



专注油压机47年
Focus on Hydraulic Presses for 47 Years



大同机械企业有限公司成员
Member of Cosmos Machinery Enterprises Limited



大同油压

Cosmos Press Product Catalog



品牌官网



品牌公众号

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荣获ISO 9001认证
An ISO 9001 certified company

汽车零件 / Auto Parts

汽车转向器
Steering system

座椅枕头支架
Seat pillow support

冷挤压齿轮
Cold-extruded gears

冷挤压轴
Cold-extruded shaft

金属外壳 / Metal cases

手机外壳
Mobile cases

手表壳
Watch cases

眼镜框
Glasses frames

家用电器 / Home appliances

电热水器
Water heater

冰箱内胆
Refrigerator liner

燃气罩外壳
Gas cooker housing

餐饮器具 / Tableware

刀叉
Knife and fork

金属碗碟
Metal dishes

品牌简介
BRAND PROFILE

大同油压服务工业界多年,为香港上市公司“大同机械企业有限公司”在中国大陆投资建立的专业油压机制造商大同油压主要生产用于金属及非金属材料冷或热压成形的油压机，机床结构包括四柱式、框架式、弓形和按用户要求特别设计的专用油压机。

近年，我司更研发出最先进的伺服液压系统驱动的CMSe系列伺服油压机，CMSe伺服油压机具有重复定位精度高、噪音低、节能环保、操作维护简单等卓越特点。CMSe伺服油压机更荣获“荣格金属加工行业技术创新奖”，获得业界极大认可。大同油压产品齐全，压力范围涵盖1-5000吨等多种规格，并有上动式、下动式、上顶料式和下顶料式及复合式等多种动作形式。

多年来，大同油压已向大陆及港澳台乃至全球制造业提供优质高效的油压机为已任,在充分借鉴自身拥有的多年香港油压行业设计和制造经验的基础上，广泛采用国际先进的液压、电气、密封等材料和工艺技术，使产品既具有使用数十年且不断完善的结构，又有现代制造业要求高精度、高可靠性和易操作维护的优点。大同油压已通过ISO9001质量认证，严格的质量管理，快捷的交货，及时且周到的售后服务和合理的价格是大同油压对每位用户的真诚承诺。

Cosmos Press is a professional and experienced hydraulic press manufacturer invested and established by Cosmos Machinery Enterprises Limited in China Mainland. We have served enthusiastically for press industry for several decades. Cosmos Press is now mainly engaged in manufacturing hydraulic press designed for cold and hot forming of metallic or non-metallic materials. Based on structure, our presses include four-column type, frame type, C-frame type and customized type.

It is worth mentioning, our latest invention called CMSe servo hydraulic press series, which adopt advanced servo hydraulic control system. It features with high repeatability, low noise, energy saving and ease operation etc To satisfy worldwide high-end press customers' strong requirement, Cosmos Press launches CMSe series firstly in China. In 2010, Cosmos gains honorably "Ringer Metalworking Industry Technology Innovation Award" by latest CMSe series. Hydraulic presses pressure range from 1 to 5000 tons with dozens of specifications, pressing motions including Up-stroke type, down-stroke type, upward ejecting type, downward ejecting type and composite type.

Cosmos Press has been committed to providing high quality and high efficient hydraulic presses for manufacturing industries of mainland, Hong Kong, Macau and Taiwan, even all over the world for many years. Taking full advantage of its long- term industry experience in press design and manufacture, Cosmos Press integrates perfectly with international advanced hydraulic, electrical, sealing materials and technologies, hence its products not only feature good structure continuously improved through Hong Kong customers' feedback and improvement by ourselves for several decades, but also feature high precision and reliability as well as easy operation and maintenance. Cosmos Press has passed ISO 9001 quality certification successfully. Cosmos Press will commit to serving each user sincerely with rapid delivery, timely and perfect after-sales services as well as reasonable prices through strict quality control as before.

1500+

全球合作客户
Global Clients Served

50+

海外服务国家
Countries Served Worldwide

182+

累计专利申请
Cumulative Patent Applications



公司荣誉
COMPANY HONORS



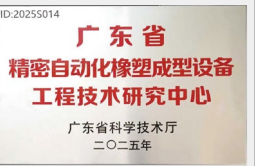
专精特新“小巨人”企业
National "Little Giant" Enterprise
of Specialization & Excellence in China



专精特新中小企业
Specialized, Sophisticated, Distinctive,
and Innovative Small and Medium-sized
Enterprises



高新技术企业
High and New Technology Enterprise



广东省橡塑成型设备工程技术研究中心
Guangdong Engineering Technology Research
Center for Precision Automated Rubber
& Plastics Forming Equipment



中国机械行业可靠性认证
China Machinery Industry
Reliability Certification



发明专利证书
Certificate for Invention Patent



发明专利证书
Certificate for Invention Patent



发明专利证书
Certificate for Invention Patent

CMHe-LS系列
CMHe-LS Series

框架式导轨伺服拉伸油压机

Frame Type Eight Face Guide Way
Double Action Servo Driven
Hydraulic Press



主要特点 / FEATURES

- 机床结构通过有限元分析整体焊接及八面导轨设计；
- 变形量低：刚性好，抗侧向力强，适用于压制精度高，且不对称产品，如：汽车配件，水表等拉深产品；
- 维修方便：整机按不同功能模式、设计成模块结构，拆装简便，一般故障可直接通过触摸屏观看，维修简易；
- 操作简便：良好的人机介面，易于设定各项参数及保存功能；
- 控制系统：伺服驱动控制系统；
- 压制调节：高速压制设定，满足不同产品的压制工艺要求；
- 精度监控：采用电子尺及压力传感器进行位置及压力监控，提高压制精度；
- 机床结构：通过有限分析，保证压机的强度及刚性，结构更合理；
- 节能效果：大功率马达以满足高速高压的工艺要求，选用伺服马达驱动能达到最佳的用电效果；
- 自动生产：可按客户需求设计不同形式的自动化生产辅助设备；
- 拉伸效果：满足拉伸工艺对主缸及液压垫压力的变化要求，可实现1:1拉伸成形，节省模具成本；
- 高重复精度：重复精度达±0.01mm，有效控制因机床精度问题而产生的废品；
- 极佳节能效果：采用先进的伺服驱动油泵系统，与传统的油压机相比，可节能达20-50%；
- 伺服马达驱动系统：采用伺服马达驱动系统，可以满足不同的工艺对速度压力的变化要求，并且运动时更平稳，更静音；
- 低冷却水能源。
(可选配普通电机驱动控制系统)

- Machine tool structure designed through finite element analysis with overall welding and eight-side guide rail design;
- Low deformation: High rigidity and strong resistance to lateral forces, suitable for high-precision and asymmetric products such as automobile accessories and sinks;
- Convenient maintenance: The machine is designed as a modular structure, ease for assembly and disassembly. General malfunctions can be directly observed and repaired through HMI, ease for maintenance;
- Ease operation: User-friendly human-machine interface, easy to set parameters and save functions;
- Control system: Servo-driven control system;
- Pressing adjustment: High-speed pressing setting to meet the pressing process requirements of different products;
- Precision monitoring: Position and pressure monitoring by linear scale and pressure sensor, improving pressing accuracy;
- Machine tool structure: Ensuring press strength and rigidity through finite element analysis for a more rational structure;
- Energy-saving effect: High-power servo motor meets the requirements of high-speed and high-pressure processes, and using servo driver achieves optimal power efficiency;
- Automatic production: Customizable design for different forms of automated production auxiliary equipment according to customer needs;
- Stretching effect: Meets the changing pressure requirements of the ram cylinder and cushion cylinder for stretching processes, enabling 1:1 stretching forming and saving on mold costs;
- High repeatability: Repeatability achieve to ±0.01mm, effectively controlling waste caused by accuracy issues;
- Excellent energy-saving effect: Utilizing an advanced servo-driven hydraulic pump system, it can save energy compared to conventional hydraulic presses, up to 20-50%;
- Servo motor drive system: Adopts a servo motor drive system to meet varying speed and pressure requirements for different processes, ensuring smoother and quieter movement;
- Low cooling water consumption.
(Optional conventional motor drive control system)

适用范围 / APPLICATION

主要适用于金属材料的冷挤压成型，压印，浅拉伸，落料等用途。
如水槽、汽车配件等。

Mainly suitable for cold extrusion forming, pressing, shallow drawing, and blanking of metal materials, such as sinks, automobile accessories, etc.



技术参数表 / TECHNICAL PARAMETER TABLE

项目ITEM		UNIT	CMHe-100LS	CMHe-300LS	CMHe-500LS	CMHe-800LS	CMHe-1000LS	CMHe-1200LS	CMHe-1500LS	CMHe-2000LS
主油缸 Ram cylinder	公称力 Nominal capacity	Ton	100	300	500	800	1000	1200	1500	2000
	最大行程 Maximum stroke	mm	500	800	1200	1200	1500	1500	1500	1500
开口高度 Open height		mm	800	1200	1600	2000	2000	2000	2000	2000
活动工作台行程速度 Speed of moving slide	下行 Approaching	mm/s	350	350	400	400	400	400	400	400
	拉伸 Drawing	mm/s	20-25	23-30	20-25	20-25	20-25	20-25	20-25	20-25
	回程 Returning	mm/s	350	350	400	400	400	400	400	400
液压垫公称力 Cushion cylinder nominal capacity		Ton	30	100	200	300	400	500	500	600
活动工作台有效尺寸 Effective size of moving slide	左右 Left to right	mm	1500	2000	3500	4000	4500	4500	5000	5000
	前后 Front to back	mm	1200	1500	2000	2500	2500	2500	2500	2500
液压垫台面尺寸 Effective size of cushion plate	左右 Left to right	mm	1200	1500	2920	3220	3820	3820	4420	4420
	前后 Front to back	mm	900	1200	1420	2020	2020	2020	2020	2020
液压垫行程 Cushion cylinder stroke	最大行程 Maximum stroke	mm	250	300	400	500	500	500	500	500
主缸伺服电机功率 Servo motor power (Ram)		kW	22	75	110	150	150	150	150	180
液压垫伺服电机功率 Servo motor power (Cushion)		kW	3.75	7.5	15	30	30	30	37	37

*本公司保留修改技术参数的权力，恕不另行通知
We are always working on improvement and reserve the right to change design and specifications without notice