



## ABST Series

Toggle Clamp with Vertical Screw Type Plastic Injection Molding Machine

### Standard Features:

- | Vertical injection by high pressure hydraulic cylinder.
- | Horizontal mould clamping by toggle type.
- | High performance 'V' toggle structure.
- | Sliding vice for easiest setting of nozzle.
- | Wear & tear resistance toggle block & plates.
- | High tensile steel tie bars with chrome plated.
- | Toggle clamp designed for min. Mould size.
- | Mould clamp pressure regulated by pressure relief valve.
- | Plazma-nitrided screw-barrel.
- | SS cover band heaters.
- | USA make high torque hydraulic motor with variable speed control.
- | Injection speed & pressure regulated by speed control valve & pressure relief valve.
- | Adjustable suck back position for providing drooling.
- | Injection unit up-down for mould height setting.
- | Machine can be operating in manual-semi-fully auto function.
- | Machine equipped genuine branded hydraulic parts.
- | Digital timers, digital temperature controller, shot counter.
- | Emergency push button.
- | Hydraulic circuit designed for low energy consumption & excellent repeatability.
- | Machine operation with low noise.
- | Safe, reliable, low maintenance machine.

### Technical Specifications

Injection Unit	Unit	ABST 60	ABST 100	ABST 150	ABST 200	ABST 300	ABST 500
Shot Weight Capacity	grams	60	100	150	200	300	500
Screw Diameter	mm	30	35	40	40	40	57
Injection Stroke	mm	100	120	150	160	220	230
Injection Rate	c.c./sec	103	145	200	225	260	328
Max. Swept Volume	c.c.	70	114	171	228	342	571
Max. Injection Pressure	kg/cm <sup>2</sup>	1500	1500	1800	1800	2000	2500
Screw Speed	RPM	10:220	10:220	10:220	10:220	10:220	10:220
Hopper Capacity	liters	5	5	7	15	25	25
Screw l/d Ratio	l/d	18:1	18:1	18:1	17:1	17:1	17:1
Mould Clamping Force	ton	20	30	40	50	50	60
Min. Mould Thickness	mm	25	25	50	50	70	70
Max. Mould Thickness	mm	128	150	200	250	250	300
Electric Motor	HP	3	3	5	7.5	7.5	7.5
Heating Unit	Nos.	4	4	4	4	5	5
Floor Space (LxWxH)	inch	27x24x78	27x30x84	30x33x90	30x33x90	33x37x90	33x37x90
Oil Tank Capacity	liters	60	80	100	100	120	120

Actual shot weight will be varied to various materials, all above data are subject to change without notice.



## ABS-VH & ABST Series

Vertical / Horizontal Plastic Injection Moulding Machine

Moulding Technik

