

JING DUANN / QUALITY FIRST, TECHNIQUE INNOVATION



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QUALITY FIRST
TECHNIQUE INNOVATION

HIGH SPEED FORGING PRESSES
KNUCKLE JOINT DEVICE COLD FORGING PRESSES
WHOLE-PLANT FORGING EQUIPMENT

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Founded in 1978, JING DUANN Machinery Industrial Co., Ltd. specializes in manufacturing High Speed Forging Machine. To increase production efficiency and to fulfill multiple functions forging press required by related industries, JING DUANN is committed to forging automation and expansion of market share to achieve optimum forging machineries and best possible forging parts.

From the birth of C Type Pneumatic Press in 1979 C.E. and the introduction of H Type Cross Shaft Forging Press in 1982 C.E., HCP High Speed Forging Press in 1985 C.E. and finally the latest series of FPG Forging Press, which highlights forging capabilities from 400 ton to 4,000 ton and offering sound proof that JING DUANN has the high level technicians and technology and will manufacture excellent and high efficient press machines continuously.



Quality Policy

Quality is created from every process and detail, is maintained by our business culture. JING DUANN focus on offer better quality devices than ever before to fulfill customers' requirements.



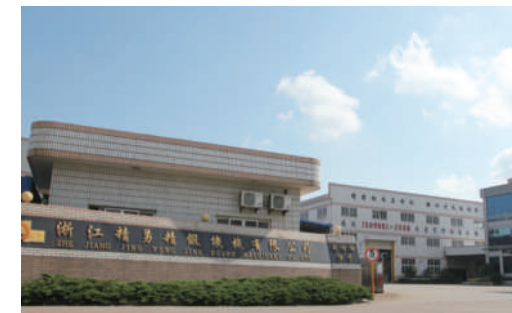
Technique Innovation

Quality is created from every process and detail, is maintained by our business culture. JING DUANN focus on offer better quality devices than ever before to fulfill customers' requirements.



HISTORY

- 1978 —■ Jing-Duann established at PLANT-II, Producing warm / hot forging presses. Release the first C series of pneumatic press.
- 1982 —■ Release the H series of horizontal-shaft pneumatic forging press.
- 1985 —■ Release the HCP series of high-speed hot forging press.
- 1990 —■ Release the FP series of high-speed, high-precision hot forging press.
- 1991 —■ Obtain the patent of "Improved structures of forging machines" from the National Bureau of Standard, Ministry of Economy.
- 1992 —■ Purchase the current factory premises, 2465.07 square meters, in Taichung Industrial Park; production capacity doubled.
- 1993 —■ Obtain registered trademark in Japan Awarded "Outstanding Achievement" by Taiwanese Forging Association.
- 1994 —■ Release the LP series of precision, link motion press.
- 1995 —■ Release the first domestically made 1600-ton high-speed, precision warm / hot forging press.
- 1998 —■ Plan to release JKP series of precision joint knuckle cold forging press.
- 1999 —■ ISO 9002 approval.
- 2001 —■ Obtain ISO9001 design, development and service quality certified.
- 2003 —■ JING-YONG JING DUANN MACHINERY (Zhejiang) INDUSTRIAL CO., LTD. Established.
- 2005 —■ The main construction area of our china branch is completed.
- 2006 —■ FP and FPG series forging press acquired CE certification.
- 2008 —■ All the construction of China branch completed. FP-1300G forging press launched.
- 2009 —■ Purchased the PLANT-III premises, 2250 square meters, in Taichung Industrial Park for increasing the machining capacity.
- 2010 —■ 2500T Hot Forging Press under manufacturing. Will be finished in Dec, 2010.
- 2011 —■ Purchased new land about 12,000 square meters, combine PLANT-I and PLANT-III. Increasing productivity from 80 press per year to 150 press per year.
- 2014 —■ Purchased new land about 12,000 square meters, combine factory I and factory III. Increasing productivity from 100 presses per year to 200 presses per year.
- 2015 —■ Complete the integration of the new plant with official opening. The 5th Asia forging plant tour members designated visit.
- 2019 —■ Plan Publish FP4000XG High Speed Forging Press Machine.



FP-X

HIGH SPEED FORGING PRESSES



FEATURES

■ Flywheel Driven:

X type is directly driven by flywheel, so running speed is fast, forging materials and mold contact time is shortened, so mold service life is improved; due to simplified transmission mechanism, failure rate is reduced, and maintenance cost is greatly lowered.

■ X-type Slider Guide Rails:

Slider guide rails adopt X-type design, fully overcoming the thermal expansion phenomenon caused by the heat conducted from mold to slider when forging.

The design makes sliding gap variation be reduced to a minimum, and long guide rail design enhances overall rigidity and eccentric load capacity, so more suitable for precision multi-station forging operations.

■ New-type Flywheel, Large Gear Suspension Mechanism:

1. Flywheel and large gear are hung on bearing, so weight is no longer hung on eccentric shaft, and copper lining will not heat up and can reduce wear of copper lining and improve service life when rotating.
2. New-type suspension design can ensure running smoothly without deflection of flywheel and large gear, greatly reducing the noise generated when gear is in operation and improving gear service life.
3. Internal bearing of flywheel adopts forced machine oil lubrication, ensuring never lack of machine oil and also improving service life of bearing due to cooling effect of machine oil.

■ Semi-hermetic Clutch Mechanism:

The semi-hermetic clutch mechanism guides external cooling air into clutch through rotary motion, increasing heat dissipation effect and effectively reducing internal operating tempera-

ture of clutch, increasing contact area of lining sheets, enhancing clutch transmission torque, and at the same time prolonging service life of lining sheets.

■ Ultra High Rigidity Machine Frame:

1. Strength of four steel plates on top of machine frame is strengthened to make it present an arched shape, enhancing machine frame rigidity and reducing machine frame deformation, at the same time sharing eccentric shaft load and reducing impact force on machine frame to protect eccentric shaft to avoid the occurrence of fracture.
2. The structure of machine frame is optimized, enhancing machine frame rigidity and reducing internal stress load, so more suitable for heavy duty forging operations.

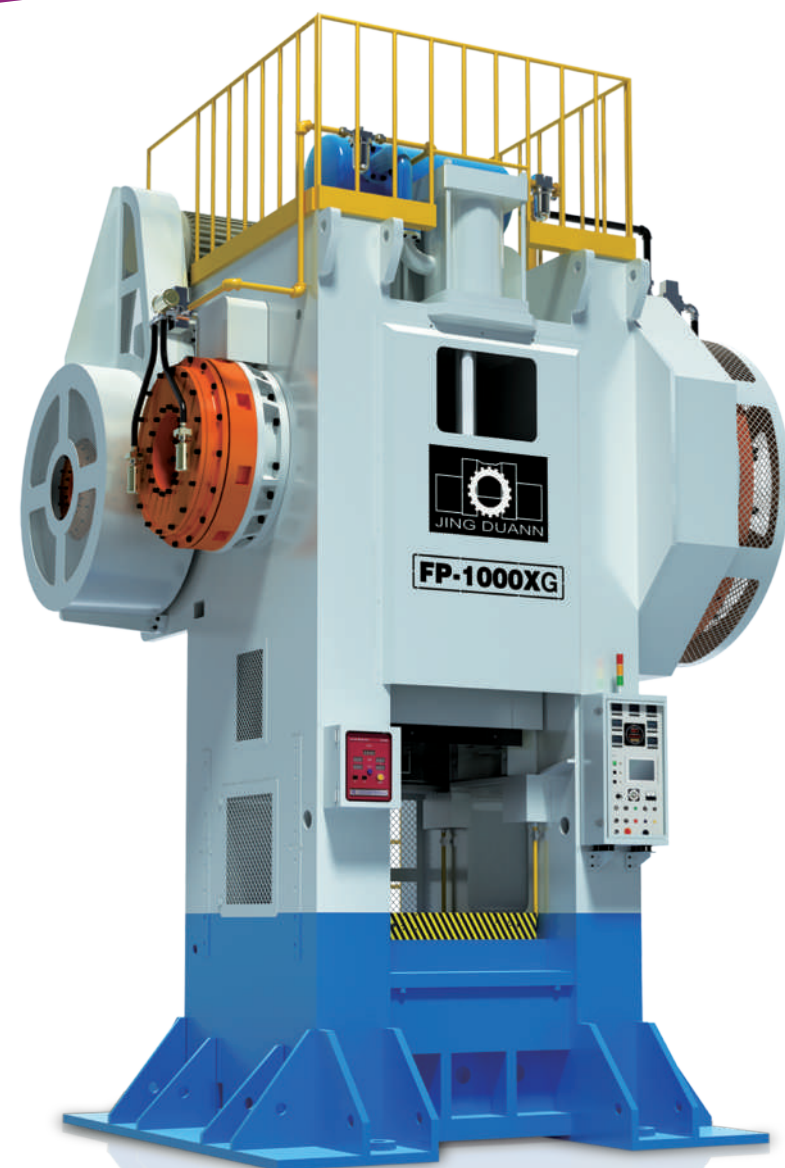
*This design is subject to change without notice.

ITEM \ MODEL	UNIT	FP-600X	FP-800X	FP-1000X	FP-1300X	FP-1600X
Capacity	Tons	600	800	1000	1300	1600
Stroke of ram	mm	200	250	250	280	300
Adjustment of ram	mm	10	10	10	10	10
Number of stroke	Spm	95	85	85	80	65
Work number of stroke	Spm	18	18	18	18	18
Shut height	mm	750	850	950	950	1100
Rated tonnage point	mm	6	6	6	6	6
Ram dimension (L-R & F-B)	mm	660×730	770×810	880×1050	1020×1080	1200×1130
Table dimension (L-R & F-B)	mm	800×880	880×1000	1040×1080	1140×1140	1200×1200
Side window (L-R & F-B)	mm	550×550	600×600	700×700	750×700	980×800
Main motor	Kw×P	37kw×8p	45kw×8p	55kw×8p	75kw×8p	75kw×12p
Ejector in the ram	Tons-mm	6Ton – 30mm	10Ton – 30mm	10Ton – 30mm	10Ton – 40mm	10Ton – 40mm
Ejector in the table	Tons-mm	8Ton – 50mm	12Ton – 50mm	12Ton – 50mm	12Ton – 50mm	17Ton – 50mm
Press weight	Kg	46,000	60,000	82,000	100,000	130,000
Press Dimension (L×W×H)	mm	3300×2790×5280	3630×3010×5810	3840×3225×6145	4100×3450×6675	4320×3505×8100



FP-XG

HIGH SPEED FORGING PRESSES



FEATURES

■ Gear Driven:

XG type is driven by gear, can reduce travel speed through gear ratio design to achieve slow molding effect. Applicable to forging molding of aluminum, copper and other non-ferrous materials, but also suitable for needs of long extension engineering forged steel parts, such as automotive transmission shaft CV-Joint.

■ X-type Slider Guide Rails:

Slider guide rails adopt X-type design, fully overcoming the thermal expansion phenomenon caused by the heat conducted from mold to slider when forging.

The design makes sliding gap variation be reduced to a minimum, and long guide rail design enhances overall rigidity and eccentric load capacity, so

more suitable for precision multi-station forging operations.

■ New-type Flywheel, Large Gear Suspension Mechanism:

1. Flywheel and large gear are hung on bearing, so weight is no longer hung on eccentric shaft, and copper lining will not heat up and can reduce wear of copper lining and improve service life when rotating.
2. New-type suspension design can ensure running smoothly without deflection of flywheel and large gear, greatly reducing the noise generated when gear is in operation and improving gear service life.
3. Internal bearing of flywheel adopts forced machine oil lubrication, ensuring never lack of machine oil and also improving service life of bearing due to cooling effect of machine oil.

■ Semi-hermetic Clutch MechanismV

The semi-hermetic clutch mechanism guides

external cooling air into clutch through rotary motion, increasing heat dissipation effect and effectively reducing internal operating temperature of clutch, increasing contact area of lining sheets, enhancing clutch transmission torque, and at the same time prolonging service life of lining sheets.

■ Ultra High Rigidity Machine Frame:

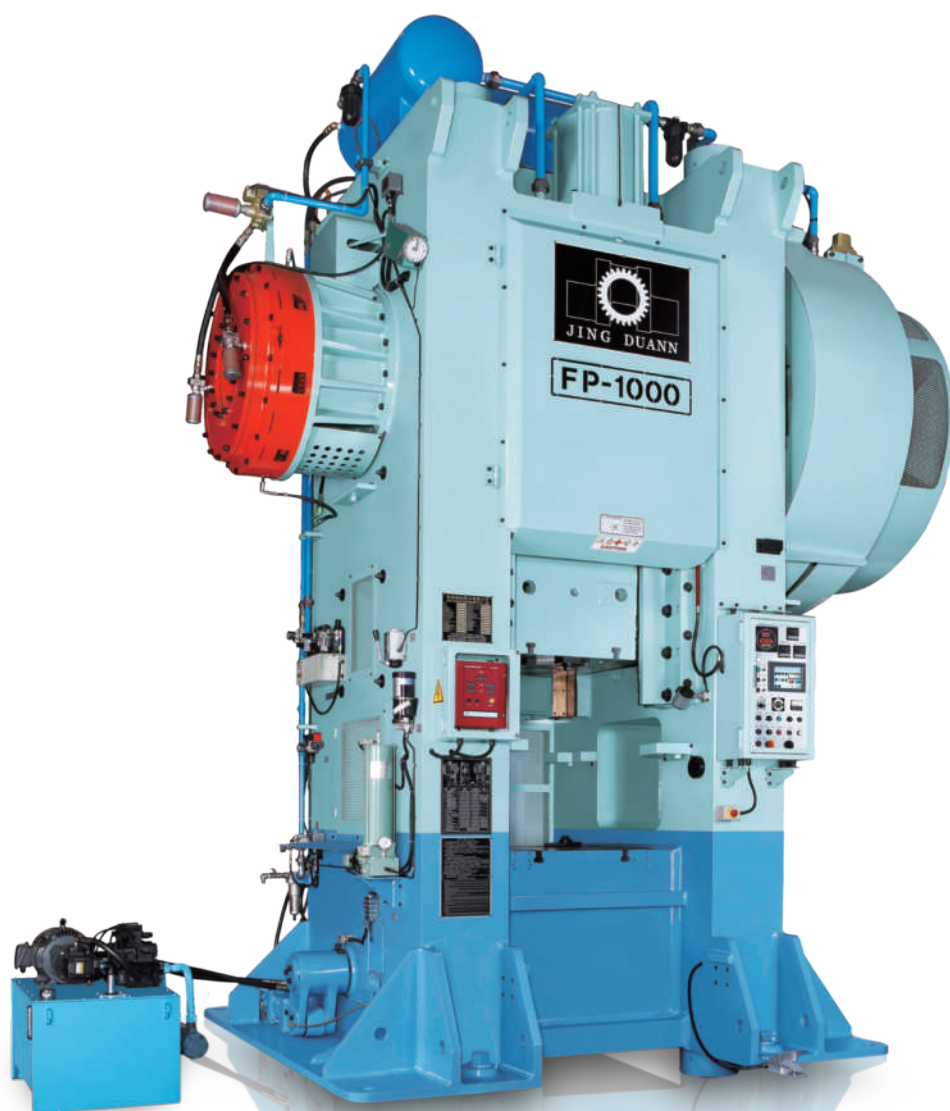
1. Strength of four steel plates on top of machine frame is strengthened to make it present an arched shape, enhancing machine frame rigidity and reducing machine frame deformation, at the same time sharing eccentric shaft load and reducing impact force on machine frame to protect eccentric shaft to avoid the occurrence of fracture.
2. The structure of machine frame is optimized, enhancing machine frame rigidity and reducing internal stress load, so more suitable for heavy duty forging operations.

*This design is subject to change without notice.

ITEM	MODEL	UNIT	FP-600XG	FP-800XG	FP-1000XG	FP-1300XG	FP-1600XG	FP-2500XG	FP-4000XG
Capacity		Tons	600	800	1000	1300	1600	2500	4000
Stroke of ram		mm	200	250	250	280	300	350	400
Adjustment of ram		mm	10	10	10	10	10	10	10
Number of stroke		Spm	70	60	60	60	50	55	45
Work number of stroke		Spm	18	18	18	16	16	14	14
Shut height		mm	750	850	950	950	1100	1400	1600
Rated tonnage point		mm	6	6	6	6	6	8	10
Ram dimension (L-R & F-B)		mm	660×730	770×810	880×1050	1020×1080	1050×1130	1480×1480	1590×1590
Table dimension (L-R & F-B)		mm	800×880	880×1000	1040×1080	1140×1140	1200×1200	1500×1500	1600×1600
Side window (L-R & F-B)		mm	550×550	600×600	700×700	750×700	980×800	900×1100	1000×1200
Main motor		Kw×P	45kw×6p	55kw×6p	75kw×6p	90kw×6p	110kw×6p	160kw×6p	220kw×6p
Ejector in the ram		Tons-mm	6Ton – 30mm	10Ton – 30mm	10Ton – 30mm	10Ton – 40mm	10Ton – 40mm	8Ton – 60mm	20Ton – 60mm
Ejector in the table		Tons-mm	8Ton – 50mm	12Ton – 50mm	12Ton – 50mm	12Ton – 50mm	17Ton – 50mm	30Ton – 100mm	40Ton – 100mm
Press weight		Kg	50,000	65,000	90,000	105,000	140,000	220,000	400,000
Press Dimension (L×W×H)		mm	3425×3405×5280	3665×3655×5810	3960×3975×6150	4200×4200×6675	4410×4435×7800	5355×4863×9075	6060×6083×10570

FP

HIGH SPEED FORGING PRESSES



FEATURES

- The upward and downward material-topping design can reduce the inclination of mold cavity to minimize material consumption and save on materials.
- Strong start-up force ensures high production efficiency and the stroke specification of machine are different from tradition ones which facilitate processing of various forgings.
- The operation winds installed at both sides of the machine frame can facilitate the transmission of forgings and enable automatic pressing operation.
- The box-type machine frame features rigid structure that is ideal for warm or hot forging operations and turn out high-precision forgings.
- High production efficiency, simple operation, easy maintenance and low production cost.
- A special design to tackle mold-sticking conditions can make molds return to their normal state for easy operation.
- The accurate design promise great strength of inclination, allow heavy eccentric load and enables multi-forging operations to work out precision forgings.
- The grease lubricated system can reduce frictions among varied machined parts.
- Multiple safety-operation circuit system assures the safety of operations.

*This design is subject to change without notice.

ITEM \ MODEL	UNIT	FP-400	FP-600	FP-800	FP-1000
Capacity	Tons	400	600	800	1000
Stroke of ram	mm	175	200	250	250
Adjustment of ram	mm	10	10	10	10
Number of stroke	Spm	100	95	85	85
Work number of stroke	Spm	18	18	16	16
Shut height	mm	605	650	650	800
Rated tonnage point	mm	5	5	5	5
Ram dimension (L-R & F-B)	mm	590×650	690×630	800×790	940×850
Table dimension (L-R & F-B)	mm	770×840	860×880	980×1000	1100×1050
Side window (L-R & F-B)	mm	450×450	500×500	600×600	700×650
Main motor	Kw×P	30kw×8p	37kw×8p	45kw×8p	55kw×8p
Ejector in the ram	Tons-mm	5Ton – 20mm	5Ton – 20mm	7.5Ton – 30mm	7.5Ton – 30mm
Ejector in the table	Tons-mm	10Ton – 40mm	10Ton – 40mm	10Ton – 40mm	24Ton – 40mm
Press weight	Kg	29,500	40,000	52,000	72,000
Press Dimension (L×W×H)	mm	3360×2600×4655	3500×2730×5100	3985×2987×5520	4185×2910×5935

FP-G

HIGH SPEED FORGING PRESSES



FEATURES

- The upward and downward material-topping design can reduce the inclination of mold cavity to minimize material consumption and save on materials.
- Strong start-up force ensures high production efficiency and the stroke specification of machine are different from tradition ones which facilitate processing of various forgings.
- The operation winds installed at both sides of the machine frame can facilitate the transmission of forgings and enable automatic pressing operation.
- The box-type machine frame features rigid structure that is ideal for warm or hot forging operations and turn out high-precision forgings. High production efficiency, simple operation, easy maintenance and low production cost.
- A special design to tackle mold-sticking conditions can make molds return to their normal state for easy operation.
- The accurate design promise great strength of inclination, allow heavy eccentric load and enables multi-forging operations to work out precision forgings.
- The grease lubricated system can reduce frictions among varied machined parts.
- Multiple safety-operation circuit system assures the safety of operations.
- FP-G is gear transmission type which is suitable for making longer parts and material vertical to forge such as alloy, aluminum parts. It is double geared driven which offers higher torque. press stroke speed (SPM) but FP type can't.

*This design is subject to change without notice.

ITEM \ MODEL	UNIT	FP-600G	FP-800G	FP-1000G	FP-1300G	FP-1600G	FP-2500G
Capacity	Tons	600	800	1000	1300	1600	2500
Stroke of ram	mm	250	250	250	280	300	350
Adjustment of ram	mm	10	10	10	10	10	10
Number of stroke	Spm	85	85	85	80	70	65
Work number of stroke	Spm	18	16	16	16	16	16
Shut height	mm	650	650	800	900	900 / 1100	1050
Rated tonnage point	mm	5	5	5	6	6	8
Ram dimension (L-R & F-B)	mm	690×730	800×790	940×850	1000×990	1080×1040	1490×1430
Table dimension (L-R & F-B)	mm	860×880	980×1000	1100×1050	1140×1140	1200×1200	1500×1500
Side window (L-R & F-B)	mm	500×600	600×600	700×650	750×700	900×750 / 900×950	1000×1100
Main motor	Kw×P	45kw×6p	55kw×6p	75kw×6p	90kw×6p	110kw×6p	160kw×6p
Ejector in the ram	Tons-mm	5Ton – 20mm	7.5Ton – 30mm	7.5Ton – 30mm	7.5Ton – 40mm	7.5Ton – 40mm	12Ton – 60mm
Ejector in the table	Tons-mm	10Ton – 40mm	10Ton – 40mm	24Ton – 40mm	24Ton – 40mm	24Ton – 60mm	30Ton – 100mm
Press weight	Kg	45,000	55,000	77,000	95,000	130,000	220,000
Press Dimension (L×W×H)	mm	3460×3140×5183	3685×3345×5520	4124×3687×5935	4250×3810×6585	4345×4210×7725 4345×4210×7925	5367×4740×9030

LSP

HIGH SPEED FORGING PRESSES



FEATURES

- The upward and downward material-topping design reduces the inclination of mold cavity so as to minimize the material consumption and so as to save forging materials..
- Strong motivity greatly improves production efficiency.
- The stroke speed can be slowed down, suitable for forging special material forgings such as aluminum, copper and so on.

FEATURES

- The machine has a long stroke which breaks through domestic conventional short stroke specifications such that the machine is more suitable for conducting various kinds of forging and forming operations.
- The windows formed in both sides of machine frame facilitate the transmission of forging materials and enable automatic pressing operation.
- The box-type machine frame has high rigidity which ensures high-precision forging and reduces machining allowance, so is ideal for conducting warm, hot forging operations.
- High production efficiency, simple operation, easy maintenance, so production cost is lowered.

- Specially designed transmission-system reduces noise pollution and complies with environmental laws and regulations.
- Specially designed mold stick release device can easily solve the mold jammed problem and ensures easy operation.
- Tolerates a wider eccentric load to allow multi-workstation forging and good quality of forgings.
- The carefully designed centralized lubrication system reduces frictions among various mechanical parts.
- The multiple safety operating loop systems ensure operator's safety.
- The precision is in line with the CNS inspection standards of the National Central Bureau of Standards.

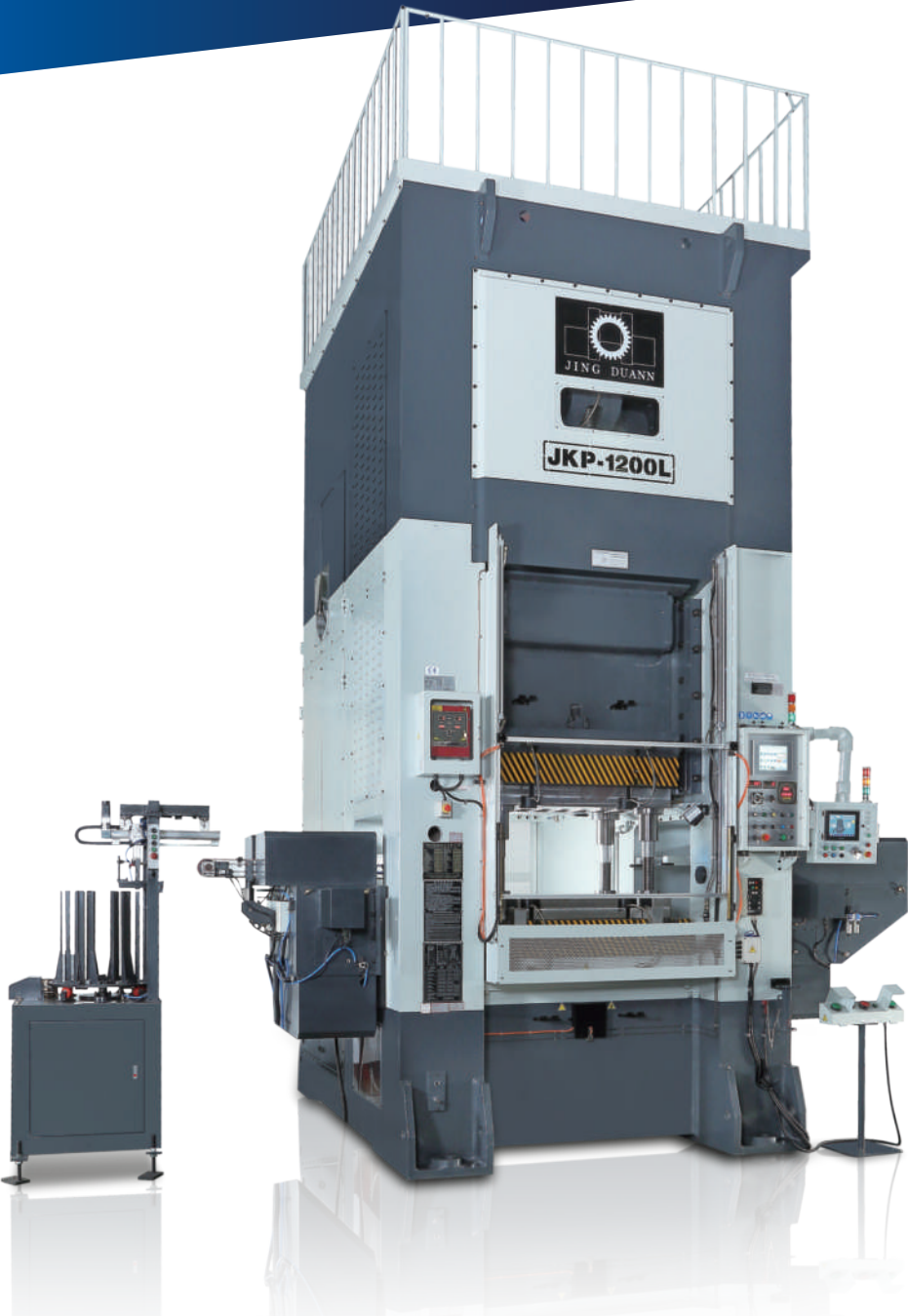
*This design is subject to change without notice.



ITEM	MODEL	UNIT	LSP-300	LSP-600
Capacity		Tons	300	600
Stroke of ram		mm	350	450
Adjustment of ram		mm	50	70
Number of stroke		Spm	20-35	25-35
Work number of stroke		Spm	15	15
Shut height		mm	800	930
Rated tonnage point		mm	15	20
Ram dimension (L-R & F-B)		mm	690×690	880×880
Table dimension (L-R & F-B)		mm	790×860	1000×1000
Side window (L-R & F-B)		mm	400×600	550×650
Main motor		Kw×P	37kw×4p	VF-55kw×4p
Ejector in the ram		Tons-mm	3Ton – 30mm	3Ton – 30mm
Ejector in the table		Tons-mm	15Ton – 100mm	15Ton – 80mm
Press weight		Kg	35,000	52,000
Press Dimension (L×W×H)		mm	2860×2954×4878	3280×3305×6170

JKP

KNUCKLE JOINT DEVICE COLD FORGING PRESSES

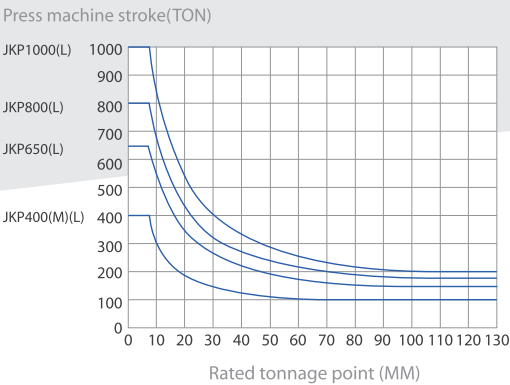


*Our Standard Accessories for this type of machines are not include the automated feeding system.

FEATURES

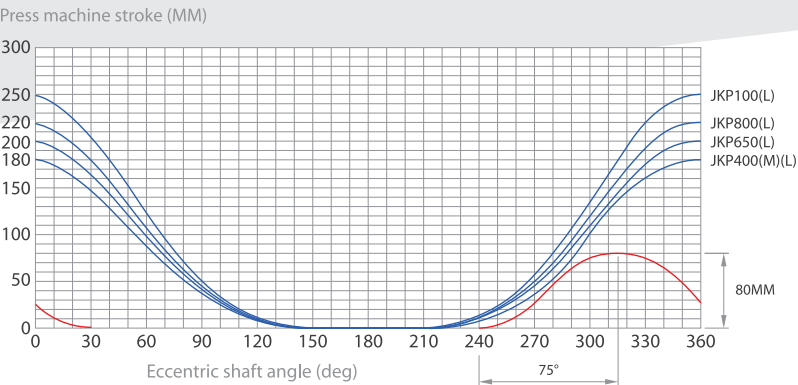
■ The JKP presses are cold forging presses suitable for continuous production and automation of multiple projects. This series can be combined with automation equipment to realize an operator's production plan for multi-line products and even achieve unmanned production mode. In continuous multi-engineering, with automatic feeding and delivery, it will not waste production space and reduce the trouble of management. If the automatic production method is adopted, the production efficiency can be improved by more than three times compared with a single project.

Diagram of forging press Capacity



Rated tonnage point: 8MM
Press machine stroke: JKP400(M)(L)=180MM, JKP650(L)=200MM, JKP800(L)=220MM, JKP1000(M)=250MM

Diagram of ejecting stroke

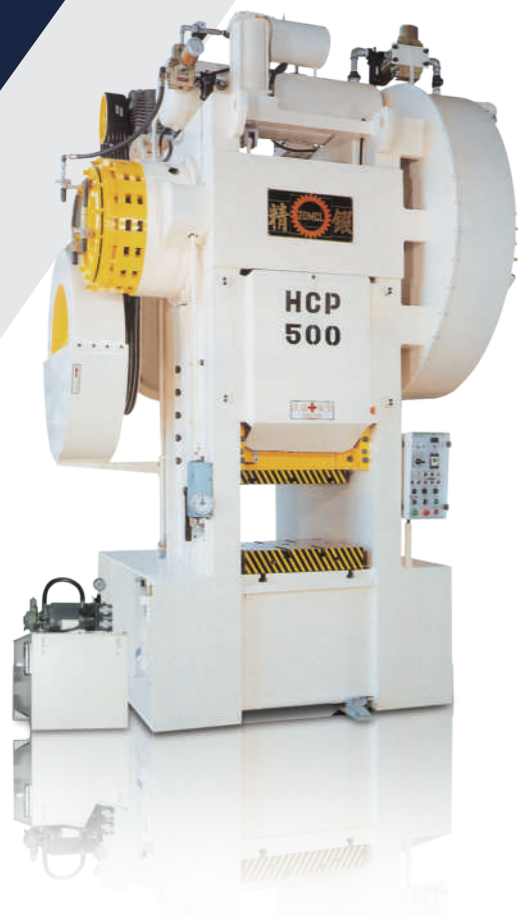


*This design is subject to change without notice.

ITEM \ MODEL	UNIT	JKP-400M	JKP-400L	JKP-650L	JKP-800L	JKP-1000L	JKP-1200L
Capacity	Tons	400	400	650	800	1000	1200
Stroke of ram	mm	180	180	200	220	250	250
Adjustment of ram	mm	15	15	15	15	15	15
Number of stroke	Spm	40	40	35	35	30	30
Work number of stroke	Spm	12	12	12	12	12	12
Shut height	mm	600	620	807.5	850	957.5	1107.5
Rated tonnage point	mm	8	8	8	8	8	8
Ram dimension (L-R & F-B)	mm	400×500	600×600	750×700	800×800	1020×1000	1400×1200
Table dimension (L-R & F-B)	mm	580×700	700×700	900×840	950×900	1200×1000	1580×1200
Side window (L-R & F-B)	mm	420×410	420×430	600×500	650×600	850×650	950×800
Main motor	Kw×P	Variable speed change 37kw×4p Fixed speed 30kw×6p	Variable speed change 37kw×4p Fixed speed 30kw×6p	Variable speed change 55kw×4p Fixed speed 45kw×6p	Variable speed change 75kw×4p Fixed speed 55kw×6p	Variable speed change 75kw×4p Fixed speed 55kw×6p	Variable speed change 90kw×6p Fixed speed 90kw×6p
Ejector in the ram	Tons-mm	6Ton – 30mm	6Ton – 30mm	6Ton – 30mm	6Ton – 30mm	6Ton – 30mm	6Ton – 30mm
Ejector in the table	Tons-mm	30Ton – 80mm	30Ton – 80mm	30Ton – 80mm	30Ton – 80mm	30Ton – 80mm	50Ton – 80mm
Press weight	Kg	35,000	38,000	48,000	68,000	92,000	110,000
Press Dimension (L×W×H)	mm	1800×3215×4980	2003×3234×5000	2311×3678×5530	2668×4238×6300	2965×4588×6980	3485×4618×7230

HCP SERIES

/ HIGH SPEED FORGING PRESSES



FEATURES

- The machine is welded by high rigid steel plates, and being normalized for stress relieving, eliminated all the internal stress. It's well organized, has strong body, ensure heavy stroke and is permanently durable.
- Use automatic centralized lubricate system, it is PLC controlled which is very reliable and can increase the life span of the machine.
- Multiple safe circuit loop control, protect the machine and extend the life span of the machine.
- The crank shaft is forged by S45C carbon steel. it's normalized after forging then machined and fine ground. It has super wearing-resistance and won't change shape ever.
- The cycle time of one stroke is quite short that can eliminate the wearing of the molds and promote the production.

*This design is subject to change without notice.

ITEM \ MODEL	UNIT	HCP-200	HCP-300	HCP-400	HCP-500	HCP-600
Capacity	Tons	200	300	400	500	600
Stroke of ram	mm	150	200	150	150	200
Adjustment of ram	mm	50	50	50	50	50
Number of stroke	Spm	100	80	90	85	80
Work number of stroke	Spm	18	16	18	16	16
Shut height	mm	450	600	480	510	600
Rated tonnage point	mm	5	5	5	5	5
Ram dimension (L-R & F-B)	mm	600×450	630×470	650×500	670×600	670×600
Table dimension (L-R & F-B)	mm	700×800	700×860	750×920	770×1100	770×1100
Side window (L-R & F-B)	mm	320×320	320×520	320×320	400×370	400×510
Main motor	Kw×P	18.5kw×6p	30kw×6p	37kw×6p	37kw×6p	45kw×6p
Ejector in the ram	Tons-mm	3Ton – 20mm	3Ton – 20mm	3Ton – 20mm	3Ton – 20mm	3Ton – 20mm
Ejector in the table	Tons-mm	5Ton – 40mm	5Ton – 40mm	5Ton – 40mm	5Ton – 40mm	5Ton – 40mm
Press weight	Kg	17,500	22,000	27,000	32,000	35,000
Press Dimension (L×W×H)	mm	2550×2135×3820	2630×2181×4245	2675×2307×4068	2829×2490×4310	2829×2490×4450

C SERIES

/ PNEUMATIC C TYPE PRESSES



APPLICATION

Pneumatic Press C series press is suitable for trimming, bending, piercing processes for metal parts after forging.

FEATURES

- High precision:
The frame is made by tough steel plate with CO2 welded and tempered to eliminate internal stress. It can withstand strong and lasting heavy strike.
- Accurate actuation:
Use a coupling air clutch, brake, with accurate actuation.
- High security:
With automatic forced lubrication, multiple safety control loops which to protect machine safety and extend service life.

*This design is subject to change without notice.

ITEM \ MODEL	UNIT	C-100	C-150	C-200
Capacity	Tons	100	150	200
Stroke of ram	mm	200	250	250
Adjustment of ram	mm	50	50	50
Number of stroke	Spm	67	50	50
Work number of stroke	Spm	12	12	12
Shut height	mm	350	500	600
Rated tonnage point	mm	6	6	6
Ram dimension (L-R & F-B)	mm	390×330	600×450	700×520
Table dimension (L-R & F-B)	mm	820×540	1200×640	1300×740
Side window (L-R & F-B)	mm	*	*	*
Main motor	Kw×P	7.5kw×6p	11kw×6p	15kw×6p
Ejector in the ram	Tons-mm	1Ton – 30mm	1Ton – 40mm	1Ton – 40mm
Ejector in the table	Tons-mm	*	*	*
Press weight	Kg	8,500	14,000	20,000
Press Dimension (L×W×H)	mm	1764×1905×3092	2062×2385×3860	2257×2656×4130

LP SERIES

/ LINK MOTION PRESSES



FEATURES

- Link Motion design with very strong machine structure that can realize high precision and high production to insure the quality of forging parts.
- Ready for automation system can realize automatic mass production.
- Small noise and low vibration fulfill the requirements of precision working environment.
- Link Motion design makes the stroke beginning at a higher speed, smoothly forming metal dead point, and rapid return to zero position.
- Automatic Lubrication System keeps the machine well lubricated.

*This design is subject to change without notice.

ITEM	MODEL	UNIT	LP80		LP120		LP160		LP200	
			S	H	S	H	S	H	S	H
Capacity		Tons	80		120		160		200	
Stroke		mm	90	150	110	180	120	200	130	220
Number of stroke	Spm		Fixed speed 60		Fixed speed 50		Fixed speed 40		Fixed speed 35	
			Variable speed change 80-35		Variable speed change 60-30		Variable speed change 50-20		Variable speed change 50-20	
Rated tonnage point		mm	7	4	11	6	12	6	13	6
Shut height		mm	345	330	365	350	470	450	470	450
Adjustment of ram		mm	40		40		40		40	
Ram dimension		mm	560×420		650×480		700×550		850×640	
Bolster dimentsion		mm	1000×550		1150×600		1250×800		1450×820	
Thickness of platform		mm	130		150		160		180	
Height of operating surface		mm	840		850		920		1040	
Main motor		HP×P	7.5HP×4P		10HP×4P		15HP×4P		20HP×4P	
Adjusting motor		HP×P	0.5HP×4P		0.5HP×4P		1HP×4P		1HP×4P	
Press dimension		mm	1250×1810×2995		1380×1980×3460		1575×2285×3810		1720×2565×4090	
Press weight		Ton	7.5		11.5		17.5		23	

CR SERIES

/ REDUCING ROLLER MACHINE



APPLICATION

CR Series Forging Roller is suitable for performing and material extend and rolling works of hand tools, vehicle parts, and bicycle parts.

FEATURES

- CR series roller is use pneumatic brake and clutch that can ensure precise work.
- Rigid machine body through tempering and reduce inner stress; thus structure is strong and durable.
- Special and simple structure design let the machine easy to maintenance.
- Metal after rolling can extend its length. Through this way, it can save material.

*This design is subject to change without notice.

ITEM	MODEL	UNIT	CR125	CR150	CR175
Specification		L	\$ 300×220L	\$ 360×240L	\$ 510×240L
Maximum size of work		mm	\$ 38	\$ 50	\$ 80
Maxi. length of finished product		L	450	550	750
Main horse power		HP×P	15HP×6P	25HP×6P	40HP×6P



1 CUTTING MACHINE

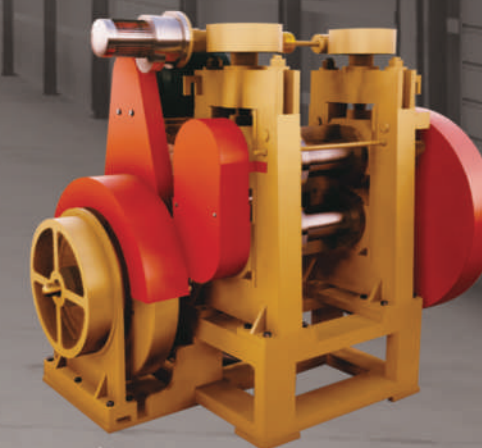


2 HEATING FURNACE

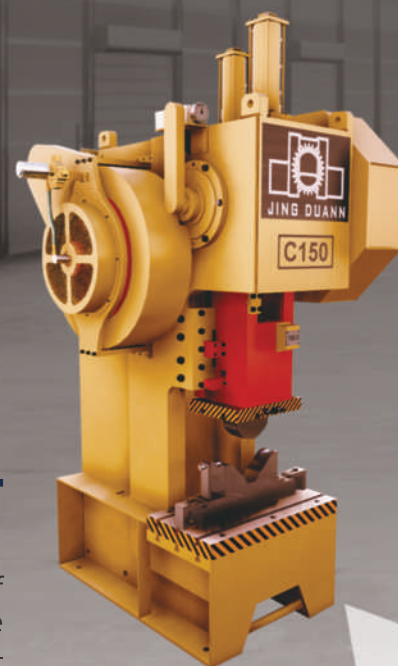


PROCESS

3 ROLLING MILL



5 TRIMMING PRESS



4 FORGING PRESS



WHOLE-PLANT FORGING EQUIPMENT

JING DUANN Machinery Co., Ltd. has accumulated more than 40 years of experience in the forging industry. It is deeply recognized that only the well-planned plant layout and proper mechanical orientation configuration can achieve maximum production efficiency. Therefore, in order to improve the production capacity of customers, JING DUANN Machinery Co., Ltd. can support to Customers product feature requirements, providing exclusive plant layout design assistance.

We have an excellent management team, adhering to the business philosophy of "precision of its parent machine, developed forgings", and pursuing sustainable operation and growth for our company; in addition to the overall operational stability, the profit situation is also increasing year by year, even more domestically. We are the one of the best manufacturers. We're Provide professional whole-plant forging equipment in order to the best production process which save your planning time and investment cost, not only provide you with excellent forging machinery, but also provide you with professional whole plant planning.



PROFESSIONAL AUTOMATION INTEGRATION

JING DUANN has excellent automated system integration capabilities to meet customer needs. In good faith for customer service, providing design and manufacturing of production automation application modules required for cold and hot forging.

Our services provide automation equipment for the customer's entire forging line. The hardware includes forging machine supply, mold design, robotic arm transfer and AGV unmanned van...etc. And the system of software part which including the planned production management and manufacturing system.

We're provide customers with a full range of solutions and quality products and perfect service quality.

Professional technical advantages:

JING DUANN has nearly 40 years of professional experience in resources integrating, anticipates processing operations, considers maximum capacity efficiency and safe work environment, and provides customers with excellent automatic equipment system.

Completed product category:

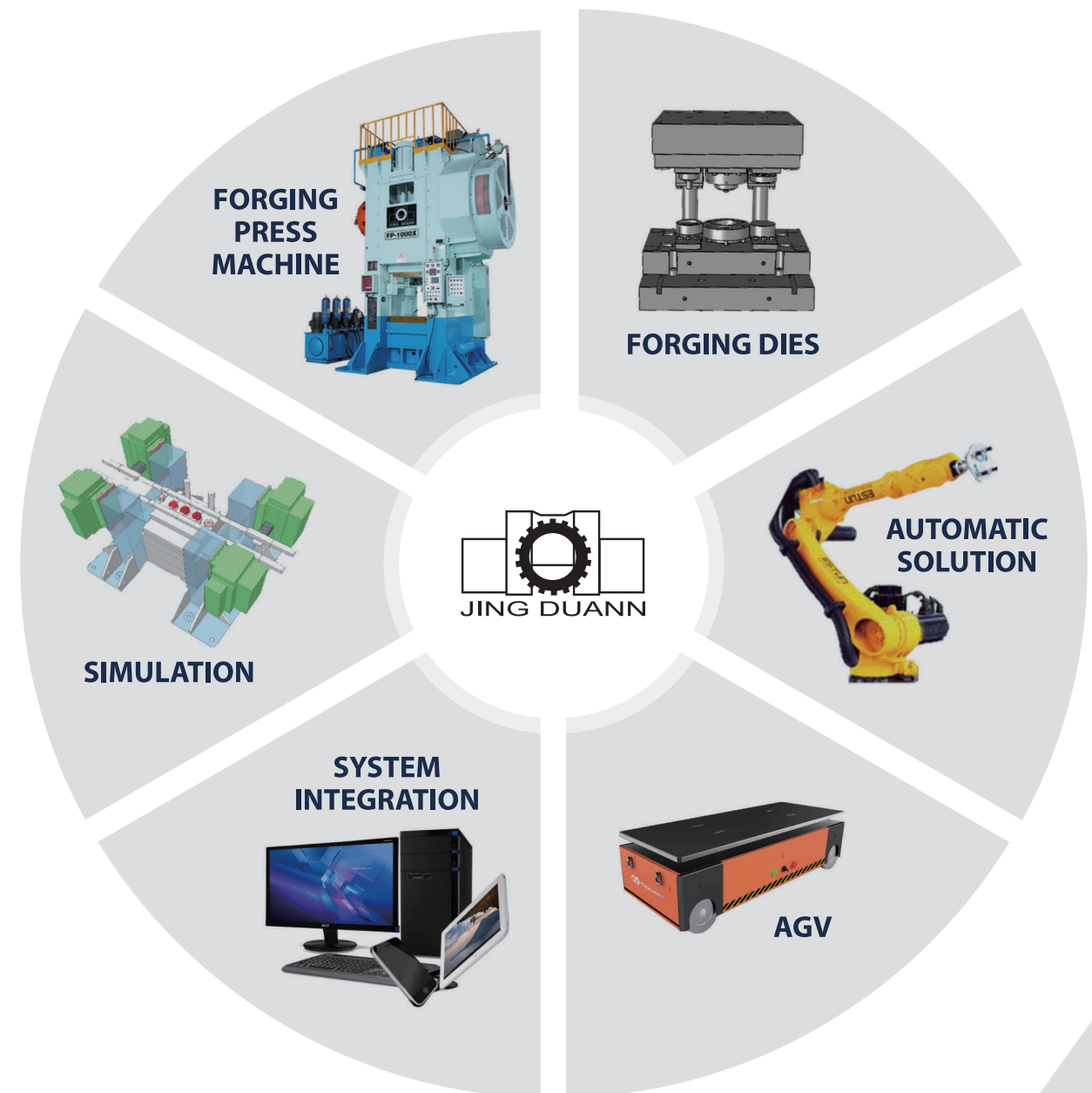
In accordance with customer's manufacturing process, equipment, etc., we design Tri-axis servo transfer devices, robotic arms and peripheral equipment to tailor-make automatic production lines that meet customer needs.

Production line simulation:

Use 3D software to integrate process and production line, help customers to realize the production capacity in early stage of actual mass production, and reduce unnecessary cost waste.

Electronic control system integration:

JING DUANN has professional engineering team of electronic control system, through the electronic control system programming and integrating to help companies enter the field of automatic intelligent production, effectively enhance the competitiveness of enterprises.



MEMO

MEMO