



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



品牌官网



品牌公众号

DEKUMA 德科橡塑科技(东莞)有限公司
DEKUMA RUBBER AND PLASTIC TECHNOLOGY(DONGGUAN)LTD.
(大同机械企业有限公司成员 Member of Cosmos Machinery Enterprises Ltd.)

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荣获ISO 9001认证
An ISO 9001 certified company



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

汽车零件 / Auto Parts

汽车转向器
Steering system

冷挤压齿轮
Cold-extruded gears

座椅枕头支架
Seat pillow support

冷挤压轴
Cold-extruded shaft

金属外壳 / Metal cases

手机外壳 手表壳
Mobile cases Watch cases

眼镜框
Glasses frames

家用电器 / Home appliances

电热水器 冰箱内胆
Water heater Refrigerator liner

燃气罩外壳
Gas cooker housing

餐饮器具 / Tableware

刀叉 金属碗碟
Knife and fork 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



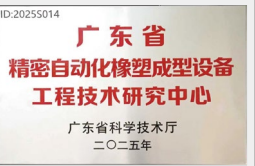
专精特新“小巨人”企业
National "Little Giant" Enterprise
of Specialization & Excellence in China



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



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Certificate for Invention Patent



发明专利证书
Certificate for Invention Patent

CMSe系列
CMSe Series

四柱下缸式伺服油压机

Four Column Single Action
Up-Stroke Servo Driven
Hydraulic Press



主要特点 / FEATURES

- 良好的人机界面，具有工艺参数储存功能；
- 采用电子尺进行位置监控，压力传感器进行压力监控，提高产品压制精度；
- 采用伺服驱动控制，可满足不同工艺对速度及压力的变化要求，并且运动更平稳；
- 主要液压组件采用名牌产品，保证液压系统性能的稳定性；
- 机身经有限元分析，结构更合理、刚性好、压制精度高；
- **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)

- User-friendly human-machine interface with the function of storing process parameters;
- Position monitoring by linear scale, pressure monitoring by pressure sensor to improve pressing accuracy;
- Servo-driven control, meeting the varying speed and pressure requirements of different processes, resulting in smoother movements;
- Main hydraulic components use reputable brands to ensure the stability of the hydraulic system;
- Machine structure designed through finite element analysis for better rationality, rigidity, and higher pressing accuracy;
- **High repeatability**: Repeatability achieve to ±0.01mm, effectively controlling scrap rate caused by accuracy issues;
- **Excellent energy-saving effect**: Advanced servo-driven hydraulic pump system achieves energy savings of 20-50% compared to conventional hydraulic presses;
- **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

CMSe系列伺服驱动四柱油压机是针对眼镜、表壳、表带、徽章、纪念章等金属压制成型工艺、粉末冶金等非金属压制成型工艺，集中同类产品的先进技术，经资深工程技术人员的优化创新，推出的伺服油压机系列。该系列在机械、液压、电器和操作等方面均采用最新的技术和理念，性价比高，为业内提供了一个全新的选择。

The CMSe series servo-driven four-column hydraulic presses are designed for metal pressing forming processes such as glasses, watch casings, watch straps, medals, commemorative badges, and non-metal pressing forming processes like powder metallurgy. This series integrates advanced technology from similar products and has been optimized and innovated by experienced engineering technicians, offering a new choice with high cost-effectiveness.



技术参数表 / TECHNICAL PARAMETER TABLE

项目ITEM		UNIT	CMSe-200	CMSe-300	CMSe-500	CMSe-1000	CMSe-2000	CMSe-3000
公称力 Nominal capacity		Ton	200	300	500	1000	2000	3000
系统最大压力 Maximum system pressure		MPa	25	25	25	25	25	29
活动工作台最大行程 Maximum stroke of moving bolster		mm	150	150	150	200	200	150
工作台距地面最低高度 Height of moving bolster surface		mm	890	960	1150	1357	1390	1700
开口高度 Open height		mm	400	400	450	600	600	860
活动工作台行程速度 Speed of moving bolster	快下 Approaching	mm/s	180	180	160	100	100	75
	工进 Pressing	mm/s	2-11	2-8	1-5	1-3	1-1.5	1-1.5
	回程 Returning	mm/s	240	240	200	150	120	95
活动工作台有效尺寸 Effective size of moving bolster	左右(柱内) L-R (Between columns)	mm	455	550	650	900	1170	1200
	前后(边缘) F-B (Edge to edge)	mm	550	650	750	950	1400	1600
机器外形尺寸(约) Overall dimensions (Approx.)	左右 Length	mm	1446	1360	1510	1970	3200	4010
	前后 Width	mm	1310	1635	1720	1755	2525	2750
	高 Height	mm	1735	1735	2080	2720	3260	4060
伺服电机功率 Servo motor power		kW	16	16	16	29	39	48
机器重量(约) Machine weight (Approx.)		Kgs	2200	3120	5600	15000	35000	75000

项目ITEM	UNIT	CMSe-200A	CMSe-300A	CMSe-500A	CMSe-1000A	CMSe-2000A	CMSe-3000A
顶出缸公称力 Ejector nominal capacity	Ton	5	5	10	10	20	50
顶出缸行程 Ejector stroke	mm	30	30	30	30	40	50

*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