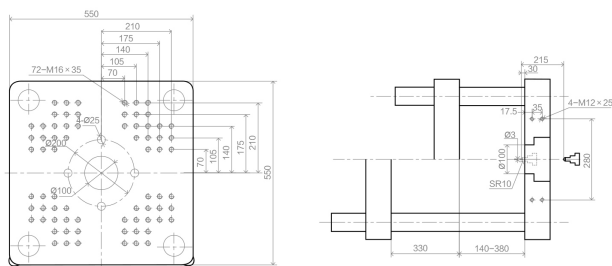
BLO-WING NHY - Oil-electric Composite High Precision Servo Energy-saving Injection Machine

MODEL: Blo-Wing	Unit	NHY260	NHY300	NHY360	NHY420
Clamping Unit					
Clamping Force	kN	2600	3000	3600	4200
Opening Stroke	mm	500	550	640	730
Space Between Tie-Bars	mm	570x520	590x590	660x660	705x705
Mould Thickness	mm	200-560	220-600	240-650	300-820
Ejector Stroke	mm	140	150	160	180
Hydraulic Ejection	kN	70	70	102	126
Die Positioning Hole	mm	125	125	125	125
Injection Unit					
		A	A	A	A
Screw Diameter	mm	45	50	50	50
Screw L/D Ratio	L/D	22.2	22.2	22.2	22.2
Injection Volume	cm ³	358	442	442	442
Shot Weight	g	326	402	402	402
Plasticizing capacity	g/s	36	40	40	40
Screw Speed	rpm	320	320	320	320
The Injection Unit		780h	830h	830h	830h
Injection Speed	mm/s	350	350	350	350
Injection Rate	g/s	506	625	625	625
Injection Pressure	Mpa	210	180	180	180
Dwell Pressure	Mpa	168	135	135	135
General					
Total Power of Motor	kW/A	115	147	163	205
Heating Power	kW	18	21	21	21
L×W×H Machine Dimension	m	6.0×1.5×2.3	7.0×1.6×2.4	7.3×1.9×2.7	7.9×2.1×2.7
Machine Weight	t	10	12.5	17	20

BLO-WING NHY - Oil-electric Composite High Precision Servo Energy-saving Injection Machine

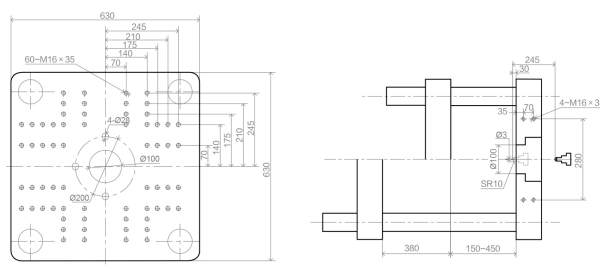
NHY100

Platen Figure



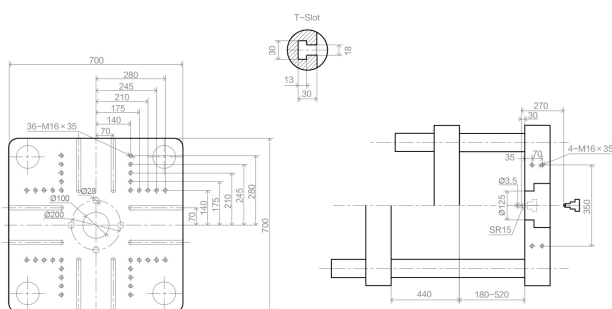
NHY130

Platen Figure



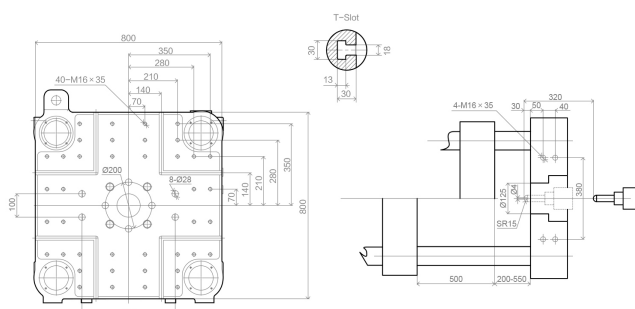
NHY170

Platen Figure



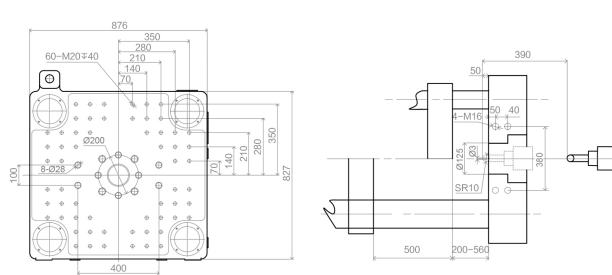
NHY210

Platen Figure



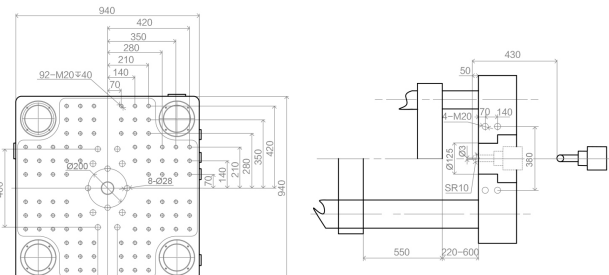
NHY260

Platen Figure



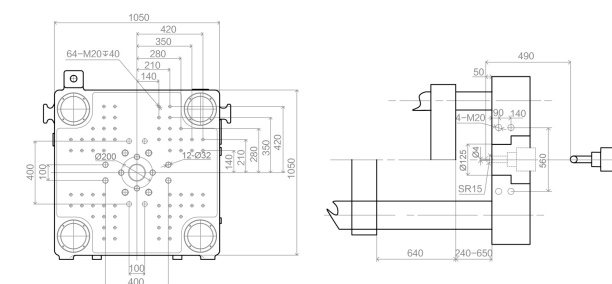
NHY300

Platen Figure



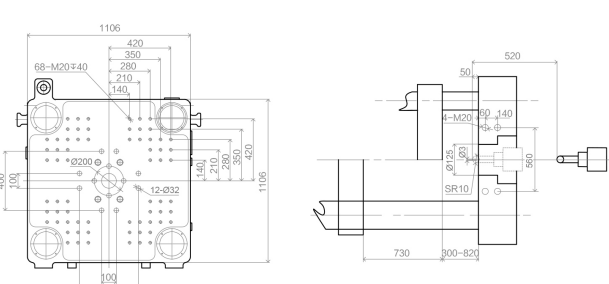
NHY360

Platen Figure



NHY420

Platen Figure





NHP-NHY

PLASTIC INJECTION MACHINE SYSTEM