

锻造机械

Forging Machinery



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中机液压江苏
股份有限公司

何克建题

公司核心价值观

为客户创造价值 为员工创造机会
为股东创造效益 为社会承担责任

公司质量方针

顾客为本 诚信服务 持续创新 精益求精

公司发展战略

控制关键 掌握核心 立足高端 面向国际

公司经营理念

崇匠务实 勤勉敬业 追求精益 敢为人先

Core Values

Creating values for the customers / Creating opportunities for the workers
Creating benefits for shareholders / Undertaking responsibility for society

Quality Target

Customer first / Sincere service
Continuous innovation / Keep improving

Developing Strategy

Controlling key / Mastering core
Basing on high-end / Facing international

Business Philosophy

Adoring craftsman / To be diligent and pragmatic
Pursuing excellence / To become pioneers



企业介绍 Enterprise introduction

中机锻压江苏股份有限公司是中央科技型企业北京机电研究所的控股子公司，位于中国最具活力的长三角北翼、中国东部沿海与苏北沿江高铁及高速公路交汇处——国家级海安经济技术开发区。

中机锻压的主营业务分三大类：锻造机械、钣金机械、桩工机械。

锻造机械主要包括程控全液压模锻锤、随动控制全液压自由锻锤、离合器式螺旋压力机、热模锻压力机、自动辊锻机、高刚度精密楔横轧机、锻造辅助设备及自动化生产线，包含锻造模具与工艺。

钣金机械主要包括高速伺服液压机、船用卷板机、上辊万能式卷板机、水平下调式卷板机、四辊卷板机、车辆专用卷板机、钢管卷制制管线、校平机、钣金自动化生产线。

桩工机械是程控锻锤的衍生产品，主要包括水下液压打桩锤、陆地液压打桩锤、内击式液压锤、高速液压夯实机。将历经千锤百炼的程控全液压锤技术成功应用于打桩、夯实等基础施工机械是中机锻压的专长。

中机锻压设有产业研究院——海安北京机电研究所锻压产业研发中心，注重以提高产品可靠性、工作精度及绿色智能化为重点的基础研究，拥有多项具有自主知识产权的成形技术、桩工技术、装备及系统集成技术，多次获得国家级或省部级奖励。

中机锻压附有锻造设备应用及工艺实验工厂——江苏汇洋精锻有限公司。

中机锻压可为用户提供主机设备制造、生产线调试、锻件生产试验等一整套交钥匙级别的全套技术服务。

中机锻压占地 56000 平米，全钢结构厂房近 2 万平米，总装厂房最大单件起吊能力 120 吨，金切车间拥有多台大型数控、数显金属切削加工设备，最大工件加工范围 4×12 米。公司已通过 ISO9001 质量管理体系认证和产品 CE 认证。

中机锻压将坚持“控制关键、掌握核心、立足高端、面向国际”的发展战略，秉承“崇匠务实、勤勉敬业、追求精益、敢为人先”的经营理念，充分利用一切可以利用的社会资源，全力打造具有锻压行业、桩机行业综合制造与系统集成能力及具有国际竞争力的国家级绿色智能锻造、钣金、桩工装备制造基地。

We, China Forging Machinery Co., Ltd. (CFM) are the holding subsidiary of Beijing Research Institute of Mechanical and Electrical Technology (BRIMET, a branch of China Academy of Machinery Science and Technology administrated directly by SASAC). CFM is located in National Haian Economic and Technical Development Zone, which is in the north of Yangtze Delta Area, at the cross point of China eastern and Jiangsu northern high speed rail along the sea and high expressway.

Our products are mainly divided into three categories. The first category is forging machinery, including CNC fully hydraulic die forging hammer, follow-up control fully hydraulic free die forging hammer, high energy clutch-operated screw press, hot die forging mechanical press, automatic forging roll, cross wedge roll, auxiliary forging machines, automatic forging lines, die and forging process. The second category is fabricating machinery, including high speed servo-driven hydraulic press, rolling machine for ship, upper roller universal rolling machines, horizontal lower adjusting rolling machine, four roller rolling machine, rolling machines for autos, steel pipe rolling line, leveler and automatic sheet metal forming lines. The third category is piling machinery, including off-shore hydraulic piling hammer, on-shore hydraulic piling hammer and hydraulic rapid impact compaction.

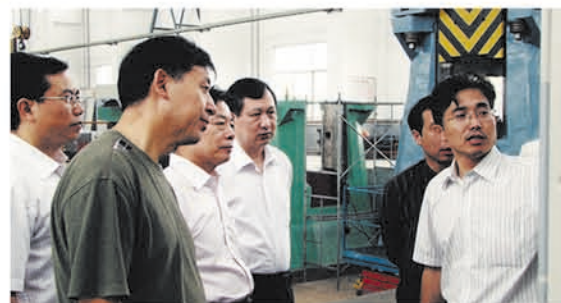
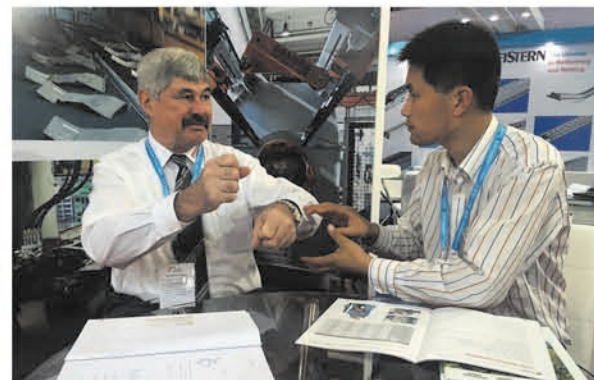
Our factory occupies 56,000 square meters, with nearly 20,000 square meters full steel frame workshop. Assembly workshop maximum lifting capability is 120 tons. The metalworking workshop has large CNC and digital display metal cutting machines with maximum machining size of 4X12 meters. We have been certified by ISO9001 quality management system and CE certificate.

We also have one production research institute, BRIMET Production Research Center, mainly for improving products reliability, working accuracy and green intelligent. It has many independent intellectual property rights on forming technology, piling technology, equipment and system integrated technology. And it has got national and province rewards many times.

Additionally, we have one subsidiary factory, Jiangsu Huiyang Precision Forging Co., Ltd., mainly for trialing our forging machines and process. So we can provide turnkey solutions for customers, including machine manufacturing, production line debugging and forgings preproduction.

We will insist on the developing strategy of "controlling key, mastering core, basing on high-end and facing international", and adhering to business philosophy "adoring craftsman, to be diligent and pragmatic, pursuing excellence, to become pioneers". We will do our best to build the state-level and international competitive industrial base.









全球市场及主要客户

Global market & main customers

中机锻压开发的绿色智能锻造机械、锻造自动化生产线、钣金机械、钣金自动化生产线、桩工机械等，在国内外享有很高的声誉，产品已出口俄罗斯、美国、德国、泰国、印度、土耳其、丹麦、日本、韩国、马来西亚、巴基斯坦、台湾、印尼、缅甸、叙利亚、越南等国家和地区。

中机锻压成为多家跨国客户的优秀合作伙伴，与客户建立了共同发展的战略合作关系，全面满足顾客各方面的高标准要求是我们永恒的目标。

最优的质量、及时的供货、快速的响应和持续的改进，让我们不断超越、满足顾客的需求。

CFM enjoys high reputation at home and abroad for its the green intelligent forging machinery, automatic forging lines, fabricating machinery, automatic sheet metal forming lines, pilling machinery etc. These products have been exported to many countries and regions in the world, such as Russia, USA, Germany, Thailand, India, Turkey, Denmark, Japan, South Korea, Malaysia, Pakistan, Taiwan, Indonesia, Burma, Syria, Vietnam etc.

CFM has become an excellent cooperative partner to several multinational customers and established strategic cooperation relations with them. Satisfying customer high standard requirements with all aspect comprehensively is our eternal target.

High quality, on-time delivery, fast feedback and continuous improvement let us continuously exceed customers' expectations.



C88K系列程控全液压模锻锤

C88K CNC Fully Hydraulic Die Forging Hammer

主要技术参数 main tech.parameter



触摸式的人机界面，数字化输入，中英文故障自动诊断和报警显示；
 打击能量、步序可数字化设定，可降低富余能量的打击，可减少打击噪音、提高模具寿命；
 整体 U 型铸钢锤身，放射状 X 导轨结构，锤头导向精度精准；
 三面镶入式导轨定位，特殊的导轨螺栓防松设计；
 高度集成的全液压控制系统，实现无管联接；
 特殊的系统安全防护设计，确保锻锤安全使用；
 进口蓄能器直接安装在液压系统阀块上，提高了传动效率，更有利于设备维护；
 先进的锥阀式设计，响应速度快，密封性好，不易产生内泄；
 可摆动复合油缸及弹性锤杆柔性设计，高低压双重防外泄设计，大幅度提高锻锤的可靠性；
 在液压系统卸压情况下，进行锤头慢升慢降动作，使更换模具操作更为安全；
 采用内部液压缓冲设计，确保锤头运动安全、协调。

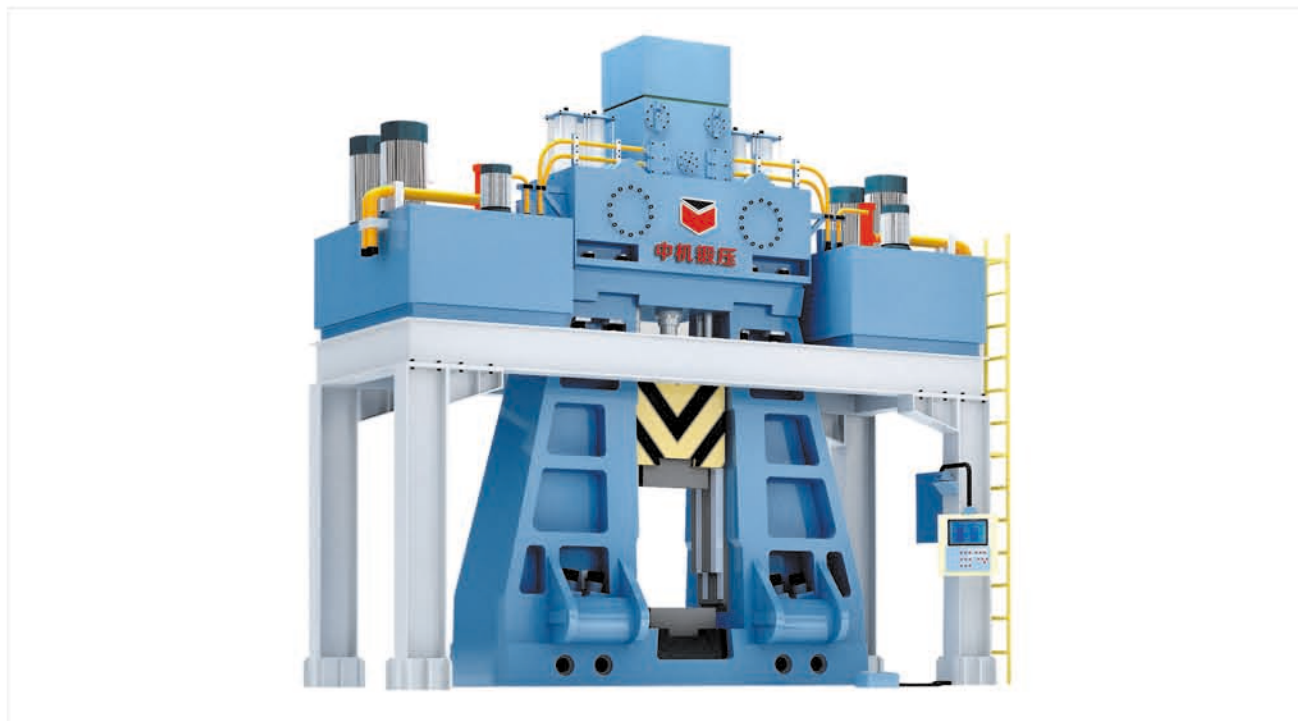
Touch screen man-machine interface, numerical input, fault automatic diagnosis and alarm display in Chinese and English.
 Striking energy and steps can be set numerically, which can reduce the surplus striking energy, lower the noise and prolong die lifetime.
 U-frame one-piece casting steel and radial wide guide rails make ram with high guiding accuracy.
 Three inserted locating faces for the guide rail, special design preventing bolts loosening.
 High integrated hydraulic control system, without any pipe connection.
 Special design for system safety protection, making sure the safety use of the forging hammer.
 Imported accumulator assembled on the hydraulic valve block directly improved the transmission efficiency and easier to maintain.
 Advanced taper valve design, fast response, good sealing and not easy to generate inner leakage.
 Swaying compound oil cylinder and elastic flexible hammer rod, high and low pressure double anti-leakage design, which greatly improved the reliability of the forging hammer.
 Slow up and down in the case of releasing hydraulic system pressure to make die changing safety.
 Inner hydraulic buffer design makes sure ram movement safety and coordination.

型号 type	单位 unit	C88K-16	C88K-25	C88K-31.5	C88K-50	C88K-63	C88K-80	C88K-100	C88K-125	C88K-160
打击能量 striking energy	kJ	16	25	31.5	50	63	80	100	125	160
导轨间距 guide clearance	mm	500	610	660	770	830	890	960	960	960
打击行程 (最小) min.striking stroke	mm	495	520	560	560	640	630	600	700	800
打击行程 (最大) max.striking stroke	mm	630	680	720	720	800	880	850	950	1000
最大打击频率 striking frequency	min ⁻¹	95	90	90	85	80	80	75	70	65
模具最大宽度 max.die width	mm	380	490	540	650	710	760	810	810	810
锤头重量 ram weight	kg	1150	1800	2250	3500	4350	5600	7000	8600	9800
落下部分重量 dropping weight	kg	1350	2100	2700	4000	5000	6300	8000	9800	11000
整机重量 total weight	t	26	42	52	82	104	123	156	195	240
主电机功率 main motor power	kW	30	55	55	2×55	2×55	2×90	2×90	2×110	2×132



CT88K系列程控全液压模锻锤

CT88K CNC Fully Hydraulic Die Forging Hammer



全液压动力驱动系统,避免油气互串;
轻锤动作自由灵活、重锤能量得到有效控制,提高了锻锤的可靠性、适应性;
触摸式的人机界面,数字化输入,中英文故障自动诊断和报警显示;
打击能量、步序可数字化设定,可降低富余能量的打击,可减少打击噪音、提高模具寿命;
长锤头结构,放射状X导轨结构,锤头导向精度保持性好;
动力系统、驱动系统分离式顶置集成安装,地面无液压泵站;
先进的锥阀式设计,响应速度快,密封性好,不易产生内泄;
内藏式蓄能器及管道安装安全设计;
可摆动油缸及弹性锤杆柔性设计,高低压双重防外泄密封设计,可大幅度提高锻锤可靠性;
在液压系统卸压情况下,进行锤头慢升慢降动作,使更换模具操作更为安全;
采用内部液压缓冲设计,确保锤头运动安全、协调。

Fully hydraulic driving system, avoiding oil and air mixing.
Flexible light striking and effectively controlled heavy striking, improved hammer reliability and adaptability.
Touch screen man-machine interface, numerical input, fault automatic diagnosis and alarm display in Chinese and English.
Striking energy and steps can be set numerically, which can reduce the surplus striking energy, lower the noise and prolong die lifetime.
Long ram structure and radial wide guide rails, which keep high guide accuracy of the ram.
Hydraulic driving system and power system assembled on top separately, no hydraulic pump station on floor.
Advanced taper valve design, fast response, good sealing and not easy to generate inner leakage.
Safety design for inner accumulator and pipeline assembly.
Swaying compound oil cylinder and elastic flexible hammer rod, high and low pressure double anti-leakage design, which greatly improved the reliability of the forging hammer.
Slow up and down in the case of releasing hydraulic system pressure to make die changing safety.
Inner hydraulic buffer design makes sure ram movement safety and coordination.

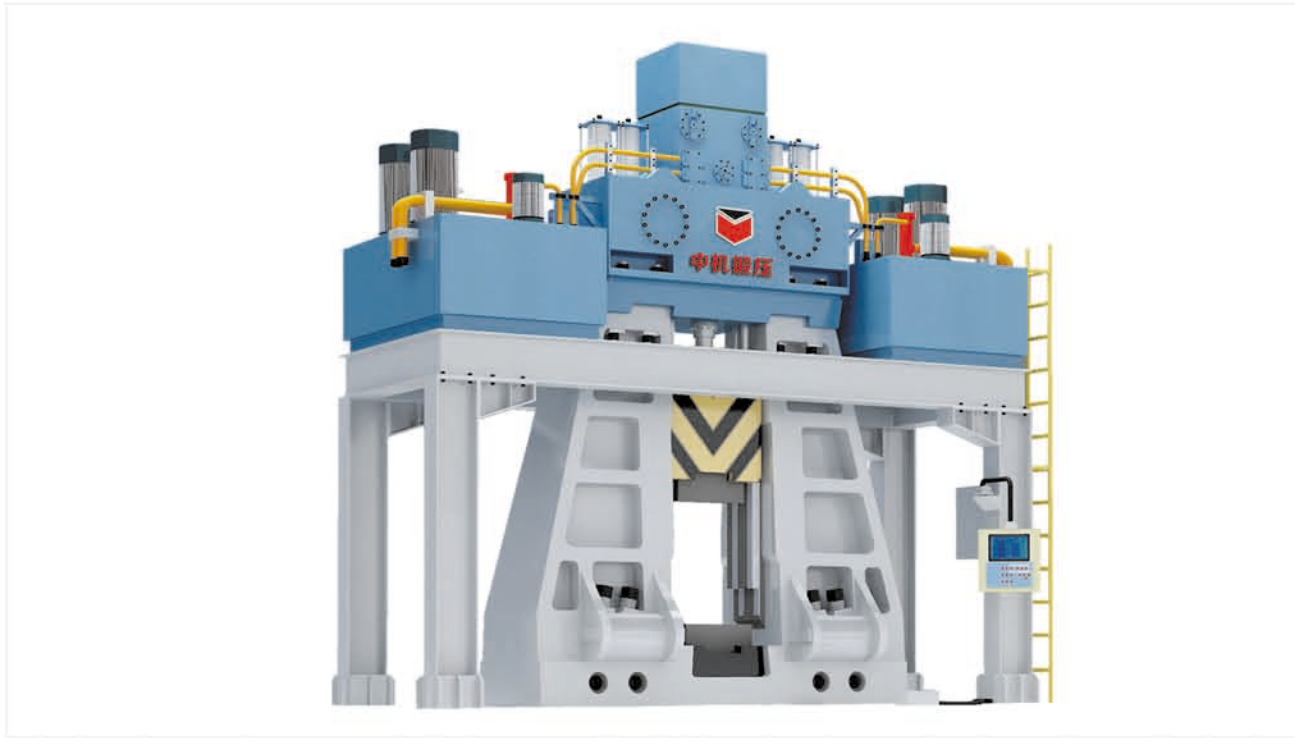
主要技术参数 main tech.parameter

型号 type	单位 unit	CT88K-200	CT88K-250	CT88K-320	CT88K-400	CT88K-450	CT88K-500
打击能量 striking energy	kJ	200	250	320	400	450	500
当量参数 equivalent parameter	t	8	10	13	16	18	20
导轨间距 guide clearance	mm	1000	1000	1100	1200	1300	1300
最大打击频率 max. striking frequency	min ⁻¹	55	50	45	40	40	35
锤头重量 ram weight	kg	10500	11500	13000	16000	18000	20000
落下部分重量 max. drop weight	kg	12500	15000	17000	20000	22000	24000
整机重量 total weight	t	300	450	450	530	560	560
主电机功率 main motor power	kW	4×90	4×90	4×110	4×132	4×132	4×132



CT88KA系列蒸空模锻锤的程控化改造

CT88KA Steam Die Forging Hammer Conversion



主要技术参数 main tech.parameter

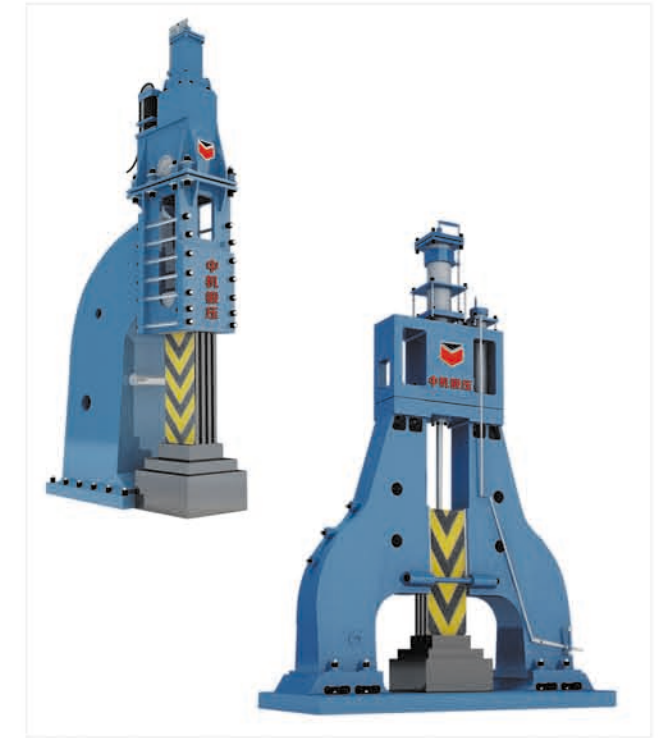
型号 type	单位 unit	CT88KA-50	CT88KA-80	CT88KA-125	CT88KA-200	CT88KA-250	CT88KA-320	CT88KA-400	CT88KA-450
打击能量 striking energy	kJ	50	80	125	200	250	320	400	450
当量参数 equivalent parameter	t	2	3.15	5	8	10	13	16	18
导轨间距 guide clearance	mm	600	680	730	1000	1000	1100	1200	1300
最大打击频率 max. striking frequency	min ⁻¹	80	70	60	55	50	45	40	40
锤头重量 ram weight	kg	3400	5100	8000	10500	11500	13000	16000	18000
落下部分重量 max. drop weight	kg	4100	6100	9500	12500	15000	17000	20000	22000
最大打击行程 max. striking stroke	mm	850	900	1000	1050	1100	1200	1350	1600
主电机功率 main motor power	kW	2×55	2×90	4×55	4×90	4×90	4×110	4×132	4×132

C61Y单臂/C66Y双臂随动控制全液压自由锻锤

C61Y Single / C66Y Double Arm Follow-up Control Fully Hydraulic Open Die Forging Hammer

采用全液压驱动，杜绝了工作缸油气互串和漏气问题；
回程时活塞上腔没有背压，回程速度较快，打击频次高；
活塞上下都是液压油，密封件的寿命大大提高；
活塞下腔通常高压，锤击后锤头立即回程，无粘锤现象；
液压系统压力稳定，容易实现打击能量的精确控制；
结构简单，故障率低，是液气锤的升级换代产品。

Fully hydraulic driving system, avoiding oil and air mixing.
When ram returns, there is no back pressure in upper chamber, so return speed is fast and striking frequency is high.
Both upper and lower chamber of the piston are filled with hydraulic oil, thus the lifetime of the sealing elements is long.
Lower chamber of the piston are always connected with high pressure oil, so the ram can return at once after striking and contacting time is short.
Hydraulic system pressure is stable, so it is easy to realize striking energy precise control.
Simple structure and low malfunction rate.
The hammer can take place of hydra-pneumatic hammer.



主要技术参数 main tech.parameter

型号 type	单位 unit	C61Y-120	C61Y-150	C66Y-35	C66Y-70	C66Y-152	C66Y-180	C66Y-280	C66Y-350
打击能量 striking energy	kJ	120	150	35	70	152	180	280	350
落下部分重量 max. drop weight	t	3	5	1	2	3	5	8	10
最大工作行程 max. working stroke	mm	1300	1500	1000	1260	1450	1800	2200	2500
最大打击频率 max. striking frequency	min ⁻¹	110	100	120	120	120	110	95	90
主电机功率 main motor power	kW	55×4	55×5	55×1	55×2	55×4	55×5	55×7	55×10
柱塞泵流量 piston pump flow	L/min	230×4	230×5	230×1	230×2	230×4	230×5	230×7	230×10
冷却电机功率 cooling motor power	kW	11	11	7.5	7.5	11	30.5	11×2	11×2
整机重量 total weight	t	80	130	40	65	95	150	290	340

J55系列离合器式螺旋压力机

J55 Clutch-operated Screw Press

飞轮速降 12.5% 即可输出最大能量, 锻件成形速度在 0.5 m/s 左右基本不变;
如采用变频驱动, 此成形速度可在 0.25m/s~0.6m/s 间调整, 用于合金锻件成形;
采用液压离合器控制, 可实现轻重打击及连续打击, 打击能量可实现全行程加载;
高的成形能量: 约为同规格其他类型螺旋压力机的两倍;
采用圆柱导轨与 X 型导轨双重导向, 具有很强的抗偏载能力, 可实现多工位锻造;
滑块行程长, 无固定下死点, 便于灵活调整模具, 可提高生产效率、模具寿命;
采用液压回程, 飞轮无需反转, 飞轮能量损失小, 装机功率小, 具有高效节能特点;
计算机控制, 可预设打击力、打击行程、编程多工位锻打, 自动显示故障;
适合配置在中、大批量连续生产线, 实现高精度、高效率、节能、节材生产。



The maximum energy can be output just by dropping 12.5% of the flywheel speed and the forming speed can be keep stably at 0.5m/s or so.
Using the VFD, the deforming speed is adjustable between 0.25m/s to 0.6m/s, which is suitable for alloy forgings.
Using hydraulic clutch control can realize the heavy and light striking and continuous striking, and the striking energy can be loaded at any point of the stroke.
High deforming energy, twice compared with other screw presses with the same specification.
Using duplex guides of cylindrical guide and the X shape guide, assure eccentric load and suitable for multi-station forging process.
Long slider stroke without fixed bottom dead point, it is convenient to adjust dies, which will improve the product efficiency and the die lifetime.
Using hydraulic cylinder for return stroke, the flywheel does not need to revolve reversely, so the flywheel energy loss and installed power are small. It is energy-efficient.
Striking energy, striking stroke, multi-station forging can be preset by PLC. And it can display fault information automatically.
It is suitable for continuous product lines for moderate and mass production, and can realize high precision, high efficiency, energy saving and material saving.

主要技术参数 main tech.parameter

型号 type	单位 unit	J55-630	J55-800	J55-1000	J55-1600	J55-2000	J55-2500	J55-3150	J55-4000
公称压力 nominal force	kN	6300	8000	10000	16000	20000	25000	31500	40000
最大打击力 max. Striking force	kN	8000	10000	12500	20000	25000	31500	40000	50000
有效变形能量 effective energy	kJ	100	150	220	420	500	750	850	1000
滑块最大行程 max. stroke	mm	335	355	375	425	450	500	625	625
最小装模空间 min. die space	mm	560	630	670	800	860	960	960	1060
工作台面 前后 X 左右 table size(fb x lr)	mm	900 x 750	950 x 800	1000 x 850	1250 x 1000	1200 x 1200	1400 x 1400	1450 x 1450	1600 x 1600
主电机功率 main motor power	kW	30	37	45	90	90	132	132	180
整机重量 total weight	t	32	44	56	110	180	250	290	350

MP系列热模锻压力机

MP Hot Die Forging Press

生产效率高, 模具与工件接触时间短, 使用寿命长;
飞轮惯量大, 输出能量高, 特别适合于零件的模锻和挤压成形;
组合式机身+ 液压螺母预紧, 有效地解决了闷车的问题;
整体刚度好, 采用“X”形导轨, 导轨间隙热敏感度小, 锻件精度高;
采用双支点连杆和加长导轨, 抗偏载能力强, 可实现多工位操作;
配置强力上下顶出机构, 顶杆可灵活配置;
可与机械手和其他设备组成自动化锻造线;
具有润滑监控、吨位监控、轴温监控、故障显示和系统运行状态显示等功能。



High efficiency, short die and forging contacting time, long service time.
High inertia of flywheel and high output power.
Suitable for forging and extruding of work-piece.
Combined frame and hydraulic nut pre-tightening resolve the problem of jam effectively.
High rigidity.
X shape guide reduces the thermal sensitivity of guide clearance and improves forging precision.
Using two point rod and longer guide to assure eccentric loads and realize multi-station operation.
Powerful slider-ejector and bed-ejector and knock-out pin can be configured flexibly.
Matching with mechanical arm and other auxiliary machines to be an automatic forging line.
With lubrication, tonnage and axis temperature monitoring, fault display and operating status display.

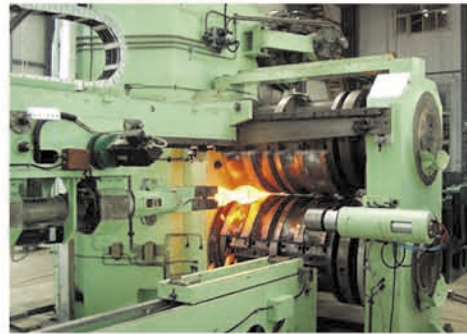
主要技术参数 main tech.parameter

型号 type	单位 unit	MP-630	MP-1000	MP-1600	MP-2000	MP-2500	MP-3150	MP-4000	MP-5000	MP-6300
公称压力 nominal force	kN	6300	10000	16000	20000	25000	31500	40000	50000	63000
滑块最大行程 stroke of slide	mm	220	250	280	300	320	340	360	400	450
滑块行程频率 strokes per minute	min ⁻¹	110	100	90	85	80	60	55	50	50
封闭高度 max. Shut height	mm	630	700	875	950	1000	1050	1110	1500	1650
封闭高度调节量 shut height adjustment	mm	11	14	18	20	22.5	25	28	32	35
工作台面尺寸 area of table	左右 lr	mm	690	850	1050	1210	1300	1400	1500	1840
	前后 fb	mm	920	1120	1400	1530	1700	1860	2050	2350
主电机功率 main motor power	kW	45	55	95	112	132	190	250	250	320

ZGD系列自动辊锻机

ZGD Automatic Forging Roll

采用 PLC 控制, 人机界面可设定、调整各运动状态, 可故障诊断、报警及显示;
采用偏心轮结构调整轧辊中心距和专用的消除齿隙机构, 结构紧凑, 布局合理;
采用自动润滑装置;
液压油箱设冷却装置、加热装置, 并设油温、油位报警;
具有液压慢速启动, 快速辊锻成形的特点;
气动摩擦离合器和制动器, 具有单动、连动、点动等多项功能;
辊锻机与辊锻机械手之间的动作由 PLC 进行控制;
可实现工件自动送入及锻造, 提高生产效率和产品质量, 降低工人的劳动强度;
小规格辊锻机机械手夹钳横移可选用伺服电机和滚珠丝杆结构;
可采用变频电机驱动、恒温加热装置用于铝合金辊锻成形。



It is controlled by PLC, man-machine interface, the state of all the motion can be set and adjusted by touch screen and with fault automatic diagnosis, alarm and indication.
The eccentric adjustment for rollers center distance and the automatic backlash compensation for circular tooth of the big gears make the structure compact and arrangement reasonable.
With automatic lubrication device.
Hydraulic oil tank has cooling and heating device, temperature and level alarm.
With the features of slow hydraulic start and rapid rolling.
Both pneumatic friction clutch and brake have the functions of single-action, serial action and inching etc.
The relevant movement between the forging rolls and mechanical arm is controlled by PLC.
The work-piece is input automatically to realize automatic forging, which not only improve the production efficiency and quality, but also reduce the labor intensity.
The lateral moving of mechanical arm clamp can be driven by the servo motor and the ball screw structure.
Variable frequency electric motor drive device and constant heating device are used for alloy roll forging.

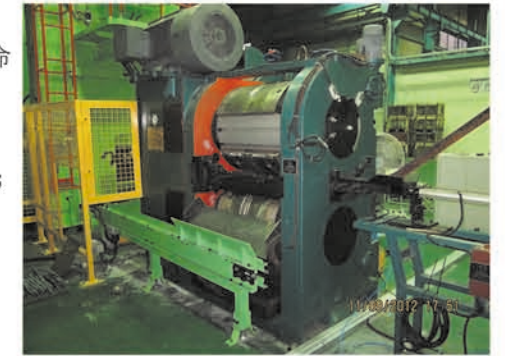
主要技术参数 main tech.parameter

型号 type	单位 unit	ZGD-370	ZGD-460	ZGD-560	ZGD-680	ZGD-1000	ZGD-1250
辊锻模外径 outer diameter of rolling die	mm	370	460	560	680	1000	1250
辊锻可使用宽度 width in commission for rolling	mm	500	570	700	850	1200	1400
辊锻件最大长度 max.length of work-piece	mm	570	710	870	1050	1920	2500
辊锻中心距调整量 adjustment of center distance	mm	15	17	20	20	25	20
轧辊转速 rotating speed of roller	rpm	62	56	52	40/25	30	8
最大坯料尺寸 max.blank dimension	mm	□50 Φ55	□65 Φ75	□90 Φ100	□110 Φ125	□140 Φ160	□180 Φ200
手臂纵向行程 longitudinal stroke of transfer arm	mm	490	630	758	800	7000	7000
手臂横向行程 lateral stroke of transfer arm	mm	435	505	550	750	920	1420
可夹持最大重量 max.load capacity	kg	12	12	30	50	150	250
机组主电机功率 main motor power	kW	18.5	22	55	132	250	355
整机重量 total weight	t	10	12.5	22	60	70	120

D46系列高刚度精密楔横轧机

D46 High-rigidity Precise Cross Wedge Roll

精密成形阶梯轴类锻件的先进工艺, 在汽车、工程机械等众多行业广泛应用;
生产效率是模锻的 2-5 倍, 无飞边成形, 材料利用率提高 10%-35%, 模具寿命提高 10 倍以上, 锻件精度可达 GB/T 12362-2003 标准中的精密级;
采用自主研发的双偏心中心距调节机构专利技术;
率先实现轧辊可拆卸、连续加热、转速可调、伺服电机调节中心距等先进技术;
具有设备刚度高、自动化程度高、便于生产线集成等显著优势;
工作环境好, 轧制过程无冲击, 低噪音, 符合现代制造业的环保要求;
致力于开发推广钢锻件及铝合金锻件楔横轧精密成形生产线成套技术;
将加热炉、楔横轧机、自动生产线控制等技术服务融为一体, 实现交钥匙工程。



The advanced process which is precise for forging multi-diameter shafts is widely used in many industries like automobile, engineering machinery etc.
The productivity is twice to five times of traditional die forging. The material usage can be improved 10%-35%, because of no flash. So the die lifetime is prolonged at least 10 times than used in other traditional machinery.
It is used the double eccentric adjusting mechanism for center distance, which is the patent technology developed independently.
Dismantling roller, continuous heating, adjustable revolving speed, center distance adjusting, etc. are all available before other competitors.
It has outstanding advantages, such as high-rigidity, high automation degree and convenient for integrating the whole production line.
Friendly working environment, no shocking and low noise in the operation of rolling, which meet the environmental requirements of modern manufacturing.
We devote ourselves in developing and spreading comprehensive technique of precise cross wedge rolling for steel and aluminium alloy forgings.
We can combine the heating furnace, cross wedge roll, automatic production line and related technical services together, which can realize the turnkey project service.

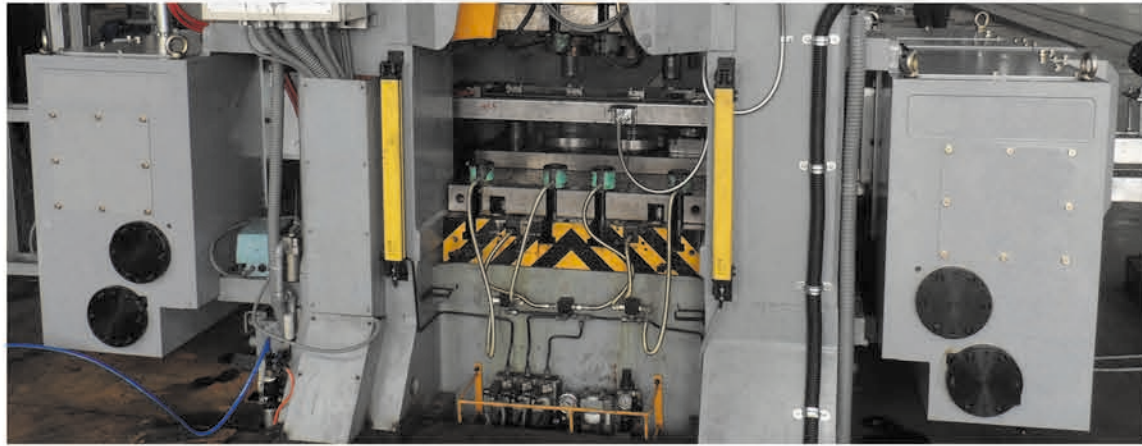


主要技术参数 main tech.parameter

型号 type	单位 unit	D46-25X300	D46-35X300	D46-50X400	D46-60X500	D46-80X700	D46-100X800	D46-125X1100	D46-165X1200
轧辊中心距 center distance of rollers	mm	400	500	630	700	800	1000	1250	1500
轧辊工作部分尺寸 useful dimension of roller	直径 dia.	mm	320	400	500	560	630	800	1000
	长度 length	mm	360	400	500	600	800	900	1200
工件最大尺寸 max.size of work-piece	直径 dia.	mm	25	35	50	60	80	100	130
	长度 length	mm	300	300	400	500	700	800	1100
轧辊中心距调整 adjustable distance of roller	mm	±8	±12	±15	±17	±20	±30	+50 -30	+55 -44
轧辊转速 rolling speed	rpm	20	16	14	12	10	7	6	5
轧辊相应调整量 adjustable angle of rollers	°	±3°	±3°	±3°	±3°	±3°	±3°	±3°	±3°
主电机功率 main motor power	kW	15	20	45	55	90	132	250	315

自动化辅助设备及钣金机械

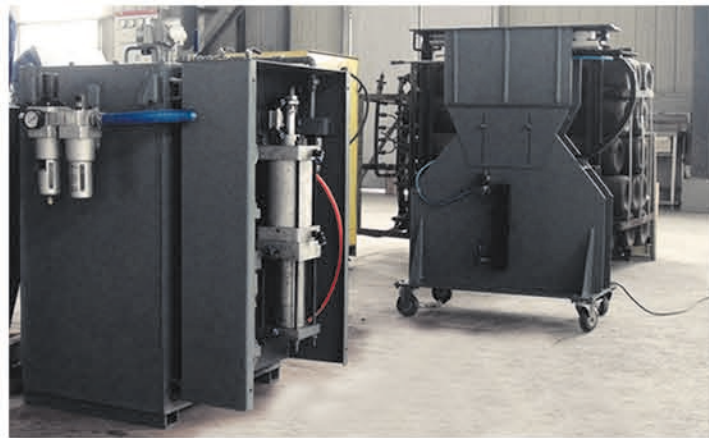
Automatic Auxiliary Machines and Fabricating Machinery



六轴及十轴联动步进梁 Transfer System



自动剥皮机
Automatic Descaling Unit



模具自动润滑装置
Automatic Die Lubrication Device



全液压锻造操作机
Full Hydraulic Forging Manipulator



锻造装料机
Forging Charger



卷板机
Rolling Machine

中央科技型企业北京机电研究所直属于中国机械科学研究总院，是中国机械工业锻压、热处理、模具等行业的技术归口单位；是中国塑性工程学会、热处理学会、模具工业协会、全国锻压、热处理标准化技术委员会秘书处挂靠单位；是国家专业杂志《材料热处理学报》、《金属热处理》、《塑性工程学报》、《锻压技术》的编辑发行单位；拥有“精密成形国家工程研究中心”、“精冲技术开发服务中心”等多个国家级研发机构。

北京机电研究所主要从事金属塑性成形技术与装备、金属热处理技术与装备、真空热处理技术与装备、模具技术、汽车内饰件成形技术及装备、精冲技术及装备、金属超塑性技术、工业控制及自动化集成系统等专业的研究开发工作。

北京机电研究所秉承工艺为先、锻造精品、和谐发展、集成创新的经营理念，以使客户实现安全、高效、敏捷和绿色制造为使命，在锻压、热处理主导业务领域，不断强化以工艺为主导、设备为载体、服务为基础的集成化体系和综合性优势，力争把北京机电研究所打造成为我国锻压、热处理技术创新的国家队、企业技术升级整体解决方案的最佳提供者。

Beijing Research Institute of Mechanical and Electrical Technology (BRIMET), the state-owned enterprises of science and technology, is directly under China Academy of Machinery Science and Technology(CAM). BRIMET possesses the leading position in the technical fields of forging & stamping, heat treatment and die & mold in China. It is Secretariats of China Society for Technology of Plasticity, Chinese Heat Treatment Society, China Die & Mold Industry Association, National Standardization Technical Committee of forging and Stamping, National Standardization Technical Committee of heat treatment are anchored at the Institute. It is also the publish unit for the national professional magazines, such as "Transactions of Materials and Heat Treatment", "Heat Treatment of Metals", "Forging and Stamping Technology" and "Journals of Plasticity Engineering" and "Forging and Stamping Technology". It has a number of national research institutions, such as "National Engineering Research Center for Net Shape Manufacturing" Service and Development Center of Fine Blanking Technology", and so on.

BRIMET mainly engaged in metal plasticity forming technology and equipment, metal heat treatment technology and equipment, vacuum heat treatment technology and equipment, mold technology, automotive interior trims forming technology and equipment, fine-blanking technology and equipment, metal super-plastic technology, industrial control and automation systems, integrated multi-disciplinary research and development works.

Adhering to the business philosophy of "process first, forging quality, harmonious development and integrated innovation", and the mission of allowing customers to achieve safe, efficient, agile and green manufacturing, by continuous strengthening the integrated system and comprehensive superiorities of the technology-driven, equipment as carrier, service as basis, in forging and heat treatment business fields, BRIMET strives to become the national innovative team for forging and heat treatment technology, and the best total solution provider for technological upgrading of enterprises.

