

LTKW36-315T STRAIGHT SIDE DOUBLE POINT PRESS <<<<

This press is equipped with a wet clutch and a stronger H frame body. The symmetrical front-rear column structure design minimizes deflection and is most suitable for precision progressive die applications. No inherent angular deflection, which significantly extends die life and reduces cost of tooling maintenance. High rigidity structure ensures consistent dynamic precision. High torque, enclosed wet clutch brake unit requires minimal maintenance, eliminates noise and pollution caused by airborne particles, and significantly extends lining life. The press is designed to allow simple integration with automated auxiliary equipment.



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Main characteristics

I. STANDARD CONFIGURATION

- 1.1 World high-tech wet clutch (Japanese technology)
- 1.2 Hydraulic overload protecting device
- 1.3 Auto lubrication system
- 1.4 Balance cylinder for slide and upper die
- 1.5 Numerical die displayer
- 1.6 Joint for miss-feeding
- 1.7 Touch screen
- 1.8 Crankshaft angle indicator
- 1.9 Rotary cam controller
- 1.10 Rotary coder
- 1.11 Movable operating desk
- 1.12 Auto slide adjustment device
- 1.13 PLC
- 1.14 Slide upside stripping material device
- 1.15 Air-blowing system
- 1.16 Light curtain
- 1.17 Anti-vibration pad



II. OPTIONAL PARTS

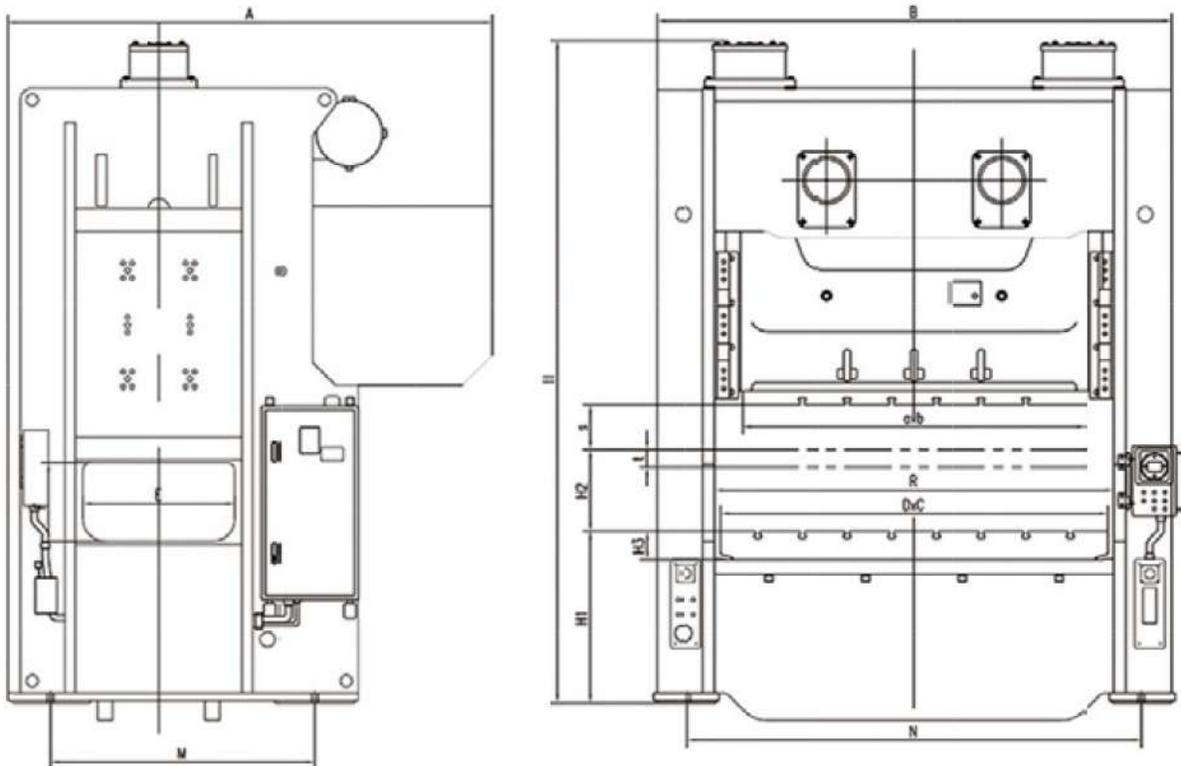
- 2.1 Die cushion
- 2.2 Inverter
- 2.3 Foot switch
- 2.4 Die quick change device



III. FEATURES

- 3.1 Welded steel plate framework, H frame body, high intensity and rigidity
 - 3.2 Double crankshaft pitmen totally eliminating side forces by reverse rotation
 - 3.3 Combined wet multi discs friction clutch and brake
 - 3.4 Hydraulic overload protecting device
 - 3.5 Eight-side lengthen guide with high precision
 - 3.6 Electric die height adjust ment with digital display
 - 3.7 Electric cam device with intelligent top dead center stop function and several safety function
 - 3.8 Balancing cylinder adopts manual lubrication system
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IV. DIMENSION DRAWING



V. TECHNICAL PARAMETER

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TECHNICAL PARAMETER	CODE	UNIT	LTKW36-315
Nominal Capacity	Pe	Kn	3150
Nominal Stroke	Sp	mm	7
Slide Stroke	S	mm	280
Stroke/Minute Variable	n	spm	20-35
Max. Die Height	H2	mm	550
Die Height Adjustment	t	mm	120
Column Distance	G	mm	3120
Bolster Size (F/B x L/R)	DxC	mm	3000 x 1200
Bolster Thickness	H3	mm	190
Side Opening Size (F/B x H)	ExF	mm	940 x 500
Height from Bolster to Ground	H1	mm	1285
Overall Size (F/B x L/RxH)	AxBxH	mm	base on design
Motor Power		Kw	37
Weight		Kg	51000

*Our products are improved continuously,
the above information is subject to change without notice.

VI. DETAILS



6.1 Steel welded body with high rigidity

The main body is welded with high quality steel plate. Then it will be heat treated and ball blasting treated to release the stress and improve the rigidity. The best boring and milling machine ensures the high precision of the body.



6.2 High torque low noise wet clutch

World produce the wet clutch. We use the best seals, bearing and friction discs. The wet clutch features lower noise and longer service life.



6.3 Double crankshafts

Double crankshaft pitmen totally eliminate side forces by reverse rotation. The bigger table and slide area is better for big sheet metal punching or bending, etc.



6.4 High precision slider with hydraulic overload pump

The eight faces guide rails provide higher accuracy and stability. The hydraulic overload pump can protect the press and the die if overload. You can reset the overload pump by the touch screen easily. A thin brake motor is equipped on the slide to adjust the slide easily.



6.5 Easy and safe control

The control panel includes double hand buttons and emergency stop button. And foot pedal control switch is optional. The touch screen includes the counter, crankshaft angle displayer, control switches and alarm lights. You can set the press with the touch screen and any defaults of the press can be checked with it.

Hydraulic overload protected pump is used to protect the press and the die if the machine is overloaded. You can reset the overload with the switch on the touch screen easily.

The press has both electric cam controller and mechanical cam controller. The mechanical cam controller can still work if the electric one stops service. And you can select the cam by the touch screen too.



6.6 Separate electric box avoid shocking influence

The press is equipped with a separate electric box to avoid the shocking influence. Famous brand PLC and contactors ensure better stability and reliability.



6.7 High precision processing equipment

Italy PAMA boring & milling machine ensures the high precision of the press frame and slide.

VII. COMPONENT LIST

NAME	SLAVE UNIT	SUPPLIER	FUNCTION
Wet Clutch-brake	Clutch	WORLD	An Important part on the press machine, who can store energy and stop the machine at any position.
Double solenoid valve	Air line	Japan TOYOOKI	Pneumatic control component for clutch and brake.
PLC	Electrics	Japan Panasonic	PLC electrical control system is the electric hub controlling all action of the press machine.
A.C. contactor	Electrics	SIEMENS	Electrical control component

NAME	SLAVE UNIT	SUPPLIER	FUNCTION
Rotary encode	Electrics	Omron	Measurement of slider adjustment height
Control button	Electrics	Schneider	Electrical control component
Counter	Electrics	Japan Panasonic	To count the pressed work piece
Displayer	Electrics	Jidong Jinsong	Die set height displayer
FR&L	Air line	Shanghai Xinyi	It is air control element for air filtering and pressure adjusting
Motor	Drive system	Siemens	Power source of the machine
Electric oil pump	Lubrication	Nanjing Beiqier	Lubrication system control all lubricating points of the machine
Slide overload protector	Slider	Japan SHOWA	Prevent overload of the press machine, stop the machine automatically when overload and will signaling
Incremental angle encoder	Electrics	Italy ELTRA	Electronic angle display achieve single and continuous function of the press machine
Cam controller	Electrics	Omron	Mechanical angle display achieve single and continuous function of the press machine
Slider piston seals	Slider system	Japan NOK	
Two-hand buttons	Electrics	Japan IDEC	Both hands push the button to start the slider, prevent 1 hand in the working area while the other hand start the slider
Pressure switches	Air line	Korean ARK	Control the air source pressure to ensure the machine working pressure. Stop the machine automatically when pressure is lower than the set pressure.
Human machine interface	Electrics	Japan Panasonic	Set and display the operation parameter of the machine