VIET PHAT T.E.C.H Co.,Ltd

TRADING - SYSTEM DESIGNED - MANUFACTURING

V.P-TECH®

TRUE NO.1 EXPERT OF HYDRAULIC SYSTEM IN VIET NAM

HYDRAULIC PRESS CATALOG

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How does a hydraulic press work

A hydraulic press works by employing fluid pressure, generated by a pump and motor, to push a cylinder at a set force to compress, assemble, draw, punch, trim, stretch, stamp, and form materials for a variety of industries. The motor pumps the fluid into the cylinder through the cap end port or rod end port, depending on whether the press is extending or retracting. Pressurizing the cap end of the cylinder causes it to extend. Pressurizing the rod end of the cylinder causes it to retract

A hydraulic press can be used to compress, assemble, draw, punch, trim, stretch, stamp, and form materials for a variety of industries to make the products we use every day. Available in an unlimited combination of sizes and frames, presses operate at varying speeds and pressures depending on the application for which they are used. With this versatility, our products can be engineered to benefit all industries—below are just a few industries that we serve:

- Construction
- Plastic & Rubber
- Waste management
- Metal processing
- Appliances production

Benefits of a hydraulic press

A hydraulic press offers several primary benefits, including full tonnage throughout the stroke, customization, flexibility, and longer tool life.

A hydraulic press's greatest advantage is the variable stroke. Because the stroke is programmable, it can achieve full tonnage anywhere throughout the stroke. The principles of hydraulic force inherently allow for customization, flexibility, and creative engineering. Due to the programmability of the system, hydraulic presses can meet both simple and complex forming requirements. Hydraulics allow for unique press designs including down-acting, up-acting, side-acting, and multi-action operations. Power systems can be placed above, below, or adjacent to the press. Large presses can be designed for low-tonnage applications, and small presses can be designed for high-tonnage applications. Additionally, hydraulic press tooling is developed to fit the application, not the press. And because hydraulic presses use relief valves to protect against overloading, no undue stress on the tooling occurs.

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VP-CF Series

C – Frame Hydraulic Press

- Almost all applications, such as straightening, assembling, bending, stamping, riveting, press-fit and so on.
- The heavy welded and rib-reinforced frame
- The open C-frame construction
- Double rod high speed cylinder and top mounted hydraulics
- All parameters(tonnage, stroke, daylight, work table size, so on) can be customized.
- Internet interface remote facility checking system
- One year repair service for free

	UNIT	VP-CF25	VP-CF40	VPH-CF63	VPH-CF100	VPH-CF160
Tonnage	Ton	25	40	63	100	160
Cylinder Stroke	mm	350	400	500	500	500
Daylight	mm	550	600	630	800	1000
Down Speed	mm/sec	125	135	135	135	120
Pressing Speed	mm/sec	8-15	8-15	8-15	8-15	8-15
Return Speed	mm/sec	110	100	100	90	90
Table Size	mm	500*600	550*700	650*700	650*800	650*800
Motor Power	KW	5.5	5.5	5.5	7.5	15
Overall Dimension	mm	1280*755*2200	1370*760*2250	1520*760*2550	1570*840*2670	1680*1000*2800
Weight	Kg	2000	2500	3000	4000	6800

Application riveting, punching material samples

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VP-HF Series

H – Frame Hydraulic Press

- Almost all applications, such as straightening, assembling, bending, stamping, riveting, press-fit and so on.
- The heavy welded and rib-reinforced frame
- The H-frame construction
- All parameters(tonnage, stroke, daylight, work table size, so on) can be customized.
- Internet interface remote facility checking system
- One year repair service for free

	UNIT	VP-HF100	VP-HF250	VP-HF315	VP-HF500	VP-HF630
Tonnage	Ton	100	250	315	500	630
Cylinder Stroke	mm	500	700	800	900	900
Daylight	mm	900	1100	1250	1500	1500
Down Speed	mm/sec	150	150	150	140	140
Pressing Speed	mm/sec	10-15	10-15	10-15	10-15	10-15
Return Speed	mm/sec	150	150	140	140	140
Table Size	mm	1000*1000	1000*1000	1200*1200	1400*1400	1500*1500
Motor Power	KW	11	18.5	22	22*2	22*2
Overall Dimension	mm					
Weight	Kg					

Application riveting, punching material samples

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TRADING - SYSTEM DESIGNED - MANUFACTURING

VP-4P Series

4 Posts Frame Hydraulic Press

- Almost all applications, such as Riveting, Punching, Streaming, cutting etc.
- The heavy welded and rib-reinforced frame
- Four columns structure
- Double rod high speed cylinder and top mounted hydraulics
- All parameters(tonnage, stroke, daylight, work table size, so on) can be customized.
- Internet interface remote facility checking system
- One year repair service for free

	UNIT	VP-HF100	VP-HF250	VP-HF315	VP-HF500	VP-HF630
Tonnage	Ton	100	250	315	500	630
Cylinder Stroke	mm	500	700	800	900	900
Daylight	mm	900	1100	1250	1500	1500
Down Speed	mm/sec	150	150	150	140	140
Pressing Speed	mm/sec	10-15	10-15	10-15	10-15	10-15
Return Speed	mm/sec	150	150	140	140	140
Table Size	mm	1000*1000	1000*1000	1200*1200	1400*1400	1500*1500
Motor Power	KW	11	18.5	22	22*2	22*2
Overall Dimension	mm					
Weight	Kg					

Application riveting, punching material samples

VIET PHAT T.E.C.H Co.,Ltd
TRADING - SYSTEM DESIGNED - MANUFACTURING

VP-CMSA

CUSTOM-MADE SPECIAL APPLICATION HYDRAULIC PRESS

V.P-TECH's design team has extensive expertise in the design of custom hydraulic machines for highly specialized applications. Working closely with the customer, our designers are able to develop a product that meets or exceeds the requirements of the application. Below are specialized hydraulic machines designed and manufactured by V.P-TECH.

Let's tell us about your **special application requirements!**