

Creative motivation  
Innovative activity  
The best brand of press machine



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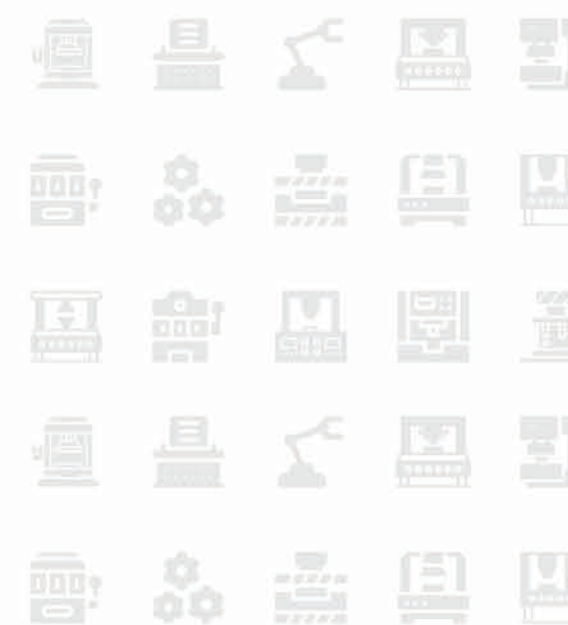
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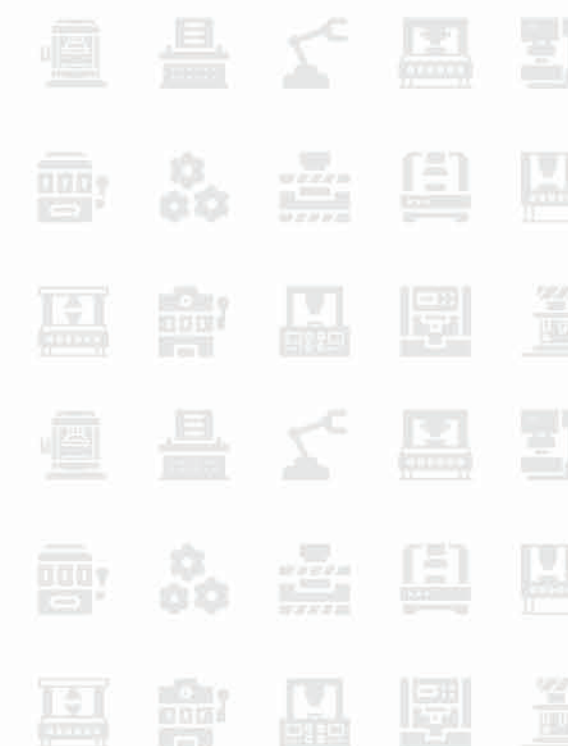
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Korea Machinery Corp.



**K**orea  
**m**achinery  
**C**orp.





## Creative motivation Innovative activity The best brand of press machine

KMC plays a leader in high precision stamping processing, which is the basis of automobiles, electronics and all industries and we want to be the pioneer of foundation for the industrial development in Korea and around the world.

## CEO Greeting

### KMC, A Leader in Press Machinery Industry

Since 1970 as Woojin Machinery and renamed to KMC in 1999, KMC has been a strong advocate to the Korean Press machinery industry's development.

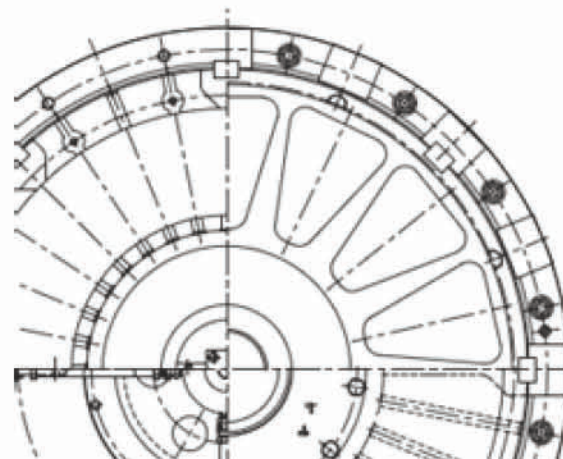
Due to the emergence of light weighted automobiles and a rapid transition from combustion to the electricity and hydrogen fuel, we are aware that metal precision industry also need to adapt and well follow the trends.

As such, we the KMC are constantly working to adapt to the new trend by generalizing special press and introducing the larger scale processing equipment to the market.

We will continue to do our best under the corporate motto 'The best quality and prospective future is achieved only by the solid fundamental, Communication, Respects and Cooperation' and follow the production protocol, have flow communication with the clients and ensure the quality through the mutual respects and cooperation among our employees.

Thank you.

CEO of KMC., Ltd.  
Jaehyun Kwon



## History

### 1970-1990

- 1970. 03 Established Woo Jin Mechanic
- 1979. 10 Developed Deep Drawing Press
- 1980. 02 Developed Single Crank Press and Double Crank Press
- 1984. 10 Developed 500Ton Trimming Press
- 1985. 09 Developed over sized Crankless Press (KCL)
- 1988. 06 Developed Knuckle Joint Forging Press (KKF)
- 1989. 12 Developed over sized Link Motion Press (KLM)

### 1990-2000

- 1992. 03 Developed Transfer Press in two-way of 2 and 3 dimensional C-Type
- 1992. 11 Developed Servo Transfer Press in two-way of 2 and 3 dimensional over-sized(600Ton) First Developed in Korea  
Received IR-52 Jang Young-sil Award (Bolster size : 5,000 × 1,400)
- 1995. 02 Developed C-type Link Motion Press (KSL)
- 1999. 02 Renamed to KMC., Ltd.
- 2000. 03 Obtained CE Mark (Declared by EU) / Obtained S-Mark (Declared by Korea Occupational Safety and Health Agency)

### 2000-2010

- 2001. 12 Produced 6000 Ton Press Line of NNA Corp in USA jointly with IHI from Japan
- 2002. 06 Installed 1500P4M Link-Motion Press(KLM-1500P4) Tandem-Line
- 2004. 05 Installed Blanking Press (KCLB)
- 2005. 12 Installed a set of KOMATSU Press Slide Ass'y 60
- 2006. 10 Installed SEMI-H Type Double Crank (KDH) 500Ton Press
- 2007. 10 Installed KCL 2000Ton, T/OUT Press
- 2008. 03 Installed POSCO Blanking Press (KCLB) 800Ton

### 2010-2021

- 2011. 01 Installed SAMSUNG 700Ton / 500Ton / 300Ton Line
- 2011. 12 Installed H-Type Double Crank Link Press (KSDL) 600Ton
- 2012. 01 Installed SEMI-H Type Double Crank (KDH) 600Ton Press
- 2012. 02 Founded KMC Institute of Technology
- 2012. 12 Developed and installed SEMI-H Type single Crank (KSH) 400Ton and developed 500Ton
- 2013. 05 Developed and installed SEMI-H Type Double Link Press (KDHL) 500 and 600Ton
- 2013. 12 Developed C-Type 350 Ton Crank Press (KS-350)
- 2014. 06 Developed C-Type 350 Ton Link Press (KSL-350)
- 2014. 12 Developed SEMI-H Type Single Link Press (KSHL) 400Ton and 500Ton
- 2015. 08 Developed Cleveland Type (KLM) High-Speed Link Press
- 2016. 05 Establishment of large five face machining center processing equipment(SNK-HF7M)
- 2016. 10 Developed and installed SEMI-H Type Double Crank (KDH) 800 Ton Press
- 2019. 12 'The 56th Trade Day' received Export Prize (From the ulsan metropolitan city mayor)
- 2020. 01 Developed the C-Type 400Ton Crank Press(KS-400B)
- 2021. 11 Installed the C-Type 400Ton Crank Press(KS-400B) Unit No. 9









# C-Type Single Crank Press

KS-B Series 110/150/200/250/300/400

- Suitability for extensive sheet metal working of blanking, piercing, stamping, etc.
- This 6 phases structure guide type is unaffected by eccentric axial loading and shows exceptional precision
- Guarantees reliability and high torque via wet multi type clutch / brake
- Protects the mold and press by using Hydraulic overload protector system
- Improves equipment by adding a touch screen on the pendant shaped control which shows mechanical info, abnormalities, etc.



- ▶ Slide adjustment system
- ▶ Photoelectric safety device
- ▶ Recirculating auto oil lubrication system
- ▶ Air ejector

## ▶ Standard Specifications

Specification	Unit	KS-110B	KS-150B	KS-200B	KS-250B	KS-300B	KS-400B
Capacity	ton	110	150	200	250	300	400
Limit of Capacity	mm	7	7	7	7	7	7
Stroke	mm	180	200	250	250	300	350
Number of Stroke	spm	50	45	40	35	30	30
Die Height	mm	410	480	500	550	600	600
Adjustment of Slide	mm	100	100	120	120	150	150
Area of Slide	mm	1,000 × 580	1,150 × 600	1,300 × 650	1,400 × 750	1,500 × 800	1,600 × 900
Area of Bolster	mm	1,100 × 680	1,250 × 760	1,400 × 850	1,600 × 920	1,700 × 1,000	1,800 × 1,100
Working Height	mm	900	900	950	1,000	1,050	1,050
Main Motor	kw × p	15 × 4	15 × 4	18.5 × 4	22 × 4	30 × 4	30 × 4
Adjusting Motor	kw × p	0.75 × 4	1.5 × 4	1.5 × 4	1.5 × 4	1.5 × 4	3.7 × 4
<b>Die Cushion(Optional)</b>							
Capacity	ton	8	8	10	12	16	20
Stroke	mm	70	70	100	120	160	160
Pad Area	mm	420 × 300	420 × 300	420 × 300	570 × 420	600 × 460	600 × 460
Air Pressure	kg/cm <sup>2</sup>	5.5	5.5	5.5	5.5	5.5	5.5

## ▶ Features

- Equipped with wet type clutch and brake system
- Good durability for long time continuous working
- Driving mechanism offer dynamic accuracy while working
- Good workability for sheet metal working such as blanking, piercing, stamping

## ▶ Option Item

- A.C Inverter / V.S Motor
- Die cushion
- Anti-vibration unit
- Quick Die Change System
- Knock out device
- Auto transfer device
- Short Stroke High Speed
- Long Stroke



# C-Type Double Crank Press

KD Series 200/250/300/400

- Suited for transfer, progressive work because of its wide slide and bolster plate
- This 6 phases structure guide type is unaffected by eccentric axial loading and shows exceptional precision
- Guarantees reliability and high torque via wet multi type clutch / brake
- Protects the mold and press by using Hydraulic overload protector system
- Improves equipment by adding a touch screen on the pendant shaped control which shows mechanical info, abnormalities, etc.



- ▶ Slide adjustment system
- ▶ Photoelectric safety device
- ▶ Recirculating auto oil lubrication system
- ▶ Air ejector

## ▶ Standard Specifications

Specification	Unit	KD-200	KD-250	KD-300	KD-400
Capacity	ton	200	250	300	400
Limit of Capacity	mm	7	7	7	7
Stroke	mm	200	250	300	350
Number of Stroke	spm	35	35	30	30
Die Height	mm	480	550	600	600
Adjustment of Slide	mm	120	120	150	150
Area of Slide	mm	2,200 × 850	2,500 × 900	2,600 × 900	2,700 × 1,000
Area of Bolster	mm	2,500 × 900	2,700 × 950	2,800 × 1,000	2,900 × 1,100
Working Height	mm	950	1,000	1,050	1,050
Main Motor	kw × p	18.5 × 4	22 × 4	30 × 4	37 × 4
Adjusting Motor	kw × p	2.2 × 4	2.2 × 4	3.7 × 4	3.7 × 4
<b>Die Cushion(Optional)</b>					
Capacity	ton	10 × 2	12.5 × 2	12.5 × 2	15 × 2
Stroke	mm	120	130	160	160
Pad Area	mm	1,600 × 500	1,750 × 550	1,800 × 560	1,900 × 720
Air Pressure	kg/cm <sup>2</sup>	5.5	5.5	5.5	5.5

## ▶ Features

- Equipped with wet type clutch and brake system
- Good durability for long time continuous working
- Better workability for large size product
- Good combination for automation and rationalization

## ▶ Option Item

- A.C Inverter / V.S Motor
- Die cushion
- Anti-vibration unit
- Quick Die Change System
- Knock out device
- Auto transfer device
- Short Stroke High Speed
- Long Stroke





# SEMI-H Type Single Crank Press

KSH Series 150/200/250/300/400/500/600

The SEMI-H type which solved the widening of the C frame is an exceptional product due to its sturdy frame and structure

- Precision increased and problems with C-Type frame solved
- This 8 phases structure guide type is unaffected by eccentric axial loading and shows exceptional precision
- Guarantees reliability and high torque via wet multi type clutch / brake
- Protects the mold and press by using Hydraulic overload protector system
- Improves equipment by adding a touch screen on the pendant shaped control which shows mechanical info, abnormalities, etc.



- ▶ Slide adjustment system
- ▶ Photoelectric safety device
- ▶ Recirculating auto oil lubrication system
- ▶ Air ejector

## ▶ Standard Specifications

Specification	Unit	KSH-150	KSH-200	KSH-250	KSH-300	KSH-400	KSH-500	KSH-600
Capacity	ton	150	200	250	300	400	500	600
Limit of Capacity	mm	7	7	7	7	7	7	7
Stroke	mm	200	250	250	300	300	350	350
Number of Stroke	spm	45	40	35	35	30	30	30
Die Height	mm	480	500	550	600	600	700	700
Adjustment of Slide	mm	100	120	120	150	150	150	150
Area of Slide	mm	1,150 × 600	1,300 × 650	1,400 × 750	1,500 × 800	1,600 × 900	1,700 × 950	1,800 × 1,000
Area of Bolster	mm	1,250 × 760	1,400 × 850	1,600 × 920	1,700 × 1,000	1,800 × 1,100	1,900 × 1,100	2,000 × 1,200
Working Height	mm	900	900	950	1,000	1,050	1,100	1,100
Main Motor	kw × p	15 × 4	18.5 × 4	22 × 4	30 × 4	37 × 4	45 × 4	55 × 4
Adjusting Motor	kw × p	1.5 × 4	1.5 × 4	1.5 × 4	2.2 × 4	3.7 × 4	3.7 × 4	5.5 × 4
<b>Die Cushion(Optional)</b>								
Capacity	ton	8	10	12	16	20	20	20
Stroke	mm	70	100	120	120	160	160	160
Pad Area	mm	420 × 300	420 × 420	570 × 420	600 × 460	600 × 460	800 × 520	800 × 520
Air Pressure	kg/cm <sup>2</sup>	5.5	5.5	5.5	5.5	5.5	5.5	5.5

## ▶ Features

- Equipped with wet type clutch and brake system
- Good durability for long time continuous working
- Driving mechanism offer dynamic accuracy while working
- Good workability for sheet metal working such as blanking, piercing, stamping

## ▶ Option Item

- A.C Inverter / V.S Motor
- Die cushion
- Anti-vibration unit
- Quick Die Change System
- Knock out device
- Auto transfer device
- Short Stroke High Speed
- Long Stroke



# SEMI-H Type Double Crank Press

KDH Series 250/300/400/500/600/800

The SEMI-H type which solved the widening of the C frame is an exceptional product due to its sturdy frame and structure

- Precision increased and problems with C-Type frame solved
- Suited for transfer, progressive work because of its wide slide and bolster plate
- This 8 phases structure guide type is unaffected by eccentric axial loading and shows exceptional precision
- Guarantees reliability and high torque via wet multi type clutch / brake
- Protects the mold and press by using Hydraulic overload protector system
- Improves equipment by adding a touch screen on the pendant shaped control which shows mechanical info, abnormalities, etc.



- ▶ Slide adjustment system
- ▶ Photoelectric safety device
- ▶ Recirculating auto oil lubrication system
- ▶ Air ejector

## ▶ Standard Specifications

Specification	Unit	KDH-250	KDH-300	KDH-400	KDH-500	KDH-600	KDH-800
Capacity	ton	250	300	400	500	600	800
Limit of Capacity	mm	7	7	7	6	6	6
Stroke	mm	250	300	300	350	350	350
Number of Stroke	spm	35	35	30	30	30	30
Die Height	mm	550	600	700	700	700	800
Adjustment of Slide	mm	120	150	150	150	150	150
Area of Slide	mm	2,500 × 800	2,600 × 900	2,700 × 1,100	2,900 × 1,200	2,900 × 1,200	3,100 × 1,300
Area of Bolster	mm	2,600 × 900	2,700 × 1,000	2,800 × 1,200	3,000 × 1,300	3,000 × 1,300	3,200 × 1,400
Working Height	mm	1,000	1,100	1,200	1,300	1,400	1,500
Main Motor	kw × p	15 × 4	30 × 4	37 × 4	45 × 4	55 × 4	75 × 4
Adjusting Motor	kw × p	2.2 × 4	3.7 × 4	3.7 × 4	5.5 × 4	5.5 × 4	5.5 × 6
<b>Die Cushion(Optional)</b>							
Capacity	ton	12.5 × 2	12.5 × 2	15 × 2	15 × 2	15 × 2	15 × 2
Stroke	mm	130	130	150	150	150	150
Pad Area	mm	1,750 × 550	1,750 × 550	1,900 × 720	1,900 × 720	1,900 × 720	1,900 × 720
Air Pressure	kg/cm <sup>2</sup>	5.5	5.5	5.5	5.5	5.5	5.5

## ▶ Features

- Equipped with wet type clutch and brake system
- Good durability for long time continuous working
- Better workability for large size product
- Good combination for automation and rationalization

## ▶ Option Item

- A.C Inverter / V.S Motor
- Die cushion
- Anti-vibration unit
- Quick Die Change System
- Knock out device
- Auto transfer device
- Short Stroke High Speed
- Long Stroke





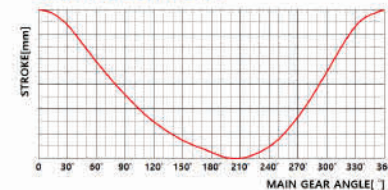
# SEMI-H Type Single Crank Link Press

KSHL Series 150/200/250/300/400/500

The SEMI-H type which solved the widening of the C frame is an exceptional product due to its sturdy frame and structure

- Precision increased and problems with C-Type frame solved
- Exceptional plastic working, and shows high efficiency compared to crank press
- Guarantees reliability via improved link
- This 8 phases structure guide type is unaffected by eccentric axial loading and shows exceptional precision
- Guarantees reliability and high torque via wet multi type clutch / brake
- Protects the mold and press by using Hydraulic overload protector system
- Improves equipment by adding a touch screen on the pendant shaped control which shows mechanical info, abnormalities, etc.
- Apt for high quality product production
- Reduces impact and extends mold life

## Slide Motion-curve



- ▶ Slide adjustment system
- ▶ Photoelectric safety device
- ▶ Recirculating auto oil lubrication system
- ▶ Air ejector

## Standard Specifications

Specification	Unit	KSHL-150	KSHL-200	KSHL-250	KSHL-300	KSHL-400	KSHL-500
Capacity	ton	150	200	250	300	400	500
Limit of Capacity	mm	7	7	7	7	7	7
Stroke	mm	200	250	250	300	350	350
Number of Stroke	spm	45	40	35	35	30	30
Die Height	mm	480	500	550	600	600	700
Adjustment of Slide	mm	100	120	120	150	150	150
Area of Slide	mm	1,150 × 600	1,300 × 650	1,400 × 750	1,500 × 900	1,600 × 900	1,700 × 1,000
Area of Bolster	mm	1,250 × 760	1,400 × 850	1,600 × 920	1,700 × 1,000	1,800 × 1,100	1,900 × 1,200
Working Height	mm	900	900	950	1,000	1,050	1,100
Main Motor	kw × p	15 × 4	18.5 × 4	22 × 4	30 × 4	30 × 4	45 × 4
Adjusting Motor	kw × p	1.5 × 4	1.5 × 4	1.5 × 4	2.2 × 4	3.7 × 4	3.7 × 4
<b>Die Cushion(Optional)</b>							
Capacity	ton	8	10	12	16	20	20
Stroke	mm	70	100	120	120	160	160
Pad Area	mm	420 × 300	420 × 420	570 × 420	600 × 460	600 × 460	800 × 520
Air Pressure	kg/cm <sup>2</sup>	5.5	5.5	5.5	5.5	5.5	5.5

## Features

- Performance : Used for drawing work and is useful for high BDC(Bottom Dead Center).
- Efficiency : Work speed slows down on the working part.
- Product forming : Useful for forming because of its slow and steady axle speed.
- Productivity : Able to improve cycle time by setting slow processing speed and faster elevation speed of the press.  
The cycle time is affected by elevation speed in the automated operation.
- Mechanical Vibration : Vibrations such as blanking are reduced due to slower working speed.

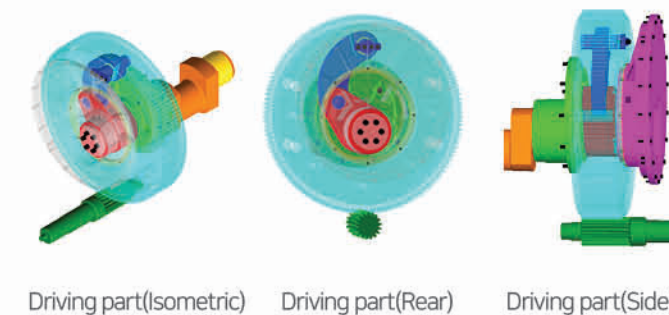
## Option Item

- A.C Inverter / V.S Motor
- Die cushion
- Anti-vibration unit
- Quick Die Change System
- Knock out device
- Auto transfer device
- Short Stroke High Speed
- Long Stroke

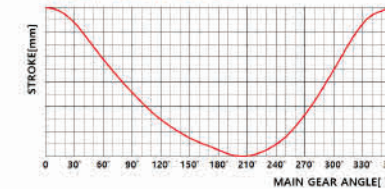


# SEMI-H Type Double Crank Link Press

KDHL Series 250/300/400/500/600/800



## Slide Motion-curve



- ▶ Slide adjustment system
- ▶ Photoelectric safety device
- ▶ Recirculating auto oil lubrication system
- ▶ Air ejector

## Standard Specifications

Specification	Unit	KDHL-250	KDHL-300	KDHL-400	KDHL-500	KDHL-600	KDHL-800
Capacity	ton	250	300	400	500	600	800
Limit of Capacity	mm	7	7	7	6	6	6
Stroke	mm	250	300	300	350	350	350
Number of Stroke	spm	35	35	30	30	30	30
Die Height	mm	550	600	700	700	700	800
Adjustment of Slide	mm	120	150	150	150	150	150
Area of Slide	mm	2,500 × 800	2,600 × 900	2,700 × 1,100	2,900 × 1,200	2,900 × 1,200	3,100 × 1,300
Area of Bolster	mm	2,600 × 900	2,700 × 1,000	2,800 × 1,200	3,000 × 1,300	3,000 × 1,300	3,200 × 1,400
Working Height	mm	1,000	1,100	1,200	1,300	1,400	1,500
Main Motor	kw × p	22 × 4	30 × 4	37 × 4	45 × 4	55 × 4	75 × 4
Adjusting Motor	kw × p	2.2 × 4	3.7 × 4	3.7 × 4	5.5 × 4	5.5 × 4	5.5 × 6
<b>Die Cushion(Optional)</b>							
Capacity	ton	12.5 × 2	12.5 × 2	15 × 2	15 × 2	15 × 2	15 × 2
Stroke	mm	130	130	150	150	150	150
Pad Area	mm	1,750 × 550	1,750 × 550	1,900 × 720	1,900 × 720	1,900 × 720	1,900 × 720
Air Pressure	kg/cm <sup>2</sup>	5.5	5.5	5.5	5.5	5.5	5.5

## Features

- Performance : Used for drawing work and is useful for high BDC(Bottom Dead Center).
- Efficiency : Work speed slows down on the working part.
- Product forming : Useful for forming because of its slow and steady axle speed.
- Productivity : Able to improve cycle time by setting slow processing speed and faster elevation speed of the press.  
The cycle time is affected by elevation speed in the automated operation.
- Mechanical Vibration : Vibrations such as blanking are reduced due to slower working speed.

## Option Item

- A.C Inverter / V.S Motor
- Die cushion
- Anti-vibration unit
- Quick Die Change System
- Knock out device
- Auto transfer device
- Short Stroke High Speed
- Long Stroke



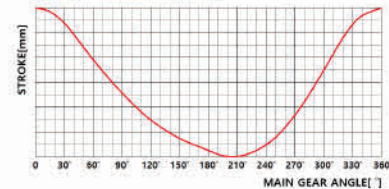


# C-Type Single Crank Link Press

KSL Series 150/200/250/300/400

- Exceptional plastic working, and shows high efficiency compared to crank press
- Guarantees reliability via improved link
- This 6 phases structure guide type is unaffected by eccentric axial loading and shows exceptional precision
- Guarantees reliability and high torque via wet multi type clutch / brake
- Protects the mold and press by using Hydraulic overload protector system
- Improves equipment by adding a touch screen on the pendant shaped control which shows mechanical info, abnormalities, etc.
- Apt for high quality product production
- Reduces impact and extends mold life

## Slide Motion-curve



- ▶ Slide adjustment system
- ▶ Photoelectric safety device
- ▶ Recirculating auto oil lubrication system
- ▶ Air ejector

## Standard Specifications

Specification	Unit	KSL-150	KSL-200	KSL-250	KSL-300	KSL-400
Capacity	ton	150	200	250	300	400
Limit of Capacity	mm	7	7	7	7	7
Stroke	mm	200	250	250	300	350
Number of Stroke	spm	45	40	35	30	30
Die Height	mm	480	500	550	600	600
Adjustment of Slide	mm	100	120	120	150	150
Area of Slide	mm	1,150 × 600	1,300 × 650	1,400 × 750	1,500 × 800	1,600 × 900
Area of Bolster	mm	1,250 × 760	1,400 × 850	1,600 × 920	1,700 × 1,000	1,800 × 1,100
Working Height	mm	900	950	1,000	1,050	1,050
Main Motor	kw × p	15 × 4	18.5 × 4	22 × 4	30 × 4	30 × 4
Adjusting Motor	kw × p	1.5 × 4	1.5 × 4	1.5 × 4	1.5 × 4	3.7 × 4
<b>Die Cushion(Optional)</b>						
Capacity	ton	8	10	12	16	20
Stroke	mm	70	100	120	160	160
Pad Area	mm	420 × 300	420 × 300	570 × 420	600 × 460	600 × 460
Air Pressure	kg/cm <sup>2</sup>	5.5	5.5	5.5	5.5	5.5

## Features

- Performance : Used for drawing work and is useful for high BDC(Bottom Dead Center).
- Efficiency : Work speed slows down on the working part.
- Product forming : Useful for forming because of its slow and steady axle speed.
- Productivity : Able to improve cycle time by setting slow processing speed and faster elevation speed of the press.
- The cycle time is affected by elevation speed in the automated operation.
- Mechanical Vibration : Vibrations such as blanking are reduced due to slower working speed.

## Option Item

- A.C Inverter / V.S Motor
- Die cushion
- Anti-vibration unit
- Quick Die Change System
- Knock out device
- Auto transfer device
- Short Stroke High Speed
- Long Stroke



# Knuckle Joint Press

KKF Series 250/400/650/800/1000

## Strong H-type frame structure.

Mounted the knuckle part on the driving part is for slow processing speed at the bottom dead center.

It is advantageous for precise pressing process and perfect for cold / hot rolling, forging, precise piercing and fine blanking.

- Hydraulic overload protector system
- Slide adjustment system
- Recirculating auto oil lubrication system
- Manual grease pump system
- 8 phases structure
- Strong frame guaranteeing motional precision
- Air ejector
- Preset counter
- Efficiency increased for operations such as Coining, Embossing, etc.



## Standard Specifications

Specification	Unit	KKF-250	KKF-400	KKF-650	KKF-800	KKF-1000
Capacity	ton	250	400	650	800	1,000
Limit of Capacity	mm	6	8	10	13	15
Stroke	mm	140	160	180	220	250
Number of Stroke	spm	50	45	40	35	30
Die Height	mm	550	650	750	800	900
Adjustment of Slide	mm	50	50	50	50	50
Area of Slide	mm	820 × 900	900 × 1,000	1,050 × 1,150	1,300 × 1,200	1,300 × 1,200
Area of Bolster	mm	820 × 1,000	900 × 1,000	1,050 × 1,150	1,300 × 1,200	1,300 × 1,200
Working Height	mm	850	850	850	850	850
Main Motor	kw × p	22 × 4	45 × 4	75 × 4	90 × 4	110 × 4

## Features

- Sturdy enough for long-term operation
- Efficiency increased due to an addition of knuckle joints and customized BDC(Bottom Dead Center)
- Efficiency increased for operations such as Coining, Embossing, etc.

## Option Item

- DC Motor
- Die Cushion
- Anti-vibration unit
- Quick Die Change System (Programmable Logic Controller)
- Knock out device
- Auto transfer device
- PLC system

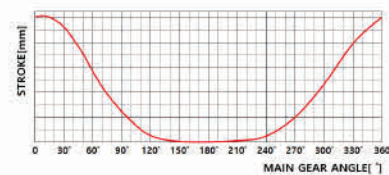




# SEMI-H Type Single Knuckle Press

KSHK Series 150/200/250/300/400/500

- Precision increased and problems with C-Type frame solved
- Useful for Press work due to use of knuckle joints
- Guarantee slide path and maintain precision via plunger guide
- This 8 phases structure guide type is unaffected by eccentric axial loading and shows exceptional precision
- Guarantees reliability and high torque via wet multi type clutch / brake
- Protects the mold and press by using Hydraulic overload protector system
- Improves equipment by adding a touch screen on the pendant shaped control which shows mechanical info, abnormalities, etc.
- Apt for high quality product production
- Reduces impact and extends mold life
- Slide Motion-curve



- ▶ Slide adjustment system
- ▶ Photoelectric safety device
- ▶ Recirculating auto oil lubrication system
- ▶ Air ejector

## Standard Specifications

Specification	Unit	KSHK-150	KSHK-200	KSHK-250	KSHK-300	KSHK-400	KSHK-500
Capacity	ton	150	200	250	300	400	500
Limit of Capacity	mm	7	7	7	7	7	7
Stroke	mm	150	180	200	250	300	300
Number of Stroke	spm	50	50	40	40	35	35
Die Height	mm	480	500	550	600	600	650
Adjustment of Slide	mm	100	120	120	150	150	150
Area of Slide	mm	1,100 × 600	1,200 × 700	1,300 × 800	1,500 × 800	1,500 × 900	1,600 × 1,000
Area of Bolster	mm	1,200 × 700	1,400 × 800	1,500 × 900	1,600 × 900	1,700 × 1,000	1,800 × 1,100
Working Height	mm	900	900	950	1,000	1,050	1,100
Main Motor	kw × p	15 × 4	18.5 × 4	22 × 4	30 × 4	37 × 4	45 × 4
Adjusting Motor	kw × p	1.5 × 4	1.5 × 4	1.5 × 4	2.2 × 4	3.7 × 4	5.5 × 4
<b>Die Cushion(Optional)</b>							
Capacity	ton	8	10	12	16	20	20
Stroke	mm	70	100	120	120	160	160
Pad Area	mm	420 × 300	420 × 300	570 × 420	600 × 460	600 × 460	700 × 500
Air Pressure	kg/cm <sup>2</sup>	5.5	5.5	5.5	5.5	5.5	5.5

## Features

- Sturdy enough for long-term operation
- Efficiency increased due to an addition of knuckle joints and customized BDC(Bottom Dead Center)
- Efficiency increased for operations such as Coining, Embossing, etc.

## Option Item

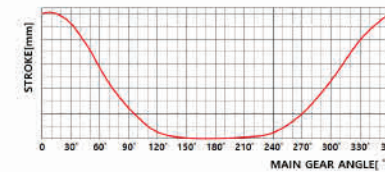
- A.C Inverter / V.S Motor
- Die cushion
- Anti-vibration unit
- Quick Die Change System
- Knock out device
- Auto transfer device
- Short Stroke High Speed
- Long Stroke



# SEMI-H Type Double Knuckle Press

KDHK Series 250/300/400/500/600/800

- Precision increased and problems with C-Type frame solved
- Useful for Press work due to use of knuckle joints
- Guarantee slide path and maintain precision via plunger guide
- Suited for transfer, progressive work because of its wide slide and bolster plate
- This 8 phases structure guide type is unaffected by eccentric axial loading and shows exceptional precision
- Guarantees reliability and high torque via wet multi type clutch / brake
- Protects the mold and press by using Hydraulic overload protector system
- Improves equipment by adding a touch screen on the pendant shaped control which shows mechanical info, abnormalities, etc.
- Apt for high quality product production
- Reduces impact and extends mold life
- Slide Motion-curve



- ▶ Slide adjustment system
- ▶ Photoelectric safety device
- ▶ Recirculating auto oil lubrication system
- ▶ Air ejector

## Standard Specifications

Specification	Unit	KDHK-250	KDHK-300	KDHK-400	KDHK-500	KDHK-600	KDHK-800
Capacity	ton	250	300	400	500	600	800
Limit of Capacity	mm	7	7	7	7	7	7
Stroke	mm	200	250	250	300	300	350
Number of Stroke	spm	40	40	40	35	35	30
Die Height	mm	550	600	600	650	700	800
Adjustment of Slide	mm	120	150	150	150	150	150
Area of Slide	mm	2,600 × 800	2,700 × 900	2,800 × 1,100	3,000 × 1,200	3,000 × 1,200	3,200 × 1,300
Area of Bolster	mm	2,600 × 900	2,700 × 1,000	2,800 × 1,200	3,000 × 1,300	3,000 × 1,300	3,200 × 1,400
Working Height	mm	1,000	1,100	1,200	1,300	1,400	1,500
Main Motor	kw × p	22 × 4	30 × 4	37 × 4	45 × 4	55 × 4	75 × 4
Adjusting Motor	kw × p	2.2 × 4	3.7 × 4	3.7 × 4	5.5 × 4	5.5 × 4	5.5 × 6
<b>Die Cushion(Optional)</b>							
Capacity	ton	12.5 × 2	12.5 × 2	15 × 2	15 × 2	15 × 2	15 × 2
Stroke	mm	130	130	150	150	150	150
Pad Area	mm	1,750 × 550	1,750 × 550	1,900 × 720	1,900 × 720	1,900 × 720	1,900 × 720
Air Pressure	kg/cm <sup>2</sup>	5.5	5.5	5.5	5.5	5.5	5.5

## Features

- Sturdy enough for long-term operation
- Efficiency increased due to an addition of knuckle joints and customized BDC(Bottom Dead Center)
- Efficiency increased for operations such as Coining, Embossing, etc.

## Option Item

- A.C Inverter / V.S Motor
- Die cushion
- Anti-vibration unit
- Quick Die Change System
- Knock out device
- Auto transfer device
- Short Stroke High Speed
- Long Stroke





# H-Type Crankless Blanking Press

KCLB-P2/P4 Series 400/500/600/800/1000/1200

Strong H-type (Straight Side Frame) frame structure

A Strong structural design for only high speed blanking operation

Applied driving parts design only for blanking for high speed blanking operation

- Hydraulic overload protector system
- Slide adjustment system
- Recirculating auto oil lubrication system
- 8 phases structure
- Strong frame guaranteeing motional precision
- Broad working space
- Photoelectric safety device
- Air ejector
- Preset counter



## ► Standard Specifications KCLB-P2

Specification	Unit	KCLB-400P2	KCLB-500P2	KCLB-600P2	KCLB-800P2	KCLB-1000P2	KCLB-1200P2
Capacity	ton	400	500	600	800	1,000	1,200
Limit of Capacity	mm	10	10	10	10	10	10
Stroke	mm	300	300	300	300	300	300
Number of Stroke	spm	80	80	80	80	60	60
Die Height	mm	1,000	1,000	1,000	1,200	1,200	1,200
Adjustment of Slide	mm	300	300	300	300	300	300
Area of Slide	mm	2,400 × 1,400	2,400 × 1,400	2,600 × 1,500	2,800 × 1,500	3,000 × 1,600	3,000 × 1,600
Area of Bolster	mm	2,400 × 1,400	2,400 × 1,400	2,600 × 1,500	2,800 × 1,500	3,000 × 1,600	3,000 × 1,600
Working Height	mm	650	650	650	650	650	650
Main Motor	kw × p	110	110	150	150	185	220

## ► Standard Specifications KCLB-P4

Specification	Unit	KCLB-400P4	KCLB-500P4	KCLB-600P4	KCLB-800P4	KCLB-1000P4	KCLB-1200P4
Capacity	ton	400	500	600	800	1,000	1,200
Limit of Capacity	mm	10	10	10	10	10	10
Stroke	mm	500	500	500	600	600	600
Number of Stroke	spm	80	80	80	80	80	80
Die Height	mm	1,000	1,000	1,000	1,200	1,200	1,200
Adjustment of Slide	mm	300	300	300	300	300	300
Area of Slide	mm	3,600 × 2,200	4,000 × 2,300	4,500 × 2,500	4,500 × 2,500	5,000 × 2,600	5,000 × 2,600
Area of Bolster	mm	3,600 × 2,200	4,000 × 2,300	4,500 × 2,500	4,500 × 2,500	5,000 × 2,600	5,000 × 2,600
Working Height	mm	650	650	650	650	650	650
Main Motor	kw × p	110	110	150	150	185	220



## ► Sales Reference - Blanking Press(KCLB-Type) (After 2011)

No.	Customer	Model	Delivery Year	Country
1	Company S	KCLB-600P4M	2011	Geoncheon, Korea
2	Company H	KCLB-500P4M		Beijing, China
3	Company J	KCLB-630P4M		Lanzhou, China
4	Company L	KCLB-630P4M		Shanghai, China
5	Company P	KCLB-800P4M		Brazil
6	Company P	KCLB-800P4M		Chongqing, China
7	Company P	KCLB-600P4M	2012	New Delhi, India
8	Company P	KCLB-800P4M	2013	Agua, Mexico
9	Company P	KCLB-800P4M		Celaya, Mexico
10	Company I	KCLB-400P4M		Ningbo, China
11	Company I	KCLB-400P4M		Nanjing, China
12	Company D	KCLB-800P4M		Shanghai, China
13	Company P	KCLB-800P4M		Tianjin, China
14	Company P	KCLB-800P4M	2014	Wuhan, China
15	Company P	KCLB-800P4M		Foshan, China
16	Company H	KCLB-400P4M		Yesan, Korea
17	Company H	KCLB-400P4M		Yancheng, China
18	Company H	KCLB-600P4M		Monterrey, Mexico
19	Company H	KCLB-600P4M	2015	Chengdu, China
20	Company P	KCLB-800P4M		Chongqing, China
21	Company P	KCLB-630P4M		
22	Company P	KLM-600P4M		
23	Company P	KCLB-800P4M	2016	Celaya, Mexico
24	Company H	KCLB-600P4M	2018	Anantapur, India
25	Company H	KCLB-600P4M	2020	Nosovice, Czech Republic





# H-Type Link Motion Press

KLM-P2 Series 400/600/800/1000/1200/1500

Strong H-type frame structure and a crankless driving device.  
Structure that is strong against impact of the drive unit that complements the drawbacks of crank.

- Hydraulic overload protector system
- Slide adjustment system
- Recirculating auto oil lubrication system
- 8 phases structure
- Strong frame guaranteeing motional precision
- Removable Bolster Device
- Broad working space
- Suitability for extensive sheet metal working of blanking, piercing, stamping, etc.
- Photoelectric safety device
- Air ejector
- Preset counter



## ► Standard Specifications

Specification	Unit	KLM-400P2	KLM-600P2	KLM-800P2	KLM-1000P2	KLM-1200P2	KLM-1500P2
Capacity	ton	400	600	800	1,000	1,200	1,500
Limit of Capacity	mm	13	13	13	13	13	13
Stroke	mm	500	500	500	500	600	600
Number of Stroke	spm	20	20	22	20	20	18
Die Height	mm	1,300	1,300	1,000	1,000	1,200	1,200
Adjustment of Slide	mm	500	500	600	600	600	600
Area of Slide	mm	3,000 × 1,400	3,000 × 1,400	3,000 × 1,600	3,300 × 1,800	3,700 × 1,800	3,700 × 1,800
Area of Bolster	mm	3,000 × 1,400	3,000 × 1,400	3,000 × 1,600	3,300 × 1,800	3,700 × 1,800	3,700 × 1,800
Working Height	mm	750	750	750	750	750	750
Main Motor	kw × p	75 × 4	90 × 4	110 × 4	135 × 4	135 × 4	185 × 4
<b>Die Cushion(Optional)</b>							
Capacity	ton	70	80	100	120	150	150
Stroke	mm	250	250	250	250	250	300
Pad Area	mm	1,800 × 1,150	1,800 × 1,150	2,100 × 1,200	2,400 × 1,200	2,700 × 1,200	2,700 × 1,200
Air Pressure	kg/cm <sup>2</sup>	5	5	5	5	5	5

## ► Features

- Performance : Used for drawing work and is useful for high BDC(Bottom Dead Center).
- Efficiency : Work speed slows down on the working part.
- Product forming : Useful for forming because of its slow and steady axle speed.
- Productivity : Able to improve cycle time by setting slow processing speed and faster elevation speed of the press.  
The cycle time is affected by elevation speed in the automated operation.
- Mechanical vibration : Vibrations such as blanking are reduced due to slower working speed.

## ► Option Item

- DC Motor
- Die Cushion
- Anti-Vibration Unit
- Quick Die Change System
- Short Stroke High Speed (High tensile steel plate blanking and progressive workings)
- Moving bolster
- Knock Out Device
- Auto Transfer Device



# H-Type Link Motion Press

KLM-P4 Series 400/600/800/1000/1200/1500/2000/2400

Strong H-type frame structure and a crankless driving device.  
Structure that is strong against impact of the drive unit that complements the drawbacks of crank.

- Hydraulic Overload Protector Device
- Slide Adjustment Device
- Circulation Type Automatic Oil Lubricating System
- 8 Phases Structure
- Structure Of Rigid Frame Can Guarantee Dynamic Accuracy
- Removable Bolster Device
- Broad working space
- Suitability for extensive sheet metal working of blanking, piercing, stamping, etc.
- Photoelectric Safety Device
- Air Ejector
- Preset counter



## ► Standard Specifications

Specification	Unit	KLM-400P4	KLM-600P4	KLM-800P4	KLM-1000P4	KLM-1200P4	KLM-1500P4	KLM-2000P4	KLM-2400P4
Capacity	ton	400	600	800	1000	1200	1500	2000	2400
Limit of Capacity	mm	13	13	13	13	13	13	13	13
Stroke	mm	500	500	500	500	600	600	700	800
Number of Stroke	spm	20	20	22	20	20	18	18	18
Die Height	mm	1,300	1,300	1,000	1,000	1,200	1,200	1,200	1,200
Adjustment of Slide	mm	500	500	600	600	600	600	600	600
Area of Slide	mm	3,000 × 1,800	3,000 × 1,800	3,000 × 2,000	3,300 × 2,200	3,700 × 2,300	4,000 × 2,300	4,300 × 2,500	4,300 × 2,500
Area of Bolster	mm	3,000 × 1,800	3,000 × 1,800	3,000 × 2,000	3,300 × 2,200	3,700 × 2,300	4,000 × 2,300	4,300 × 2,500	4,300 × 2,500
Working Height	mm	750	750	750	750	750	750	750	750
Main Motor	kw × p	75 × 4	90 × 4	110 × 4	135 × 4	185 × 4	220 × 4	250 × 4	350 × 4
<b>Die Cushion(Optional)</b>									
Capacity	ton	50	80	100	120	150	150	200	200
Stroke	mm	200	250	250	250	300	300	300	300
Pad Area	mm	2,400 × 1,200	2,400 × 1,200	2,400 × 1,200	2,700 × 1,500	2,900 × 1,500	3,200 × 1,700	3,800 × 1,900	3,800 × 1,900
Air Pressure	kg/cm <sup>2</sup>	5	5	5	5	5	5	6	6

## ► Features

- Performance : Used for drawing work and is useful for high BDC(Bottom Dead Center).
- Efficiency : Work speed slows down on the working part.
- Product forming : Useful for forming because of its slow and steady axle speed.
- Productivity : Able to improve cycle time by setting slow processing speed and faster elevation speed of the press.  
The cycle time is affected by elevation speed in the automated operation.
- Mechanical vibration : Vibrations such as blanking are reduced due to slower working speed.

## ► Option Item

- DC Motor
- Die Cushion
- Anti-Vibration Unit
- Quick Die Change System
- Short Stroke High Speed (High tensile steel plate blanking and progressive workings)
- Moving bolster
- Knock Out Device
- Auto Transfer Device





# H-Type Crankless Press

KCL-P2 Series 300/400/500/600/800/1000/1200/1500

Strong H-type frame structure and a crankless driving device.  
Structure that is strong against impact of the drive unit that complements the drawbacks of crank.

- Wet clutch brake of high efficiency
- Hydraulic overload protector system
- Slide adjustment system
- Recirculating auto oil lubrication system
- 8 phases structure
- Strong frame guaranteeing motional precision
- Broad working space
- Photoelectric safety device
- Air ejector
- Preset counter
- Suitability for extensive sheet metal working of blanking, piercing, stamping, etc.



## ► Standard Specifications

Specification	Unit	KCL-300P2	KCL-400P2	KCL-500P2	KCL-600P2	KCL-800P2	KCL-1000P2	KCL-1200P2	KCL-1500P2
Capacity	ton	300	400	500	600	800	1,000	1,200	1,500
Limit of Capacity	mm	13	13	13	13	13	13	13	13
Stroke	mm	400	500	500	500	600	600	600	700
Number of Stroke	spm	24	24	24	24	20	20	20	18
Die Height	mm	900	900	1,000	1,000	1,200	1,200	1,200	1,200
Adjustment of Slide	mm	300	400	400	400	400	500	500	500
Area of Slide	mm	2,300 × 1,300	2,400 × 1,400	2,400 × 1,400	2,600 × 1,600	2,800 × 1,600	3,000 × 1,600	3,300 × 1,600	3,500 × 1,600
Area of Bolster	mm	2,300 × 1,300	2,400 × 1,400	2,400 × 1,400	2,600 × 1,600	2,800 × 1,600	3,000 × 1,600	3,300 × 1,600	3,500 × 1,600
Working Height	mm	650	650	650	650	650	650	600	750
<b>Die Cushion(Optional)</b>									
Capacity	ton	50	70	80	100	120	150	150	200
Stroke	mm	200	250	250	250	250	300	300	300
Pad Area	mm	1,800 × 900	1,800 × 1,150	1,800 × 1,150	2,100 × 1,200	2,400 × 1,200	2,700 × 1,200	2,700 × 1,200	2,700 × 1,200
Air Pressure	kg/cm <sup>2</sup>	5	5	5	5	5	5	5	6

## ► Features

- Rigid driving system
- Compact design with stage covers
- Robot operation available
- Equipped with wet type clutch and brake system
- Used to extensive sheet metal of working of blanking, piercing, stamping, etc.

## ► Option Item

- DC Motor
- Die cushion
- Anti-vibration unit
- Quick Die Change System
- Moving bolster
- Knock out device
- Auto transfer device
- PLC system (Programmable Logic Controller)
- Micro inching device
- Operation management system



# H-Type Crankless Press

KCL-P4 Series 400/500/600/800/1000/1200/1500/2000/2400

Strong H-type frame structure and a crankless driving device.  
Structure that is strong against impact of the drive unit that complements the drawbacks of crank.

- Wet clutch brake of high efficiency
- Hydraulic overload protector system
- Slide adjustment system
- Recirculating auto oil lubrication system
- 8 phases structure
- Strong frame guaranteeing motional precision
- Broad working space
- Photoelectric safety device
- Air ejector
- Preset counter
- Suitability for extensive sheet metal working of blanking, piercing, stamping, etc.



## ► Standard Specifications

Specification	Unit	KCL-400P4	KCL-500P4	KCL-600P4	KCL-800P4	KCL-1000P4	KCL-1200P4	KCL-1500P4	KCL-2000P4	KCL-2400P4
Capacity	ton	400	500	600	800	1,000	1,200	1,500	2,000	2,400
Limit of Capacity	mm	13	13	13	13	13	13	13	13	13
Stroke	mm	500	500	500	600	600	600	700	800	800
Number of Stroke	spm	22	22	22	20	20	18	18	18	18
Die Height	mm	1,000	1,000	1,000	1,000	1,200	1,200	1,200	1,200	1,200
Adjustment of Slide	mm	400	400	400	400	500	500	500	500	500
Area of Slide	mm	3,200 × 1,800	3,200 × 1,800	3,200 × 1,800	3,200 × 1,800	3,200 × 1,800	3,500 × 1,800	4,000 × 2,200	4,500 × 2,500	4,700 × 2,600
Area of Bolster	mm	3,200 × 1,800	3,200 × 1,800	3,200 × 1,800	3,200 × 1,800	3,200 × 1,800	3,500 × 1,800	4,000 × 2,200	4,500 × 2,500	4,700 × 2,600
Working Height	mm	650	650	650	650	650	650	700	800	800
<b>Die Cushion(Optional)</b>										
Capacity	ton	50	70	80	100	120	150	150	200	200
Stroke	mm	200	250	250	250	250	300	300	300	300
Pad Area	mm	2,400 × 1,200	2,400 × 1,200	2,400 × 1,200	2,400 × 1,200	2,700 × 1,500	2,700 × 1,500	3,250 × 1,890	3,810 × 1,920	3,810 × 1,920
Air Pressure	kg/cm <sup>2</sup>	5	5	5	5	5	5	5	6	6

## ► Features

- Rigid driving system
- Compact design with stage covers
- Robot operation available
- Equipped with wet type clutch and brake system
- Used to extensive sheet metal of working of blanking, piercing, stamping, etc.

## ► Option Item

- DC Motor
- Die cushion
- Anti-vibration unit
- Quick Die Change System
- Moving bolster
- Knock out device
- Auto transfer device
- PLC system (Programmable Logic Controller)
- Micro inching device
- Operation management system





# Hydraulic Press

KDP Series 200/300/400/500/600/800/1000/1200/1500/2000/2500

- It is to have a compacted structure due to valve block integrate all functions on complicated circuits, and to be made solidly, so it is profitable to service and repair.
- It is possible to work high speed(400mm/sec) by adopting logic valve.
- It is possible to operate easily and various driving handling by using. PLC ( Programmable Logic Controller ) It is easy to repair and catch a cause when happening problems.



## ► Standard Specifications

Specification	Unit	KDP-200	KDP-300	KDP-400	KDP-500	KDP-600	KDP-800
Capacity	ton	200	300	400	500	600	800
Stroke	mm	700	1,000	1,100	1,300	1,300	1,500
Day Light	mm	1,000	1,400	1,500	1,800	1,800	2,000
Area of Slide	mm	1,500 × 1,000	2,200 × 1,500	2,500 × 1,500	2,500 × 1,500	2,500 × 1,500	3,000 × 2,000
Area of Bolster	mm	1,500 × 1,000	2,200 × 1,500	2,500 × 1,500	2,500 × 1,500	2,500 × 1,500	3,000 × 2,000
Ascending Speed	mm/sec	200 ~ 250	200 ~ 250	200 ~ 250	200 ~ 250	200 ~ 250	200 ~ 250
Pressing Speed	mm/sec	10 ~ 20	10 ~ 20	10 ~ 25	10 ~ 25	10 ~ 25	10 ~ 25

### Die Cushion(Optional)

Capacity	ton	100	150	200	200	200	300
Air Pressure	mm	300	300	400	400	500	500

Specification	Unit	KDP-1000	KDP-1200	KDP-1500	KDP-2000	KDP-2500
Capacity	ton	1,000	1,200	1,500	2,000	2,500
Stroke	mm	1,500	1,500	1,500	1,800	2,000
Day Light	mm	2,000	2,000	2,200	2,500	2,500
Area of Slide	mm	3,500 × 2,000	3,500 × 2,000	4,000 × 2,500	4,500 × 2,500	5,000 × 2,500
Area of Bolster	mm	3,500 × 2,000	3,500 × 2,000	4,000 × 2,500	4,500 × 2,500	5,000 × 2,500
Ascending Speed	mm/sec	200 ~ 250	200 ~ 250	200 ~ 250	150 ~ 200	150 ~ 200
Pressing Speed	mm/sec	9 ~ 18	9 ~ 18	9 ~ 18	8 ~ 15	8 ~ 15

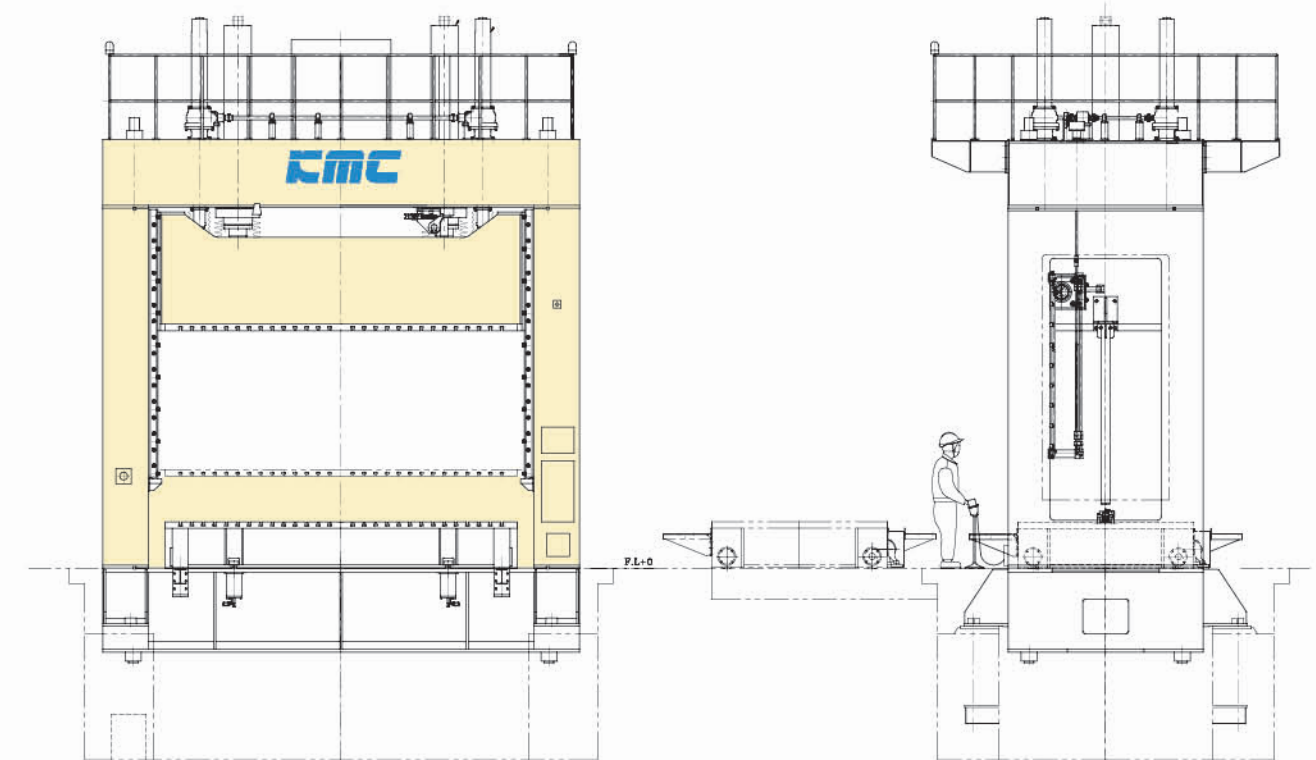
### Die Cushion(Optional)

Capacity	ton	400	400	500	500	600
Air Pressure	mm	550	550	600	600	600



# Die Spotting Press

KDS Series 30/50/100/200



## ► Standard Specifications

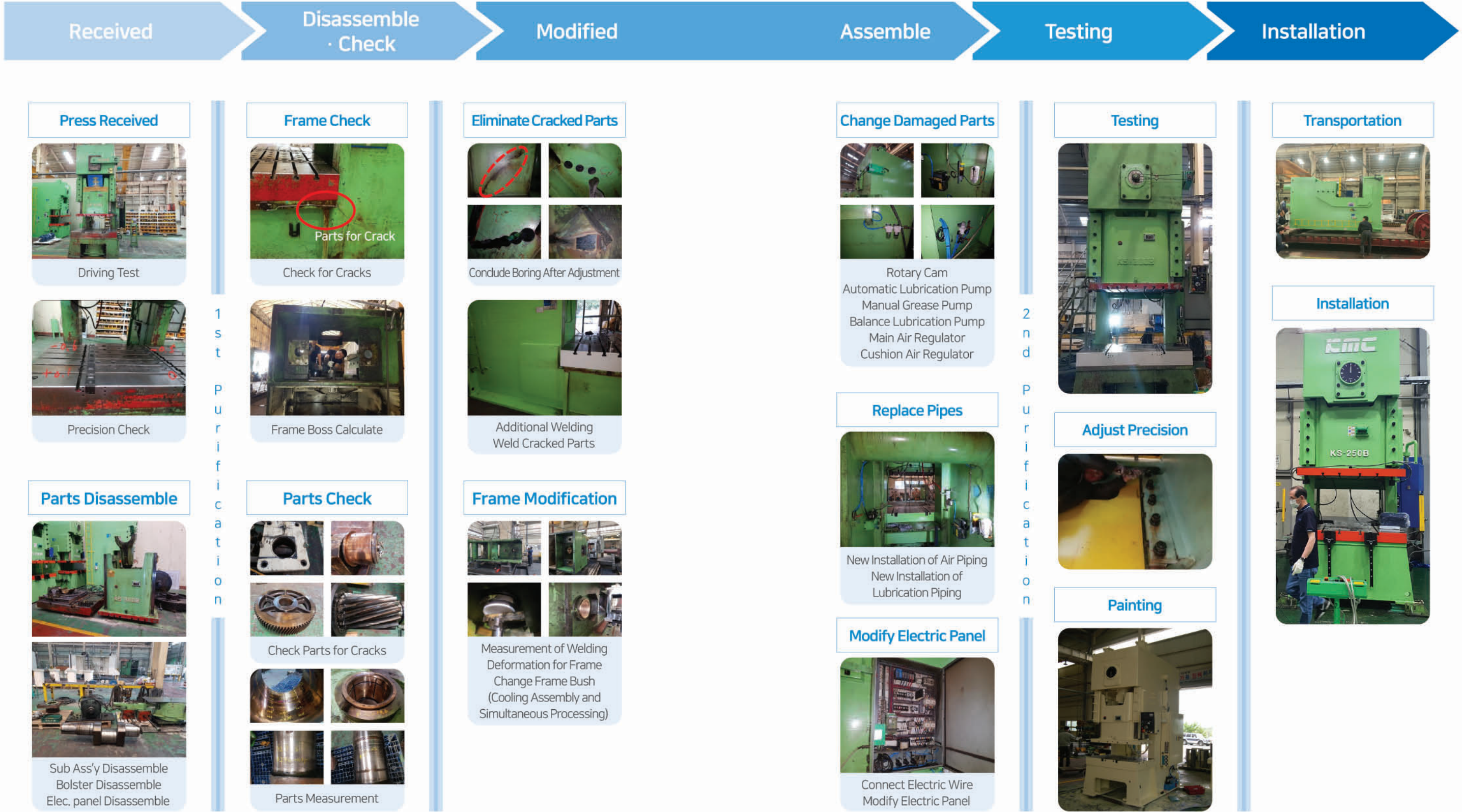
Specification	Unit	KDS-30	KDS-50	KDS-100	KDS-200
Capacity	ton	30	50	100	200
Stroke	mm	1,700	1,700	1,900	1,900
Day Light	mm	2,200	2,200	2,500	2,500
Up and Down Speed	mm/sec	60	70	95	50
Pressing Speed	mm/sec	10	10	15	10
Area of Slide	mm	3,000 × 2,000	3,000 × 2,000	4,000 × 2,500	4,500 × 2,500
Area of Bolster	mm	3,000 × 2,000	3,000 × 2,000	4,000 × 2,500	4,500 × 2,500
Working Height	mm	340	340	340	340
Main Motor	Kw × P	22 × 6	30 × 6	45 × 4	45 × 4

### Micro Inching

Range	mm	800	800	800	800
Length	mm/push	0.05	0.05	0.05	0.05



Press Over-haul Process







MEMO



MEMO

