

Machines that **WIN** your trust



FASTER

QUIETER

SMARTER



50 to 350 Ton

WINELEC

All Electric Injection Moulding Machines

Machine Features

- 50 ~ 80% Energy saving
- Enhanced machine specifications
- Rigid and optimized platen weights for better product consistency
- Clamp movement on linear guideways
- Accurate control of injection and back pressure
- High consistency and repeatability
- High machine uptime
- Servo motor driven nozzle contact force mechanism
- Advanced control system with 12" touch screen display



Automotive

Electrical & Electronics

Technical Moulding



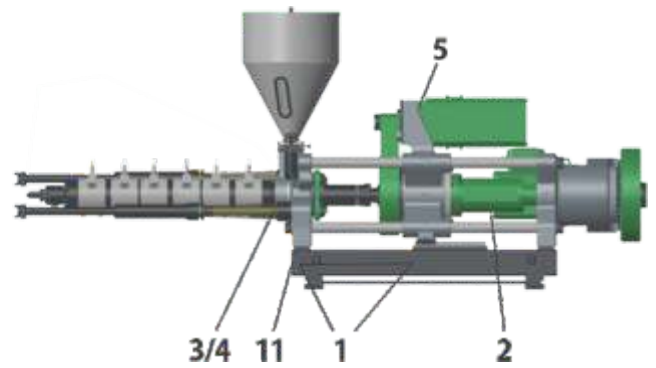
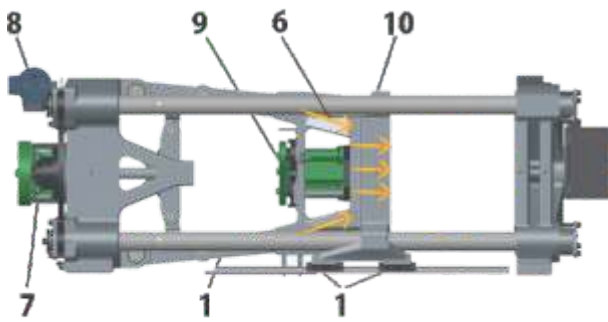
Caps & Closure

Medical

Thin Wall Packaging

Machine Specifications

Parameters	Unit	WINELEC 100						WINELEC 150						WINELEC 230								
		300			450			300			450			700			700			950		
Injection Unit		300			450			300			450			700			700			950		
Screw Diameter	mm	32	36	40	36	40	45	32	36	40	36	40	45	40	45	50	40	45	50	45	50	60
Injection Pressure	bar	2405	1900	1539	2469	2000	1580	2405	1900	1539	2469	2000	1580	2531	2000	1620	2531	2000	1620	2469	2000	1389
Max. Injected Weight (GPPS)	g	122	155	191	174	215	272	122	155	191	174	215	272	263	332	410	263	332	410	363	448	645
Injection Rate	cc/s	114	144	177	144	177	224	114	144	177	144	177	224	177	224	277	177	224	277	224	277	399
Plasticising Rate (GPPS) @ Max. Speed	g/s	21	26	33	26	33	42	21	26	33	26	33	42	35	43	53	35	43	53	42	53	67
Clamping Force	ton	100						150						230								
Mould Opening Stroke	mm	360						450						550								
Mould Height (Min. ~ Max.)	mm	180 ~ 500						200 ~ 550						250 ~ 650								
Distance Between Tiebars (H x V)	mm	470 x 470						520 x 520						630 x 630								
Clamping Platens (H x V)	mm	670 x 670						730 x 730						870 x 870								
Ejector Force / Ejector Stroke	kN/mm	25/120						40/150						50/175								
Connected Load	kW	15.1			21.3			15.1			21.3			27.1			27.1			35.3		



- ① Precise linear guideways for low energy consumption
- ② Dynamic injection drive system
- ③ Servo motor driven nozzle contact force mechanism
- ④ Nozzle contact force reduction during clamp opening/closing
- ⑤ Balanced and optimised movements
- ⑥ Even clamp force application on mould

- ⑦ High speed clamp mechanism guarantees more production
- ⑧ Mould height adjustment mechanism
- ⑨ Ejector mechanism
- ⑩ No tie bar lubrication
- ⑪ Barrel swivelling for easy screw/barrel replacement

Windsor Machines Ltd. reserves right to change specifications without prior notice.



WINDSOR

Partner in Progress

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