



VERTICAL INJECTION PRESS



Solutions Designed With Your Future In Mind

Since 1935

VERTICAL INJECTION PRESS

Trinks Inc. Vertical Injection Press, also known as (VIP), is primarily used with thermoplastic materials in an overmolding/insert molding process. This press is available in three configurations:

- Single
- Shuttle
- Indexer

Together with its compact, ergonomic design and production shortening options, the small footprint makes this press suitable for short and long-term production molding.

Precision

- Up to 5 velocity injection profiles
- Velocity control with built-in slow down to capture shot size within .001"
- Precision injection control reduces overall scrap
- Ethernet cable provides transducer and compact logic response time to be within 1 ms



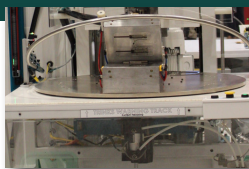
Analytics

- View real time shot size and injection pressure with Trinks database called ProcessEye™
- Provides real time information for immediate process control



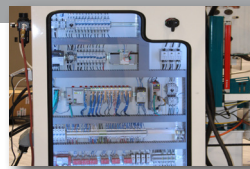
Versatility

- Table configuration is capable of up to 8 molds (dependent on size and weight)
- Multiple Mold Capabilities:
Designed to support two (or more) different size molds provided the same material is being used. For each mold, the height and shot size can be programmed to be different in each cycle.



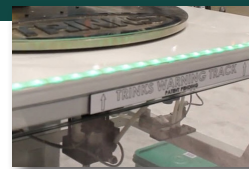
Controls

- Precise temperature control monitors minimum and maximum operation temperatures with PLC heat control
- Speeds and pressures are controlled by the PLC and the proportional servo control valve
- Single transducer controls 3 separate areas of the press



Safety

- Built in laser alignment with guard master relay simplifies set up and maintenance
- Trinks WarningTrack System:
Augments traditional light curtain installations by adding a visual representation of light curtains located directly along the plane of machine entry. 3 color display allows machine to signal safe entry, unsafe entry and impending entry and actively obstructed light curtain conditions.



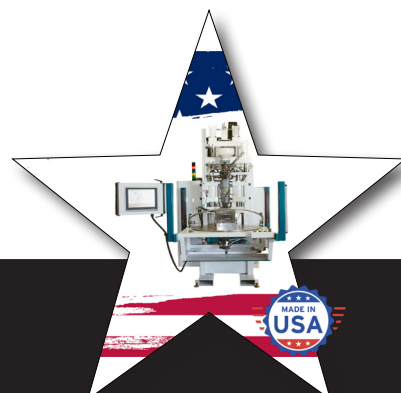
	Specifications	Units	30Ton			60Ton		
Injection Screw	Diameter	mm	16	20	32	32	40	
	Stroke	Inches	4			8		
	Shot Size	Oz.	0.36	0.77	2.88	4.1	8.2	
	Linear Travel Rate	In./Sec.	4.71			4.71		
	Pressure Range	Psi	1,500-28,000	1,500-24,000	1,500-20,000	1,500-30,000	1,500-20,000	
	Rotational Speed	RPM	0-500			0-250		
	Torque	In./Lbs.	1450			2000		
	Clamp	Pressing Tonnage	Tons	30			60	
Force Adjustment Range		Tons	5-30			5-60		
Stroke		Inches	5			7		
Fast Close Speed		In./Min.	100			100		
Pressing Speed		In./Min.	2-19			2-19		
Fast Open Speed		In./Min.	95			95		
Features		Working Height	Inches	37.5			37.5	
		Daylight - Full Open	Inches	8.75			12	
	Daylight - Full Close	Inches	4			5.5		
	Mold Size Capacity	Inches	9 x 8			16 x 10		
	Heat Zones	Qty.	3			4		
	Heat Capacity	KW	2.15			2.15		
	Shipping Weight (Without Oil)	Lbs.	5300			7500		
	Foot Print	Inches	55 Wide x 90 Deep x 124 Tall			81 Wide x 117 Deep x 137 Tall		
Options	Rotary Table							
	Mold Stations	Qty.	6 Total			6 Total		
	Drive		Servo			Servo		
	Dry Cycles		180° in 1.5 Seconds			180° in 3 Seconds		
	Diameter	Inches	35			50		
	Mold Mounting Radius	Inches	13.75			19		
	Max Load	Lbs.	600			1800		
	Height From Floor	Inches	38			38		
	Shuttle							
	Stroke	Inches	25					
Speed	In./Sec.	6						
Height From Floor	Inches	44						

*** Standard models listed above. Custom sizes available per request.

ADDITIONAL OPTIONS

- Closed loop chiller
- Material dryer
- Material loader
- Turn Key Package:

Includes all items listed above along with an approved mold drawing. Also included is a product run off with the mold manufacturer and a Trinks Inc. highly skilled service representative. Note: Our client is responsible for providing the molding materials and inserts. (if required)



www.trinksinc.com

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