



追 求 卓 越 、 创 造 精 品

广东河谷流体科技有限公司

GUANGDONG HERG FLUID TECHNOLOGY CO., LTD

企业简介 PROFILE



河谷总部，大湾区佛山生产基地
Herg headquarters, Foshan Production Base in Dawan area

河谷(佛山)智能装备股份有限公司成立于2004年，是由河谷(佛山)汽车润滑系统制造有限公司于2017年1月进行股份制改制成立的一家中外合资企业。公司位于广东省佛山市禅城区国家高新区，是一家专注润滑系统集研发、制造、营销、服务于一体的装备制造企业。公司占地近50000平方米。凭借多年与日本日和产业株式会社合作过程中积累的润滑系统先进技术及管理理念，并加以吸收、提高和创新，相继推出与世界同步的适合汽车底盘、轨道交通、风力发电、工程机械及各类机械的智能集中润滑系统精品。2012、2015、2018、2021年连续被认定为高新技术企业，并在2015年被授予“广东省集中润滑系统工程技术研究中心”。

2020年9月由河谷(佛山)智能装备股份有限公司原主要股东在原地址投资成立广东河谷流体科技有限公司，2022年10月将全部承接河谷(佛山)智能装备有限公司的生产经营业务，公司生产基地位于江门鹤山，占地70亩，将于2022年11月建成投产，为公司升级发展注入了新的动力。

公司目前主要有干、稀油两大系列各种润滑方式产品。产品广泛应用于数控机械、加工中心、塑机、压铸机、电梯、锻压、纺机、冶金、建筑等行业的机械设备的润滑系统，以及汽车底盘、轨道交通、工程机械、风力发电等智能集中润滑系统，产品销往全国各地及在全国各主要城市均设立了直销联络处。产品出口到美国、德国、日本、印度、巴西、土耳其等国家。

因为专业，我们做得更好！河谷人凭着“**追求卓越，创造精品**”的理念，凭着河谷规模生产、先进工艺、精良设备，生产出至高、长期稳定品质的产品。河谷人相信，我们的产品一定会**让您的机械润滑更有保障！**



Herg (Foshan) Intelligent Equipment CO., LTD was established in 2004 and reformed to Herg(Foshan) automotive lubrication system manufacture CO., LTD by January, 2017. It is located in Chancheng National Hi-tech Zone, Foshan city, Guangdong Province, China. Herg is specialized in centralized lubrication system manufacturing together with R&D and Marketing & service. The company covers 50000 square meters. Over decades years to cooperate with Japan Nichawa CO., LTD to meet the needs of the market with our high quality products, the company developed effective system to guarantee the high quality of the parts. The extensive product series in application with Automotive, Wind Power Equipment, Engineering machinery continuously gained marketing success. The product quality and brand of the company have been recognized and trusted by customers. In 2012, 2015, 2018, 2021 Herg products have been widely audited as high-tech products in Guangdong province, We have also been identified as high-tech enterprise. In 2015 Herg (Foshan) automotive lubrication system manufacture CO., LTD has been awarded for “Provincial Central Lubrication System Research & Engineering Center of GuangDong”.

In September 2020, the former major shareholder of Herg (Foshan) Intelligent Equipment Co., Ltd. invested in the establishment of Guangdong Herg Fluid Technology Co., Ltd. at the original address. In October 2022, the company will undertake all the production and operation businesses of Herg (Foshan) Intelligent Equipment Co., Ltd. The company's production base is located in Heshan, Jiangmen, covering an area of 70 mu, and will be completed and put into operation in November 2022, injecting new impetus into the company's upgrading and development.

Centralized lubrication systems manufactured by Herg (Foshan) Intelligent Equipment CO., LTD mainly include the two series of lubricator products for solid lubricant and liquid lubricant in various lubrication ways. Our products are widely applied for textile, plastics, wood-working, rubber, mining, metallurgy, architecture, printing, food, etc, and automotive chassis industries. Our products are exported to Japan, South Korea, America, Germany, Brazil, Turkey and other countries.

Since we are professional, we can make it better! With the philosophy “To strive for excellence and create better products”, with the production scale and excellent manufacturing facilities of HERG, we keep making premier products with long-term quality consistency. We believe that your machine will definitely be better guaranteed with our lubrication products!

公司发展历程 >>

Milestone

1989年，佛山日华润滑设备有限公司创办。
在中日双方前辈领导的共同努力下，由日本投资方将其容积式定量分配器等润滑系统多项先进专利技术引入中国，填补了国内该项技术的空白，为公司日后的发展播下了可贵的种子。
1990年，日本专利产品RH3型检知容积式分配器引进投产。
1992年，引进润滑油泵及生产RH3型分配器产品配套纺织机械。
1996年，与日和株式会社共同引进和开发TZ型润滑泵。
1997年，佛山日华润滑设备有限公司召开产销洽谈会。
来自日本、韩国、中国台湾及国内知名企业参加投产庆典，同年10月TZ型润滑泵批量投产典礼在佛山工厂举行。
1998年，由佛山日华润滑设备有限公司更名为日华油机(佛山)有限公司。
成功开发适合替代进口润滑系统配套注塑机，公司重组转制，这是公司发展的重要里程碑。产品应用从纺机扩大到数控机械、加工中心、电梯、机床、铸造、木工、冶金、印刷等各行业的机械设备，并在北京设立办事处。
2001年，与日本大同金属株式会社合作批量投产油气润滑CE泵系列产品，并同年在西安设立办事处。
2003年，扩充研发团队，公司产品从单一到系列化，相继推出HL、OA、OB型润滑泵，RH2、RH5、34、35、AD型分配器系列产品。
2004年，河谷(佛山)汽车润滑系统制造有限公司注册成立。
随着市场及各机械行业的共同兴旺发展，在禅城区政府的大力支持下，公司决定进驻佛山国家高新技术开发区。同年，引进日本技术，推出AP型汽车底盘润滑系统，相继在全国主要城市如成都、重庆、沈阳、宁波等地设立办事处。
2005年，设立西南仓扩大西南区业务发展来提高数控机床基地技术支持服务。
2007年，河谷(佛山)汽车润滑系统制造有限公司新厂投产，承接了佛山日华润滑设备有限公司经营业务。11月17日在佛山禅城区高新技术开发区罗格围工业区，我司50000平方的新厂投产举办庆典，有来自全国各地各行业客户及日本、台湾的国家地区客户朋友参加。
2009年，在原有科技研发团队的基础上，整合成立河谷研究开发中心。同年，迎来了公司成立20周年并成功举办庆典。
2010年，新型高压集中润滑系统：ZJ型润滑泵，SD系列递进式分配器系列批量投产推出市场。
2011年，与华南理工大学合作设计、开发新的润滑装置、中高压润滑系统油路优化设计研究。同年被佛山市禅城区政府评为“纳税大户企业”。
2012年，被广东省科学技术厅、广东省财政厅、广东省国家税务局、广东省地方税务局评定为高新技术企业。
2013年，高压类润滑系统在风电行业取得优异成绩，相继与湘电、明阳等知名企业建立长期稳定的合作伙伴关系。
2014年，与西门子风电建立合作关系。成功推出经济型产品TY、NW型系列润滑系统，以满足客户要求。
2015年，顺利通过高新技术企业复审，组建的“广东省集中润滑系统工程技术研究中心”成功获得广东省科学技术厅、广东省发展和改革委员会、广东省经济贸易委员会的认定。
2016年，成功入驻重庆台正智能装备制造产业园。
2017年，河谷(佛山)智能装备股份有限公司正式成立。
2020年9月由河谷(佛山)智能装备股份有限公司原股东投资成立广东河谷流体科技有限公司，公司经营地址、人员、设备均不变，将逐步乃至完全承接河谷智能的经营业务。

In 1989, NIKKA YUKI Lubricating Equipment Co., Ltd. was founded.
In the joint efforts of Chinese and Japanese parties, the Japanese investor has introduced a number of advanced and patented technologies such as volumetric metering distributor to China to fill the gaps in the domestic technology and implant systematic principal for future developing.
In 1990, the Japanese patent product RH3-type volumetric distributor introduced into production
In 1992, the introduction of lubrication pump and production RH3-type distributor products supporting textile machinery
In 1996, with the Japan NICHAWA Co., Ltd. jointly introduced and developed TZ-type lubrication pump
In 1997, Foshan NIKKA YUKI lubrication Equipment Co., Ltd. held a production and marketing Seminar
Clients from Japan, Korea, China Taiwan and domestic well-known enterprises to participate in the production ceremony, the same year in October TZ-type Lubrication pump PPA accomplished ceremony held in Foshan factory
In 1998, Foshan, NIKKA YUKI Lubricating Equipment Co., Ltd. changed its name to NIKKA YUKI (Foshan) Co., Ltd.
Successful accomplished the lubrication system which supporting injection molding machine, the company reorganized board team, which is an important milestone in the development of the company. Application of machinery from the expansion of CNC machinery, processing centers, elevators, machine tools, casting, carpentry, metallurgy, printing and other machinery, and set up offices in Beijing
In 2001, incorporate with Japanese DAIDO METAL CO., LTD. pilot production of oil and gas lubrication CE serles products, and established Xi'an office in same year
In 2003, the expansion of R & D team, the company's products developed into serials, have launched HL, OA, OB-type lubrication pump, RH2, RH5, 34, 35, AD-type distributor products
In 2004, Herg (Foshan) Automotive Lubrication System Manufacture Co., Ltd. was incorporated
With the community and common prosperity of the machinery, under government's strong support, the company moved into Foshan National Hi-Tech Development Zone. In the same year, introduce Japanese technology AP-type automotive centralized lubrication solution. Opened office of Chengdu, Chongqing, Shenyang, Ningbo etc
In 2005, the establishment of southwest warehouse expansion support business development of the CNC machine tool and technology center
In 2007, Herg (Foshan) Automotive Lubrication System Manufacture Co., Ltd. in operation the new facility, undertake the business of Foshan NIKKA YUKI Lubrication Equipment Co., Ltd. November 17th in Foshan Chancheng High-tech Development Zone Rogge Wei Industrial Zone, our 50000 square meter of the new facility put into operation celebration, from all over the country customers and Japan, Taiwan, the country's regional customers to participate.
In 2009, based on the original R & D team, the establishment of Herg research and development center. In the same year, ushered in the 20th anniversary of the company set up and held a celebration.
In 2010, the new high-pressure centralized lubrication system: ZJ-type lubrication pump, SD series progressive distributor introduce to market.
In 2011, with the SCUT (South China University of Technology) together design, develop a new lubrication device, high pressure lubrication system oil pipeline optimization design research. In the same year by the Foshan government as "large taxpayer enterprises."
In 2012, the Guangdong Provincial Science and Technology Department, the Guangdong Provincial Department of Finance, the Guangdong Provincial State Taxation Bureau, the Guangdong Provincial Local Taxation Bureau assessed as high-tech enterprises.
In 2013, high-pressure lubrication system in the wind power industry achieved excellent results, one after another with XEMC, Mingyang and other well-known enterprises to establish long-term cooperative partnership.
In 2014, with Siemens wind power to establish cooperative relations. The successful launch of economic products TY, NW series of lubrication system to meet customer requirements.
In 2015, successfully passed the high-tech enterprise review, the formation of the "centralized lubrication system engineering and technology research center in Guangdong Province," the success of the Guangdong Provincial Science and Technology Agency, the Guangdong Provincial Development and Reform Commission, the Guangdong Provincial Economic and Trade Commission finds.
In 2016, successfully settled in Chongqing TAIZHENG intelligent equipment manufacturing industry park.
In 2017, Herg (Foshan) Intelligent Equipment Co., Ltd. was formally established.
In September 2020, Guangdong Herg Fluid Technology Co., Ltd. was established by the original major shareholder of Herg (Foshan) Intelligent Equipment Co., Ltd. The company's business address, personnel and equipment will remain unchanged, and will gradually and completely undertake the business of Herg Intelligent.



总经理：姚燕业
General Manager: Mr. Yanye Yao

核心理念 >> Vision

以人为本：

对员工充分信任、尊重、关怀，以成就个人为出发点，期能建立主动担当、追求自我完善与创新的工作团队。

诚信务实：

本着诚实信任的精神，与往来客户及厂商建立良好的互动，追求企业稳健快速的成长。

卓越创新：

不断创造科技的无限可能，以树立企业绝对的竞争优势，“追求卓越、创造精品”。

放眼天下：

发展世界性需求产品，建立全球性的行销网络，实现技术－与世界同步。

永续经营：

发展求新求变的宏观策略，持续要求品质的不断精进，提供同仁参与经营的机会；在不断超越外在环境变化的同时，追求企业的长期发展。我们的愿望就是：“令您的机械润滑更有保障”

Client-orientation:

To trust, respect and care for the staff; to regard achievements of each individual as starting point, so as to build a self-motivated team that strives for self-improvement and innovation.

Trust and practice:

To adhere to the spirit of trust and build excellent relationships with customers.

Excellence and innovation:

To strive for constant scientific and technological innovation and thus establish absolute competitive advantages of enterprise: "To strive for excellence and create better products".

Global sight:

To develop products that meet global demands, to build global marketing networks, to keep pace with the world in technology.

Sustainable operation:

To develop macro-strategy for innovation and changes, to strive for constant improvement of quality, to give the whole staff opportunities of participation; to strive for long-term development of enterprise while constantly surpassing changes of external environment. Our aspiration is to guarantee better lubrication of your machinery!



部分合作伙伴 >>
Cooperated with

(排名不分先后)

一、风力设备、工程机械行业
Wind Power, Construction Machinery Industries



广东明阳风电产业集团有限公司



湘电风能有限公司



西门子风力发电设备有限公司



三一集团



徐工集团



中联重科

二、汽运客车、工业重型卡车行业
Commercial Vehicles and Heavy-duty Truck Industries



中国重汽集团



厦门金龙旅行车有限公司



北汽福田汽车股份有限公司



郑州宇通客车股份有限公司



上海申龙客车有限公司



中通客车控股股份有限公司

三、中小型机械行业
Machinery Industries

塑机设备 Plastic Injection Molding Machinery



广东伊之密精密机械有限公司



震德塑料机械有限公司



博创机械股份有限公司



东华机械有限公司



宁波双马塑机有限公司



宁波通用塑料机械制造有限公司



泰瑞机器股份有限公司



震雄集团



宁波海天塑机集团有限公司

机床设备 Machine tool



DMG集团



松川企业



经纬纺织机械股份有限公司



台正联盟体

电梯设备 Escalator



日立电梯
(中国)有限公司



ThyssenKrupp Elevator
蒂森克虏伯电梯(中国)

蒂森克虏伯扶梯
(中国)有限公司



塞纳自动梯
(佛山)有限公司



奥的斯电梯
有限公司



河谷智能年度销售工作会议
Annually Sales meeting

工
作
环
境

公司规范管理 >> Standardized management

河谷智能立足于现代科学的前沿，始终严格执行ISO9001质量管理体系，追求资源的最优配置，公司管理规范化、标准化、文件化，定期对员工实行专业技术培训，大大提高员工上岗操作能力，对每一件产品都进行全方位、全过程的监控管理，确保每件优质产品都能满足客户的要求。

HERG Company stands in the forefront of modern science, and always strictly implements ISO9001 quality management system, striving for best allocation of resources, for normalization, standardization and documentation of management. We have regular staff training program, which greatly improves operation capabilities of employees. For each piece of product, we have total all-round control over each and every stage, so that each piece of quality product can satisfy the customers.



河谷智能优秀员工颁奖大会
Company excellent staff awards



西门子公司专家来访
SIEMENS Visit Herg Company

工
司
智
能

共同发展，共创辉煌 >> Grown, Together Create Success

河谷智能经过多年的发展，有着丰富的生产销售经验，产品畅销国内外，受到广大客商的一致好评。河谷智能始终坚持以“质量第一、信益第一、诚信为本、客户至上”为发展方针，致力于不断为客户提供优质服务和高质量产品为目标，与客户携手合作，双赢双利，共同发展，共创辉煌。

HERG company through years of development, production and marketing has a wealth of experience, products sold abroad by the majority of merchants alike. has always insisted "quality first, credit first, a letter-based, customer first" approach to development, is committed to not continue to provide quality services to customers and high quality products as the goal, and customers work together to win double profits and common development, create brilliant.





湘电股份博士专家来访
XEMC Visit Herg Company



利勃海尔来访
Liebherr's Visiting



西门子风电润滑系统技术评审会
Technical review committee of Siemens wind lubrication system



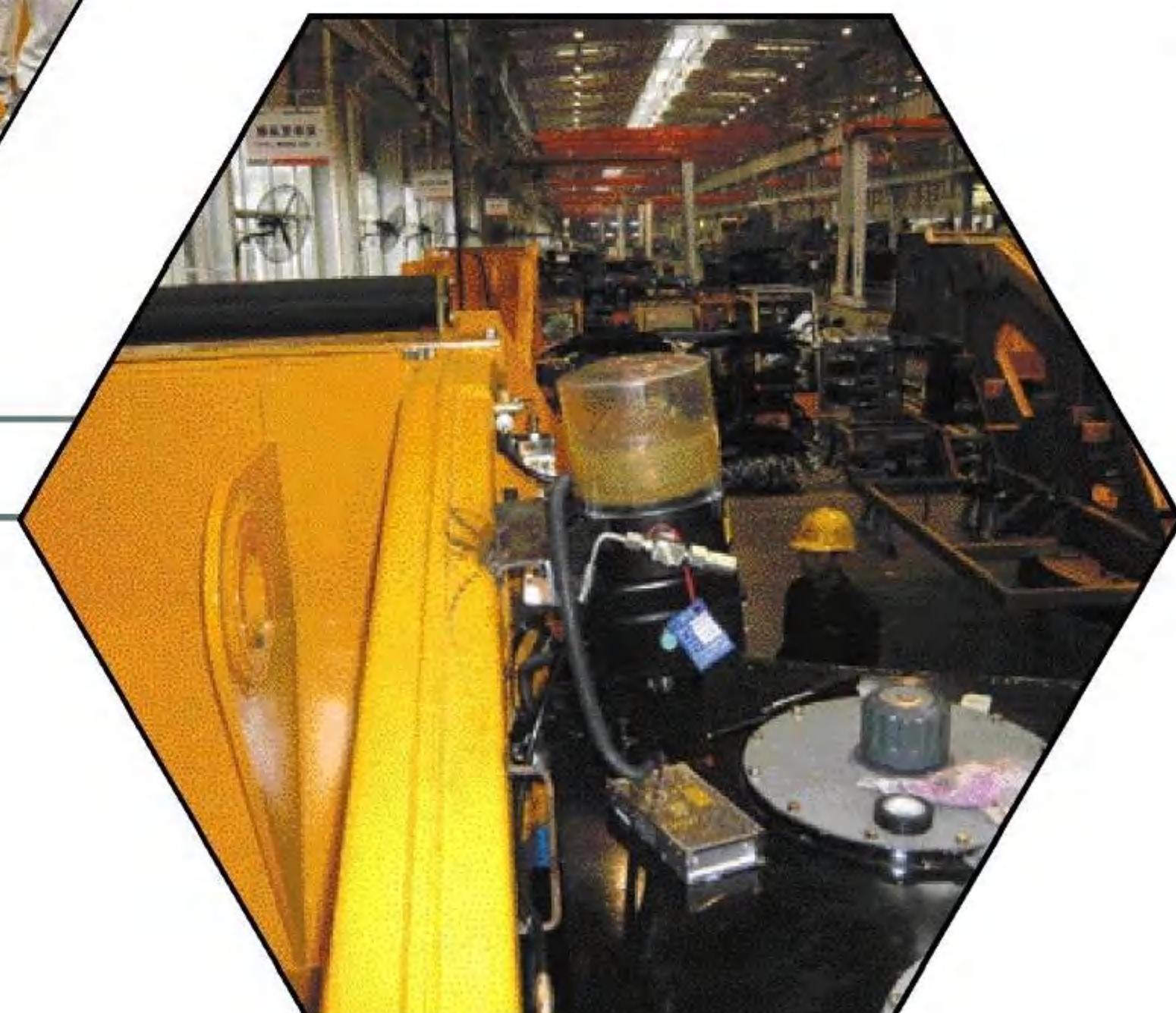
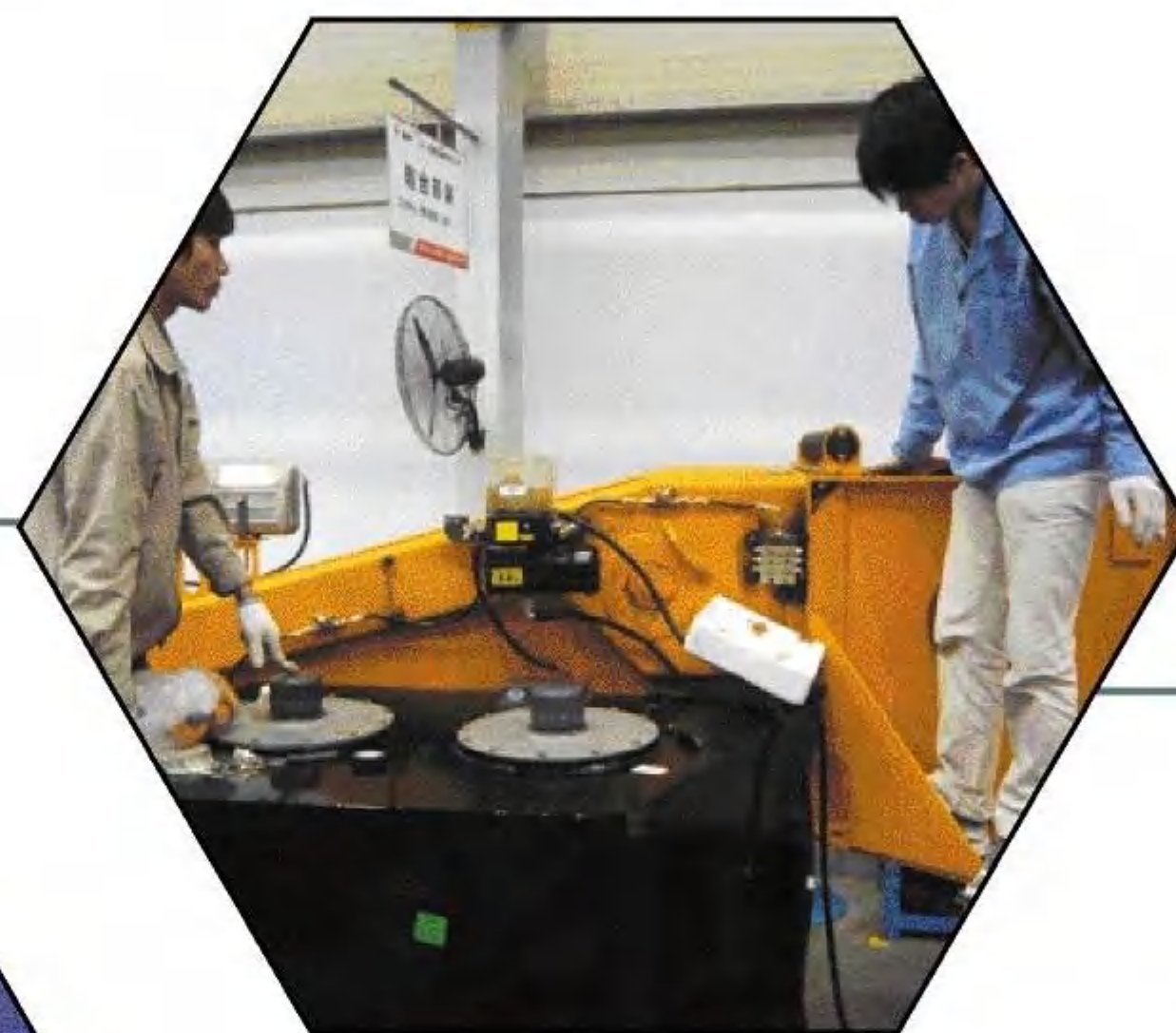
波兰客户来访
Poland customer's visiting



润滑系统安装
Lubrication System mounting

钻石级的服务、覆盖全国的网络 >> Diamond-class service, nationwide network

- 为用户提供免费的产品培训，也可根据用户需求派培训人员。
- 24小时内响应，48小时解决故障。
- 定期回访，关注产品使用情况。
- Provide users product training.
- Response within 24 hours, 48 hours of troubleshooting.
- Routine customer care product focus.





营销人员定期技术培训
Regular Tedhcnical Training For The Staff

HERG

以人为本, 专业领先 >> Customer care specializing, solutions focus and industry-leading

我们拥有一支高素质的技术研发团队，可根据企业的需要开发和设计完整的方案。有专业的技术人员参与企业方案的实施也可以为企业必要的培训和维护支持，我们的服务信念是在确保产品高质量的同时提供优质的售后服务，每一天，河谷人都勤于学习与吸收，不断研发新产品。**因为专业，我们做得更好！**

We have a technical team, capable of developing and design complete solutions on clients' requirements; we have professional technicians to take part in implementation of enterprise solutions and to offer necessary training and maintenance support to enterprises. Our service philosophy is to ensure high product quality while offering quality after-sales services. Every day, at HERG, we learn and absorb diligently, and constantly develop new products. Since we are professional, we can make it better.





研发产品小组会
Research and Development

塑造具有执行力的企业文化 >> Create a corporative spirit

河谷智能经过近30多年的不懈的努力和探索，建立了比较完善的企业管理，拥有优秀的企业文化；通过定期组织员工技能培训及技能竞赛等活动，组织员工旅游，既锻炼员工的身体素质、又增进员工之间的交流，加强员工团队精神，凝聚了河谷智能充满活力、不断创新、勇于拼搏的企业精神。

Through twenty years' tireless efforts and research, HERG company established a relatively perfect business management system. HERG has excellent enterprise culture with regular activities such as training staff skills and competition, traveling and so on. Through organizing the activities, it is not only good to the health of the staff, but also to increase the emotion communication between the staffs to be a strong team. Thus makes HERG dynamic, innovative and energetic spirit of enterprise.





数控加工中心一角
Machine Center

先进的设备，品质的保障 >> Advanced Equipments Guarantees Excellent Quality

在打造精品润滑系统工程上，为保证润滑系统核心部件的品质，公司斥资引进一批日本原装自动CNC加工车床及一批原装韩国、台湾CNC加工中心；引进了日本的一套原装分配器机器人加工专机，使公司的分配器能达到内外重要尺寸的高度一致性和精确性；为保障产品的高质量要求，引进了深孔加工设备、高精密平面磨床、电火花加工设备、一批自动化程度高的专机等设备，大大提高了产品的内外一致。

In the project of creating exquisite lubrication systems, in order to guarantee the quality of the core parts of lubrication systems, the company made huge investment and purchased original Japan-made CNC machining lathes and original Taiwan, South Korea CNC machining centers as well as a set of original distributor robot processing machines from Japan. Therefore, our distributors can achieve high consistency and precision in important inside and outside dimensions. In order to guarantee smooth operation of lubrication systems, we have specially introduced in a custom-made advanced automatic cleaning system based on Japanese cleaning techniques and experience, which ensures that our lubrication systems are absolutely with no stains and damages. In the respect of effectively controlling quality of incoming materials, the company once again made huge investment in establishment of precision die-casting division, so that our products are highly consistent from inside out.



电火花设备
Edm equipment



高精磨床
High precision grinding machine



数控加工中心一角
CNC Machine Center

数控自动化，精密的内在 >> Digital control and precisig automation

河谷智能以“追求卓越，创造精品”为企业理念，“令您的机械更有保障”是公司对客户的永恒承诺。为进一步参与市场竞争，提升产品的核心竞争力，制造出优质的产品，对每件产品质量都刻意追求完美，始终坚持以“质量求生存，创新求发展”为原则。

河谷智能面向海内外市场，竭诚为客户提供优质的服务，经过全体员工的不懈努力，公司业务蒸蒸日上，市场竞争力不断增强，是全国最大润滑元件生产商之一；发展高技术的需求产品，实现技术与世界同步！

It is the philosophy of HERG "to strive for excellence and create finest products" and it is the unchanged of promise for customers "to better guarantee your machine lubrication". In order to further increase participate in market competition, to increase core competitiveness of products, to make quality products, we painstakingly strive for quality perfection of each and every piece of product, and we always adhere to the principle of "surviving on quality and developing on innovation".

HERG faces home and overseas markets, wholeheartedly providing customers with quality services. Through unremitting efforts of the whole staff, the business of the company is thriving, and the market competitive power keeps increasing. HERG is now one of the largest lubrication component manufacturers in the country, developing high-tech products to pace with the world!



深孔加工设备
Deep hole drilling



测试包装车间
Installation Workshop

HERG



分配器机器人加工专机
Auto Distributor Robots Processing



润滑系统测试车间
Lubrication System Test bench

集中润滑系统产品介绍 Centralized Lubrication System Introduction

集中润滑系统是指从一个润滑油剂供给源(润滑泵)通过分配器或油量计量件、管路,按照一定的时间把需要的润滑油剂准确的供往各个润滑点的系统。简言之,就是定时定量给各润滑点注入所需的润滑油剂。对于智能集中润滑系统而言,则可实现适时适量给各润滑点加注所需的润滑油剂。

Centralized lubrication system refers to a system in which the required lubricant is supplied to each lubrication point from a lubricant supply source (lubricating pump) through the distributor or the metering part and a pipe in a certain amount of time to the lubrication point. In short, it is time to quantify the lubrication points into the required lubricant.

集中润滑系统的组成 The composition of Centralized Lubrication System

集中润滑系统由润滑泵、分配器或油量计量件、管路、接头及一些附件组成。当配置控制单元或系统时,则可实现自动控制,甚至智能化。

Centralized Lubrication System consists of pumps, distributor or metering block, piping, fittings and some accessories. When the control unit or the equipment, you can achieve automatic control with intelligence.

集中润滑系统的分类 The classification of Centralized Lubrication System

- 1、按润滑泵供油方式分,可分为:手动供油系统、电动供油系统、气动供油系统、液压驱动供油系统;
- 2、按润滑方式分,可分为:间歇供油系统和连续供油系统;
- 3、按润滑油剂分,可分干油集中润滑系统和稀油集中润滑系统;
- 4、按润滑功能分,可分为抵抗式集中润滑系统和容积式集中润滑系统;
- 5、按自动化程度分,可分普通自动润滑系统和智能润滑系统;
- 6、按主油路和特征分,可分为单线式、双线式、多线式及递进式集中润滑系统。

集中润滑系统的分类,是基于不同的角度进行界定的。在实际运用时,可根据需要进行描述。目前,比较常用的一种方法是以集中润滑系统的工作压力进行分类,分为:

- (1)、高压集中润滑系统;
- (2)、中压集中润滑系统;
- (3)、低压集中润滑系统。

1. According to the lubrication pump feeding way, it can be divided into: manual lubrication system, electrical lubrication system, pneumatic lubrication system, hydraulic drive lubrication system;
2. According to the lubrication time counting, can be divided into: intermittent system and continuous system;
3. According to the lubricant, can be divided into grease system and oil system;
4. According to the lubrication function, can be divided into resistance type and volumetric type;
5. According to auto style, can be divided into ordinary automatic and intelligent system;
6. According to the main stream, can be divided into single-line, dual-line, multi-line and progressive system.

The classification of the centralized lubrication system is defined on a different method. In actual practical, it can be described as needed. At present, one of the more commonly used methods is classified by working pressure of the system:

- (1). high pressure lubrication system;
- (2). medium pressure lubrication system;
- (3). low-pressure lubrication system.

集中润滑系统的应用 The application of centralized lubrication system

集中润滑系统在风力发电、工程机械、车辆底盘、各类机械设备、锻压和钣金设备、大型设备、轨道交通等行业得到了广泛应用。

Centralized lubrication system has been widely used in wind turbine, off road machinery, vehicle chassis, kinds of machinery and equipment, forging and sheet metal equipment, heavy industry, rail transportation and others.



此外,我司可为各行各业的客户,专门配置、生产集中润滑系统产品,满足各方面的需求。

Further, we can provide comprehensive lubrication system solutions to satisfy clients various needs.

一、风力发电机集中润滑系统 Wind Power Centralized Lubrication System

风力发电机集中润滑系统是专门为风力发电机量身定制的集中润滑系统，该系统能够为风力发电机的主轴轴承、偏航轴承和齿面、变桨轴承和齿面、发电机轴承等重要部位提供适量的润滑油脂，确保各润滑部位得到充分润滑，使其使用寿命得以保障并延长。风力发电机集中润滑系统主要包括递进式集中润滑系统和单线式集中润滑系统。

1、递进式集中润滑系统。该系统主要由ZJ型高压柱塞油脂泵、递进式分配器、油管及各种联接接头组成。其中递进式分配器的类型有三种：SD2片式递进式分配器、DX型整体式递进式分配器、DY型整体式递进式分配器。

递进式集中润滑系统主要使用000#~2#锂基油脂，其工作时间和休止时间可由油泵自带控制器控制，也可以通过风机PLC进行控制。

2、单线式集中润滑系统。该系统主要用于海上风电中，系统由ZH型高压柱塞油脂泵、DF单线分配器、油管及各种联接接头组成。

单线式集中润滑系统主要使用000#~2#锂基油脂，油泵的工作过程可由自带控制器控制，也可以通过风机PLC进行控制。

在实际应用中，可根据风力发电机的具体情况和客户需求制定不同的配置方案，例如：偏航轴承滚道和偏航齿面可以共用一套集中润滑系统，也可以为每个润滑部位单独配置一套集中润滑系统。对于偏航齿面和变桨齿面的润滑，可根据风机参数设计与之匹配的润滑小齿轮，通过齿轮的相互啮合，把润滑脂涂抹到啮合区域的齿面上以实现齿面润滑。

Wind power centralized lubrication system is tailored specifically of turbine nacelle, which is fundamentally important for bearings of generator, yaw, pitch, hub, and as well its pinions. The system provides the right amount of grease to ensure these parts are fully lubricated, so the equipment operating duration can be guaranteed and even extended. The wind power lubrication system mainly used are the progressive system and the single line system in associate with onshore and offshore applications.

1. Progressive system is composed of ZJ high pressure piston pump, progressive distributor, tube and various connection fittings. There are three types of progressive distributors, which are SD2 modular block, DX Mono block, DY Mono block.

Progressive system mainly uses NLGI000 # ~ 2 # lithium-based grease, its operating and stop time can be controlled by the pump sets, can also be controlled by the PLC of the wind turbine system.

2. Single-line centralized lubrication system. The system is used in offshore wind power, the system by the ZH-type high-pressure piston pump, DF single-line distributor, tubing and a variety of joints.

Single-line centralized lubrication system mainly uses 000 # ~ 2 # lithium-based grease, the pump process can be controlled by the built-in controller, can also be controlled by PLC of the Skada system.

In practical, wind turbines developed different configurations, such as: yaw bearing rollaway and yaw pinions can share one system, it can also be for each lubrication parts alone Configure a system like generator itself, the yaw pinions and pitch pinions too. Parameters designed by a match sets, when the sets meshing with pinions, the grease leveraged to the area of driving pinion.



产品: PRODUCTS



ZJ-※※※※系列
高压柱塞油脂泵
-1L, 2L
ZJ-※※※※ Series
High Pressure Piston
Grease Pump
-1L, 2L



ZJ-※※※※E系列
高压柱塞油脂泵
-1L, 2L
ZJ-※※※※E Series
High Pressure Piston
Grease Pump
-1L, 2L



ZJ-※※※※系列
高压柱塞油脂泵
-4L, 6L, 8L, 12L
ZJ-※※※※ Series
High Pressure Piston
Grease Pump
-4L, 6L, 8L, 12L



ZJ-※※※※E系列
高压柱塞油脂泵
-4L, 6L, 8L, 12L
ZJ-※※※※E Series
High Pressure Piston
Grease Pump
-4L, 6L, 8L, 12L



ZJA-※※※※系列
高压柱塞油脂泵(带压油盘)
-4L, 8L, 12L
ZJA-※※※※ Series High
pressure piston grease pump
-4L, 8L, 12L



ZJA-※※※※E系列
高压柱塞油脂泵(带压油盘)
-4L, 8L, 12L
ZJA-※※※※E Series High
pressure piston grease pump
-4L, 8L, 12L



ZH系列
高压柱塞油脂泵
-4L, 8L, 15L, 20L
ZH Series High
pressure piston
grease pump
-4L, 8L, 15L, 20L



ZHA系列
高压柱塞油脂泵
(带压油盘)-8L, 15L
ZHA Series High
pressure piston grease
pump (mounting
direction free)
-8L, 15L



DF系列单线分配器
-2, 3, 4, 5, 6, 出油口
DF Type Single-line
distributor-2, 3, 4, 5,
6 Oil-out



SD2系列递进式分配器
SD2 Type
modular block
progressive distributor



DX型整体递进式分配器
DX Type monoblock
progressive distributor



DY型整体递进式分配器
DY Type monoblock
progressive distributor



风电润滑小齿轮
(铝合金)
Fan Power lubrication
pinion (Aluminium Alloy)



风电润滑小齿轮
(塑料)
Fan Power lubrication
pinion (PU)



风电油脂收集瓶
250ml(可重复使用)
Grease disposal collector
250L (recyclable usage)



风电油脂收集瓶200ml,
250ml、400ml(一次性使用)
Grease disposal collector
200ml, 250ml, 400ml
(disposable)

二. 车辆底盘类集中润滑系统 Vehicle Chassis Centralized Lubrication System

车辆底盘类集中润滑系统是根据客车、公交车、重载车、自卸车等车辆底盘之特点而专门设计的，主要包括递进式油脂集中润滑系统、加压容积式油脂集中润滑系统、容积式油脂集中润滑系统等三种。

1、递进式油脂集中润滑系统，主要由ZD型高压柱塞油脂泵或PJ型电动油脂泵（不带卸压）、递进式分配器、油管、程控器和各种联接接头组成。其中递进式分配器有三种：DX型整体递进式分配器、DY型整体递进式分配器、U型递进式分配器。集中润滑系统使用的油品是000#~2#锂基油脂，其工作时间和休止时间可由自带的程控器进行控制和调整，也可以通过车辆的PLC进行控制。该集中润滑系统主要应用于重载车、自卸车等车辆底盘的润滑。

2、加压容积式油脂集中润滑系统，主要由ZQ型中压柱塞油脂泵或PJ型电动油脂泵（带卸压）、36型加压容积式分配器或DK型单支加压式分配器、油管、程控器和各种联接接头组成。集中润滑系统使用油品是000#~1#锂基脂，其工作时间和休止时间可由自带的程控器进行控制和调整，也可以通过车辆的PLC进行控制。该集中润滑系统，主要应用于重载卡车、自卸车，亦可用于客车、公交车等车辆底盘之润滑。

3、容积式油脂集中润滑系统，主要由AP系列电动油脂泵或PJ型电动油脂泵（带卸压）、AD型容积式分配器、油管、程控器和各种联接接头组成。集中润滑系统使用油品是000#~0#锂基脂，其工作时间和休止时间由自带的程控器进行控制和调整。该集中润滑系统，主要应用于客车、公交车等车辆底盘之润滑。



The vehicle chassis centralized lubrication system is specially designed based on the chassis of the bus, ic heavy-duty truck loading, truck It is available for progressive grease centralized lubrication system, pressurised volumetric grease centralized lubrication system, volumetric lubrication systems.

1. Progressive grease centralized lubrication system is mainly composed of ZD type high pressure piston pump (or PJ pump), progressive distributor, tubing, controller and various connection joint. The progressive distributor has three types: DX type, DY type progressive distributor, U-type Progessive distributor. The lubrication system is applied for 000# ~ 2# lithium-based grease, the working time and stop time, the controller with control and adjustment, also can be controlled by the vehicle PLC. The centralized lubrication system is mainly used in the heavy-duty truck, dump truck and other vehicle chassis.

2. Pressurized volumetric type grease lubrication system is contained of ZQ type medium pressure piston grease prease pump, 36 type pressurized volumetric distributor or DK type single pressurized volumetric distributor, or DK type single pressurized volumetric distributor, oil tube, controller and fittings. It is applied for 000#~1# grease. The built-in timer can be adjusted the working time and intermittent time, and controlled by the PLC of the automobiles. the centralised lubrication system is mainly used for heavy-duty truck, dumper and also used for bus.

3. The volumtric grease lubrication system is mainly composed of AP series electrical grease pump. PJ type grease pump (with pressure taken-off mechanism), AD type volumetric distributor. Centralized lubrication system is applied for 000#~o# lithium grease, the working time and intermittent time is adjusted by the built-in controller. the centralized lubrication system is mainly used in buses and other vehicles lubrication.

产品: PRODUCTS



AP系列电动润滑泵
AP Type automobile chassis lubrication pump



ZQ型中压柱塞油脂泵
-2、4、6、8L
ZQ Type medium pressure grease pump-2、4、6、8L



ZD型中压柱塞油脂泵
-2、4、6、8L
ZD Type medium pressure grease pump-2、4、6、8L



PJ-20***型电动油脂泵
(油箱式)-0.4、0.8、1.5L
PJ-20 Electrical Grease pump reservoir -0.4、0.8、1.5L



PJB-20***型电动油脂泵
(油包式)-0.3、0.7L
PJB-20 Electrical pump with -0.3、0.7L



U型递进式分配器
U Type progressive distributor



U-M型重卡用递进式分配器
U-M Type progressive distributor for heavy-duty truck



U型重卡用递进式分配器
U Type progressive distributor for heavy-duty truck



DX型整体递进式分配器
DX Type monoblock progressive distributor



DY型整体递进式分配器
DY Type monoblock progressive distributor



AD型容积式分配器
AD Type distributor for automobile chassis



DK型分配器
DK Type distributor



DK单支分配器
DK Single distributor



连接体
Connecting Joint



36型分配器
36 Type distributor



NK-5型微电脑程控器
NK-5 Type microcomputer timer



NK-5B型微电脑数显程控器
NK-5B Type microcomputer timer

三、工程机械集中润滑系统 Engineering Machinery Centralized Lubrication System

工程机械集中润滑系统是根据工程机械的特点而专门设计的，主要由递进式集中润滑系统组成。

递进式集中润滑系统，主要由柱塞油脂泵、递进式分配器、油管及各种联接接头组成。其中常用的柱塞泵有以下六种：ZJ型高压柱塞油脂泵、ZD型高压柱塞油脂泵、PJ型电动油脂泵(不带卸压)、QDG型气动柱塞油脂泵、OD型液压同步油脂泵、ODH型双驱动同步油脂泵；递进式分配器有三种：SD2片式递进式分配器、DX型整体递进式分配器、DY型整体递进式分配器。

由ZJ、ZD型高压柱塞油脂泵所组成的递进式集中润滑系统，主要使用油品是000#~2#锂基脂，其工作时间和休止时间，可使用油脂泵自带的程控器进行控制和调整，也可以通过工程机械的PLC进行控制。本类递进式集中润滑系统广泛应用于工程机械各个领域。

由PJ型电动油脂泵(不带卸压)所组成的递进式集中润滑系统，主要使用油品是000#~1#锂基脂，其工作时间和休止时间，可以通过工程机械的PLC进行控制。本类递进式集中润滑系统广泛应用于工程机械各个领域。

由QDG型气动柱塞油脂泵所组成的递进式集中润滑系统，主要使用油品是000#~1#锂基脂，其工作时间和休止时间，可以通过工程机械的PLC进行控制。本类递进式集中润滑系统主要应用于泵车领域。而泵车的推进杆润滑，可通过DU型双线分配器(其中进油口端连接到液压油路，出油口端连接到推进杆)并由泵车来控制其工作时间，以实现与推进杆同步工作，达到最佳的润滑效果。

由OD型液压同步油脂泵、ODH型双驱动同步油脂泵所组成的递进式集中润滑系统，使用油品是000#~0#锂基脂，其工作时间和休止时间，可直接通过工程机械的PLC进行控制。本类递进式集中润滑系统，广泛应用于泵车领域，而泵车的推进杆润滑，可通过DU型双线分配器来实现。

Engineering machinery lubrication system is based on the characteristics of the engineering machinery specially designed, it is mainly progressive centralized lubrication system.

The progressive centralized lubrication system, is mainly composed of a piston grease pump, distributors, tubing and various connection joint. The piston pump is available for the following six types: ZJ series piston grease pump, ZD type, PJ type, QDG medium pressure piston type, pneumatic plunger oil pump, OD type hydraulic grease pump, ODH Synchronous dual-drive grease pump; the progressive distributor has three kinds: SD2 monoblock progressive distributor and modular block.

The progressive lubrication system combined by ZJ type or ZD type piston grease pump mainly used 000#~2# lithium grease, the built-in timer can be adjusted the working time and intermittent time, and it can also be controlled by the PLC of the enigneer machines , widely used in various field of the engineering machinery.

PJ series pump without pressure released device combined the progressive lubrication kit, applied with NLGI000#~1# grease, and operating time and intermittent time mode, controller by special timer device or PLC of the equipment. The system are widely used in various fields of engineering machinery.

The QDG type pneumatic plunger grease pump combined the centralized lubrication system, the main use of 000# ~ 1# lithium grease, the working time and rest time, can be controlled by engineering machinery PLC. This kind of progressive centralized lubrication system, mainly used in the field of pump truck. While the push rod pump lubrication, through the DU type dual-line distributor (of which the oil inlet end is connected to the hydraulic oil, the oil outlet is connected to the push rod) and by the pump to control the working time, push rod synchronization work to achieve and reach the best lubricating effect.

The centralised lubrication system is composed of OD hydrcallic synchronous grease pump, ODH type double drive synchronous grease pump, the use of 000#~0# lithium grease, the working time and intermittent time controlled directly by PLC of the enigneering machinery, This kind of progressive centralized lubrication system, widely used in the field of pump truck. While the push rod pump lubrication, the same can be achieved by DU type duat-line distributor.



产品: PRODUCTS



ZD型高压柱塞
油脂泵-2升
ZD Type high pressure
piston grease pump -2L



ZD型高压柱塞
油脂泵-4升
ZD Type high pressure
piston grease pump -4L



ZD型高压柱塞
油脂泵-6升
ZD Type high pressure
piston grease pump -6L



ZD型高压柱塞
油脂泵-8升
ZD Type high pressure
piston grease pump -8L



ZJ-3602高压柱塞
油脂泵-2升
ZJ-3602 High pressure
piston grease pump -2L



ZJ-3618高压柱塞
油脂泵-8升
ZJ-3618 High pressure
piston grease pump -8L



ZJ-高压柱塞
油脂泵-8升
ZJ- High pressure piston
grease pump -8L



OD型液压同步
油脂泵
OD hydraulic
synchronous grease
pump



ODH型双驱动同步
油脂泵
ODH Synchronous
dual-drive greasel
pump



QDG型气动柱塞
油脂泵
QDG Series pneumatic
piston grease Pump



NKGH型手动
油脂润滑泵
NKGH Series
manual grease
Pump



PJ-20***型电
动油脂泵(油箱式)-0.4、0.8、1.5L
PJ-20 Electric grease pump
reservoir- 0.4、0.8、1.5L



PJB-20***型电动油
脂泵(油包式)-0.3、0.7L
PJB-20 Electric pump with
grease pack- 0.3、0.7L



SD2系列递进式分配器
SD2 Type progressive
distributor



DU型双线分配器
DU Type dual line
distributor



DX型整体递进式分配器
DX Type monoblock
progressive distributor



DY型整体递进式分配器
DY Type monoblock
progressive distributor



NK-5Y型微电脑程控器
NK-5Y Type
microcomputer timer

四、机械设备类集中润滑系统 Machinery Centralized Lubrication System

机械设备类集中润滑系统，是依据机械设备特点而专门设计的。主要有四种类型：递进式集中润滑系统、容积式集中润滑系统、抵抗式集中润滑系统、油雾集中润滑系统。

1、递进式集中润滑系统：主要由柱塞油脂泵、递进式分配器、油管和各種联接接头组成，其中柱塞油脂泵有二种：ZD型高压柱塞油脂泵、PJ型电动油脂泵；递进式分配器有三种：U形递进式分配器、DX型整体递进式分配器、DY型整体递进式分配器。递进式集中润滑系统，主要使用000#~2#锂基油脂，其工作时间和休止时间，对于由ZD型高压柱塞油脂泵所组成的润滑系统，可通过油脂泵自带的控制器进行控制和调整，也可由机械设备的PLC进行控制；对于PJ型油脂泵所组成的润滑系统，则由机械设备的PLC进行控制。递进式集中润滑系统，工作压力为10~30MPa，广泛应用于需要油脂润滑的各种机械设备。

2、容积式集中润滑系统，主要由具有卸压功能的润滑泵、容积式分配器、油管和各種联接接头组成。使用的油品有两类：稀油和油脂。适用于稀油的润滑泵有：TZ型、HL型、NW型、TY型等电动润滑泵，液压泵站，MRP型气动润滑泵，手摇式润滑泵等；适用于油脂的润滑泵有：ZQ型中压柱塞油脂泵、PJ型电动油脂泵、GM型电动油脂润滑泵、NKGH型手动油脂泵等。所使用的分配器有：检知容积式分配器、加压容积式分配器。

容积式集中润滑系统，工作压力为12~30kgf/cm²，由于其提供给各润滑点的油量精准，因此广泛应用于润滑点300点以下的机床、注塑机械、压铸设备、纺织机械、组合机床、木工、印刷、食品、包装机械等各种领域。

3、抵抗式集中润滑系统，主要由无卸压功能的润滑泵、抵抗式分配器、油管和各種联接接头组成。使用的油品有两类：稀油和油脂，适用于稀油润滑泵有：TZ型、HL型、NW型、TY型等电动润滑泵，TM型自动间歇润滑泵，DC型电磁润滑泵，MRP型气动润滑泵，BM系列马达泵，手拉式、手摇式、手压式等手动润滑泵；适用于油脂的润滑泵有：PJ型中压柱塞油脂泵、GM型电动油脂泵、DC型电磁润滑泵、NKGH型手动油脂泵等。所使用的分配器有：VK、VM型抵抗式分配器，TZJ、TZZ型直通抵抗式比例分配器，TCJ、TCZ型限流杆抵抗式比例分配器，TK型可调抵抗式比例分配器，VD型阻尼式分配器。

抵抗式集中润滑系统，工作压力为2~15kgf/cm²，一般应用于润滑点少于20点的轻工、印刷机械等小型机械设备。容积式集中润滑系统和抵抗式集中润滑系统，其工作时间和休止时间，由所选用的润滑泵所决定：①.当选用TZ型、HL型、NW型、TY型等电动润滑泵和GM型等电动油脂润滑泵时，集中润滑系统的工作时间和休止时间，由润滑泵自带的控制器进行控制和调整，也可由机械设备的PLC进行控制。②当选用TM型间歇润滑泵时，润滑系统的工作时间和休止时间由润滑泵进行控制。③当选用MRP气动润滑泵、DC型电磁润滑泵、BM系列马达泵时，集中润滑系统的工作时间和休止时间由机械设备的PLC进行控制。④当选用手动润滑泵时，润滑系统的工作由人工进行控制。

4、油雾集中润滑系统，主要由OB型油雾润滑泵、油管和各種接头组成。使用的油品为粘度10~68的润滑油。集中润滑系统的工作时间和休止时间，由机械设备的PLC进行控制。该润滑系统除了可提供15个油雾出口外，另外可提供3个手动稀油出口。适用于机械设备之润滑点的润滑和冷却，广泛用于机械行业设备。



Mechanical equipment centralized lubrication system, is based on the characteristics of mechanical equipment specially designed. There are four main types: progressive centralized lubrication system, volumetric lubrication system, resist type lubrication system and oil mist lubrication system.

1. The progressive centralized lubrication system: mainly combined by piston grease pump, progressive distributor, oil mist lubrication system. The piston grease pump has two types: ZD type high pressure piston grease pump, PJ type motor-driven grease pump. Progressive distributor has three kinds: U-type progressive distributor, DX monoblock type distributor, DY type monoblock distributor. Progressive centralized lubrication system mainly used 000# -2# grease. The lubrication system is composed by ZD type high pressure piston pump and the working time and intermittent time is controlled and adjusted by the built-in timer or the PLC of the equipment.

The lubrication system is composed by PJ type grease pump and the working time and intermittent time is controlled and adjusted by the PLC of the equipment.. The progressive centralized lubrication system, the working pressure is 10~30 MPa, widely used in all kinds of mechanical equipment.

2. The volumetric lubrication system is mainly composed of oil pump with pressure taken-off mechanism, volumetric distributor, tubing and fittings. It is used for oil and grease. The oil lubrication pump has: TZ type, HL type, NW type, TY type electrical lubrication pump, and lubrication station, MRP pneumatic pump and Manual pump. The grease lubrication pump has: ZQ type medium pressure piston grease pump, PJ type electrical grease pump, GM type grease pump, NKGH type manual pump. And the relevant distributor has: Inspecting volumetric distributor and pressurized volumetric distributor.

The volumetric lubrication system, the working pressure is 12~30bar, due to its oil precision available to each lube point. It is widely applied to the machine tools, injection molding machinery, die-casting equipment, textile machinery, machine tools, woodworking, printing, packing and food machineries.

3. The resist type lubrication system is mainly composed of oil pump without pressure taken-off mechanism, resist type distributor, tubing and fittings. It is used for oil and grease. The oil lubrication pump has: TZ type, HL type, NW type, TY type electrical pump, TM type intermittent pump, DC type magnetic pump, MRP pneumatic pump, BM type motor pump and Manual pump. The grease lubrication pump has: PJ type medium pressure piston grease pump, GM type electrical grease pump, DC type magnetic pump, NKGH type manual pump. And the relevant distributor has: VK type and VM type resist distributor, TZJ and TZZ type straight resist distributor, TCJ and TCZ type proportion of distributor, TK type adjustable resist type distributor, VD type resist distributor.

The resist type lubrication system, the working pressure is 2~15bar, applied to the lube points less than 20 points of light industries, printing machinery and other small machinery equipment. Due to its oil precision available to each lube point. It is widely applied to the machine tools, injection molding machinery, die-casting equipment, textile machinery, machine tools, woodworking, printing, packing and food machineries. The volumetric lubrication system and the resist lubrication system, the working time and intermittent time is set by the lubrication pump itself: 1. When using TZ type, HL type, NW type, TY type and GM type pump, the system's working time and intermittent time is controlled and adjusted by the timer of the pump, or controlled by the PLC of equipment. When using the TM type intermittent pump, the working time and intermittent time is controlled by the pump itself/. When using MRP pneumatic pump, DC type magnetic pump, BM series motor pump, the working time and intermittent time is controlled by the PLC of the equipment. When using the manual pump, it is worked by the artificial control.

4. The oil mist lubrication system is composed of OB type oil mist lubrication pump, tubing and fittings. The oil viscosity is 10#~68#. The working time and intermittent time is controlled by the PLC of the equipment. The lubrication system can provide 15 oil mist outlet, also can provided 3 manual oil outlets. Suitable for the lubrication and cooling of the mechanical equipment, widely used in the machinery industries.

润滑泵 Lubrication Pump



TZ-2202-2※型电动润滑泵
(TZ-2212-2※型内藏微电脑)
TZ-2202-2※Type motor-driven
lubrication pump
TZ-2212-2※Type with built-in
microcomputer



TZ-2232-2※
型数显电动润滑泵
TZ-2232-2※Type with digital
display timer



TZ-2204-4※型电动润滑泵
(TZ-2212-4※型内藏微电脑)
TZ-2204-4※Type motor-driven
lubrication pump
TZ-2212-4※With built-in timer



TZ-2232-4※
型数显电动润滑泵
TZ-2232-4※Type With
digital display timer



TZ-2232-※※※TE2
型双控双油路电动润滑泵
TZ-2232-※TE2
Type dual-line pump



HL-2202-2※型电动润滑泵
(HL-2212-2※型内藏微电脑)
HL-2202-2※Type motor-driven
lubrication pump
HL-2212-2※Type with built-in
microcomputer



HL-2202-4※型
稀油电动润滑泵
HL-2202-4※Type
motor-driven oil pump



HL-2202-1※型
稀油电动润滑泵
HL-2202-1※Type
motor-driven oil pump



GM-3204-2※型电动油脂润滑泵
(GM-3214-2※型加装微电脑)
GM-3204-2※Type motor-driven grease
pump
(GM-3214-2※Type has built-in
microcomputer



GM-3204-4※型电动油脂润滑泵
(GM-3214-4※型加装微电脑)
GM-3204-4※Type motor-driven grease
pump
(GM-3214-4※Type has built-in
microcomputer



GM-3234-4※※※型
电动油脂润滑泵
GM-3234-4※※※ Type timer
With digital display



MRP气动润滑泵系列
MRP Pneumatic Pump



OB型油雾润滑泵
OB Type fog lubrication
pump



TY系列电动稀油润滑泵
TY Series of lubrication
pump electrical



NW系列电动稀油润滑泵
NW Series of electrical oil
pump



NKHY-8手摇稀油润滑泵
NKHY-8 manual pump



NKHY-8X型带脱压
机构手摇式手动泵
NKHY-8X type with pressure
taken-off device hand pump



NKHL-8L(R)型左手拉泵
NKHL-8L(R) L(R)type



NKHL-8L(R)型右手拉泵
NKHL-8L(R) R(R)type



NKHL-3L
左拉式稀油润滑泵
NKHL-3L Left hand pull type
manual oil pump



NKHL-3M中拉式稀油润滑泵
NKHL-3M Mid hand pull type
manual oil pump



NKHL-3R右拉式稀油润滑泵
NKHL-3R Right hand pull type
manual oil pump



BM系列马达泵
BM Series motor
pump



DC型电磁润滑泵
DC Type electromagnetic
oil pump



ZD型高压柱塞油脂泵-2升
ZD Type high pressure piston
grease pump -2L



ZD型高压柱塞油脂泵-4、6、8升
ZD Type high pressure piston
grease pump -4、6、8L



ZQ型中压柱塞油脂泵-2升
ZQ Type Medium pressure
piston grease pump -2L



ZQ型中压柱塞油脂泵-4、6、8升
ZQ Type Medium grease pump
-4、6、8L



PJ-20※※※※型电动油脂泵(油箱式)
-0.4、0.8、1.5L
PJ-20 Electric Grease pump (reservoir)
-0.4、0.8、1.5L



PJB-20※※※※型电动油脂泵
(油包式)-0.3、0.7L
PJB-20 Electric pump with grease
pack -0.3、0.7L

分配器 Distributor



VK型可调抵抗式分配器
VK resist type distributor



VM型可调抵抗式分配器
VM resist type distributor



TK型可调抵抗式分配器 规格: $\phi 4$ 、 $\phi 6$; 2-10口
TK resist type distributor Model: $\phi 4$ 、 $\phi 6$; 2-10 point



TCJ、TCZ型限流杆式比例分配器
TCJ、TCZ restriction resist-type proportion distributor



TZJ、TZZ型直流通式比例分配器
TZJ、TZZ through resist-type proportion distributor



OA型油气分配器
OA Type Oil/air Distributor



34型***加压力容积式分配器
34(34****) pressure volumetric distributor



35型***加压力容积式分配器
35(35****) pressure volumetric distributor



36型***加压力容积式分配器
36(36****) pressure volume type distributor



DK型分配器
DK type distributor



RH-2***型检知容积式分配器
RH-2*** inspecting volumetric distributors



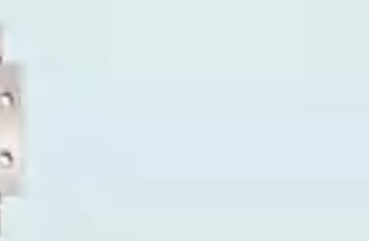
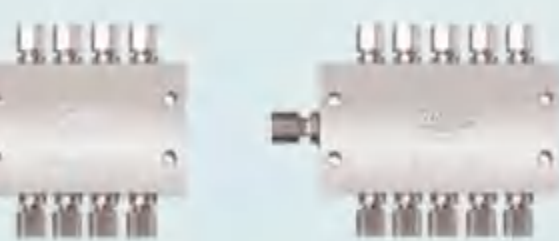
RH-3***型检知容积式分配器
RH-3*** inspecting volumetric distributors are all patented products



U型递进式分配器
U Type progressive distributor



DX、DY型递进式分配器规格: 2-24
DX、DY Type Progressive Distributor (Specification: 2-24)



SD3系列递进式分配器
SD3 Type Progressive Distributor



SD3带电器微动开关式循环指示器工作片
SD3 Type working block with electric circling micro-switch indicator



带机械指示杆式循环指示器工作片
SD Type working block with mechanical cycling indicator



SD2系列递进式分配器
SD2 Type Progressive Distributor



SD2带电器微动开关式循环指示器工作片
SD2 Type working block with electric circling micro-switch indicator



带机械指示杆式循环指示器工作片
SD Type working block with mechanical cycling indicator



中间密封片
Middle Sealing Block



SD1系列递进式分配器
SD1 Type progressive Distributor



单、双出口口工作片
Single /Double Oil Outlet Block

配件 Accessories



AU集成U型递进式分配器附件
AU Intergrated U-shaped progressive distributor accessories



AU-T集成U型递进式分配器附件
AU Intergrated T-shaped progressive distributor accessories



NK-2型拨键式微电脑定时器
NK-2 key-type microcomputer timer



NK-3型数显轻触式微电脑定时器
NK-3 touch-type microcomputer timer with digital display



NK-5A型微电脑程控器
NK-5A type microcomputer timer



NK-5B型微电脑程控器
NK-5B type microcomputer timer



油脂液位传感器
Grease level sensor



TZ8005液位开关
TZ8005 level switch



PS系列压力开关
PS series pressure switch



PS2000系列压力开关
PS series pressure switch



PSH3010系列压力开关
PS series pressure switch



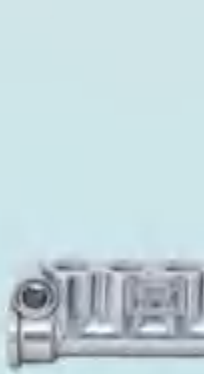
4T-8-8L、4T-10-10L四通接头
4T-8-8L、4T-10-10L 4-way joint



2TD型固定双通接头
2TD series fixed double passage joint



TH型连接体 规格: $\phi 4$ 、 $\phi 6$; 2-8口
TH series joints model: $\phi 4$ 、 $\phi 6$; 2-8 point



TM型向双连接体 规格: $\phi 4$ 、 $\phi 6$; 4-8口
TM series dual-sided joints model: $\phi 4$ 、 $\phi 6$; 4-8 point



3T-8-8T、3T-10-10L三通接头
3T-8-8T、3T-10-10L 3-way joints



F-20稀油滤油器
F-20 oil filter



FT-1L6***型稀油滤油器
FT-1L6*** oil filter



FT-10L***型稀油滤油器
FT-10L*** oil filter



滤油网
Oil screen



KP-3、KP-7油位计
KP-3、KP-7 oil gauge



MJ-1、MJ-2型油镜
MJ-1、MJ-2 immersion lens



压力表
Pressure gauge



KG管道油制
KG tube oil switch



喷油嘴
Oil Nozzle



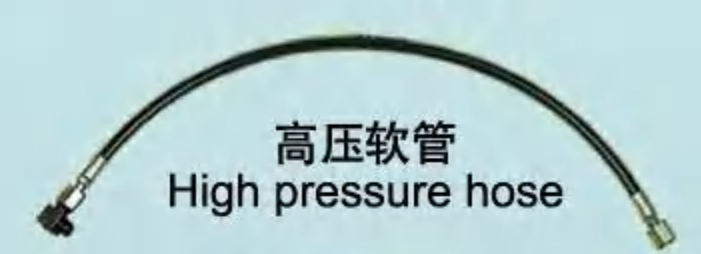
扫油组件
Oil brush assy



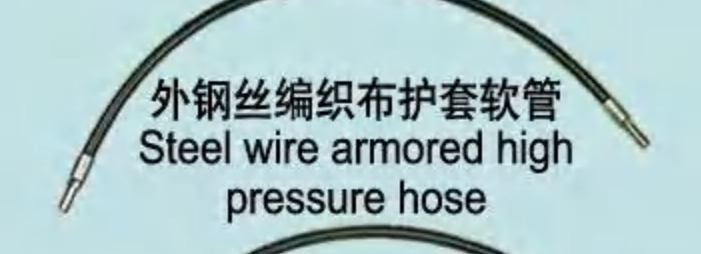
OB-1816油刷
OB-1816 oil brush



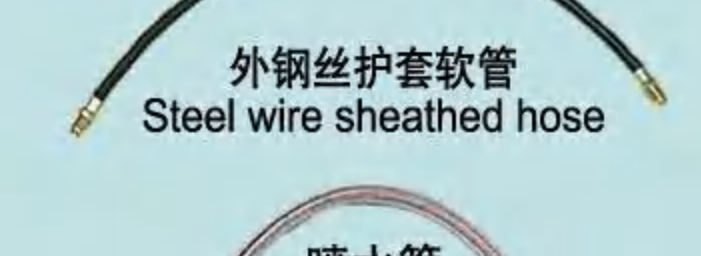
PC类单、双边固定管夹 规格: $\phi 4$ 、 $\phi 6$; 1-6管
PC series one or double side tube model: $\phi 4$ 、 $\phi 6$; 1-6 tube



高压软管
High pressure hose



外钢丝编织布护套软管
Steel wire armored high pressure hose



外钢丝护套软管
Steel wire sheathed hose



喷水管
Shower pipe



万向曲管
Universal curved duct



网胶管
Meshed plastic tube



PD类活动直通接头
PD series through joints



PL类活动直弯接头
PL series right-angle joint



PB类密封圈
PB series gasket ring



PA类油管接头
PA series oil tube connector



PO类密封垫圈、PS类油塞
PO series gasket ring、PS series oil plug



PS类油塞
PS series oil plug



PN类接头螺母
PN series joint nut



PD类直通接头、单向直通接头
PD series through joints、right-angle one-way joint



PL类直角接头单、向直角接头
PL series through joints、right-angle one-way joint



HY类直: 45°、90° 黄油嘴, 分铜、铁制
HY series through joints、45°、90° grease nozzle, Made of copper and iron materials respectively



尼龙管、铜管、铝管
规格: $\phi 4$ 、 $\phi 6$ 、 $\phi 8$ 、 $\phi 10$
Nylon tube, copper tube, aluminum tube
model: $\phi 4$ 、 $\phi 6$ 、 $\phi 8$ 、 $\phi 10$

五、锻压、钣金设备类集中润滑系统 Engineering Machinery Centralized Lubrication System



锻压、钣金设备类集中润滑系统是专门为锻压、钣金等设备类而设计的集中润滑系统。主要有递进式集中润滑系统和容积式集中润滑系统两种。

1、递进式集中润滑系统：主要由电动油脂泵、递进式分配器、油管及各种联接接头组成。常用的电动油脂泵有如下两种：PJ系列电动油脂泵和ZD型高压柱塞油脂泵；递进式分配器主要有五种：SDA系列片式递进式分配器、SD系列片式递进式分配器、U型递进式分配器、DX型整体式递进式分配器、DY型整体式递进式分配器。

※、由PJ系列电动油脂泵(不带卸压装置)组成的递进式集中润滑系统：主要使用000#~1#锂基油脂，其工作时间和休止时间，可由专用程控器或者设备的PLC控制，油脂泵按结构形式可分为油箱式和油包式两种类型，并可根据客户需求配置低液位开关，实现低液位报警。

※、由ZD型高压柱塞油脂泵组成的递进式集中润滑系统：主要使用000#~2#锂基油脂，其工作时间和休止时间，可由自带程控器或者设备的PLC控制。

2、容积式集中润滑系统：主要由电动油脂泵、容积式分配器、油管及各种联接接头组成。常用的电动油脂泵有如下两种：PJ系列电动油脂泵和ZQ型中压柱塞油脂泵；容积式分配器主要有五种：35型加压容积式分配器、36型加压容积式分配器、DK型加压容积式分配器、AD型定量容积式分配器、RH3型检知容积式分配器。

※、由PJ系列电动油脂泵(带卸压装置)组成的容积式集中润滑系统：主要使用000#~1#锂基油脂，其工作时间和休止时间，可由专用程控器或者设备的PLC控制，油脂泵按结构形式可分为油箱式和油包式两种类型，并可根据客户需求配置低液位开关，实现低液位报警。

※、由ZQ型中压柱塞油脂泵组成的容积式集中润滑系统：主要使用000#~1#锂基油脂，其工作时间和休止时间，可由自带程控器或者设备的PLC控制。

在实际应用中，可根据设备的具体情况和客户的需求制定适合的配置方案，以实现最佳的润滑效果。

Forging and metal equipment centralized lubrication system is specially designed for the forging and metal equipment industries. They are available for progressive centralized lubrication system and volumetric lubrication system.

1. Progressive lubrication system is composed of electrical grease pump, progressive distributors, tubing and fittings. There are typically of two pumps available. One is PJ type and the other is ZD type piston grease pump. The progressive distributor is classified with SDA modular type, SD type modular type, U Shape, DX mono block and DY type mono block distributor.

PJ type pump without pressure released device combined the progressive lubrication system: applied with NLGI000#~1# grease. The working time and intermittent time mode controlled by special controller or the PLC of the equipment. It is available for oil reservoir type or grease pack. It is option for level switch sensor to realize the alarming for the low liquid level.

ZD type progressive lubrication system is applied for 000#~2# grease, and the working time and intermittent time is controlled by built-in controller or PLC of the equipment.

2. Volumetric lubrication system is composed of electrical lubrication pump, volumetric distributor, oil tube and fittings. There are typically two kinds of pumps, One is PJ type, another is ZQ type. There are five kinds of volumetric distributors: 35 type pressurized volumetric distributor, 36 type pressurized volumetric distributor, DK type pressurized volumetric distributor, AD type volumetric distributor, RH3 type inspecting volumetric distributor.

PJ series pump with pressure release device, combined the volumetric distributor, applied with NLGI000#~1# grease, working time and intermittent time controlled by timer or PLC of the equipment. It is available for oil reservoir type and grease pack. Option for level switch sensor to realize the alarming for low liquid level.

ZQ type piston grease pump with volumetric distributor to combine with progressive distributor, applied for 000#~1# grease, and controlled by built-in timer or PLC of the equipment.

In application, we can customize the scheme according to the specification of equipment and customer's requirement in purpose of best lubrication.

油脂泵 Lubrication Pump



PJ-20*15*Type
motor-driven grease
pump 1.5L-DC24V,
AC220, AC380



PJ-20*08*Type
motor-driven grease
pump 0.8L-DC24V,
AC220, AC380



PJ-20*03*Type
motor-driven grease
pump 0.3L-DC24V,
AC220, AC380



PJB-20*07*Type
motor-driven grease
pump 0.7L-DC24V,
AC220, AC380



PJB-20*04*Type
motor-driven grease
pump 0.4L-DC24V,
AC220, AC380



ZD Type high
pressure plunger
grease pump -2L



ZD Type high pressure
plunger grease pump
-4L, 6L, 8L



ZQ Type medium
pressure
lubrication pump
-2L

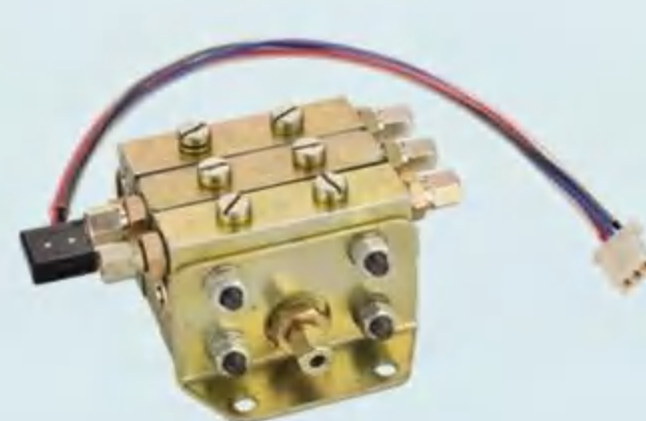


ZQ Type medium
pressure lubrication
pump -4L, 6L, 8L

分配器 Distributor



SDA1 Type progressive
Distributor



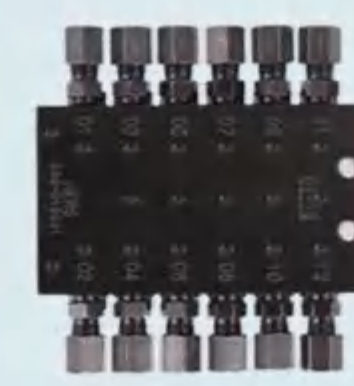
SDA2 Type progressive
Distributor



U Type progressive
Distributor



SD Type progressive
Distributor



DX Type progressive
Distributor



DY Type progressive
Distributor



35 type pressurized volumetric distributor



36 type pressurized volumetric distributor



DK type pressurized volumetric
distributor



AD Volumetric distributor for automobile
chassis



RH3 inspecting volume type distributors are all
patented products

配件 Accessories



PSA series
pressure switch



PS series
pressure switch



Oil filter FG-L08-160 type



Oil filter F-20



Pressure gauge



YB-700 grease pack



YB-400 grease pack



Cycle indicator
XZQ-1 type



Cycle indicator
XZQ-2 type



Tee connector



Through Fitting



Sealing ring



Tube joint



Clamp type fitting



Adaptor joint

六、大型设备集中润滑系统 Large Machinery Centralized Lubrication System

大型设备集中润滑系统，是根据钢铁、冶金、矿山、水泥、港口等机械设备之特点而专门设计的。主要包括双线式集中润滑系统、递进式集中润滑系统和喷射润滑系统等。根据客户需求，可以提供各种规格的稀油循环润滑系统之定制。

1、双线式集中润滑系统由两条主管路组成供油管路，一个工作循环内两根主管路通过换向阀交替供油，驱动双线分配器两侧的出油口向润滑点定量输送润滑剂的系统。该系统由柱塞油脂泵、滤油器、换向阀、双线分配器、压差开关、电控柜、管路及附件等组成。双线式集中润滑系统适用润滑剂范围在NLGI 000#~3#，工作压力最高可达40MPa，分配器出口排量范围0~15mL/次，可设润滑点最多可达1000个，管路最长可达150米。

2、递进式集中润滑系统，分配器各出油点按顺序依次出油，主要由柱塞油脂泵、递进式分配器、控制器、管路及附件等组成。递进式集中润滑系统适用润滑剂范围在NLGI 000#~2#，工作压力最高可达40MPa，分配器出口排量范围0~15mL/次，单线递进式分配器最多可接三级，可设润滑点1~200个。

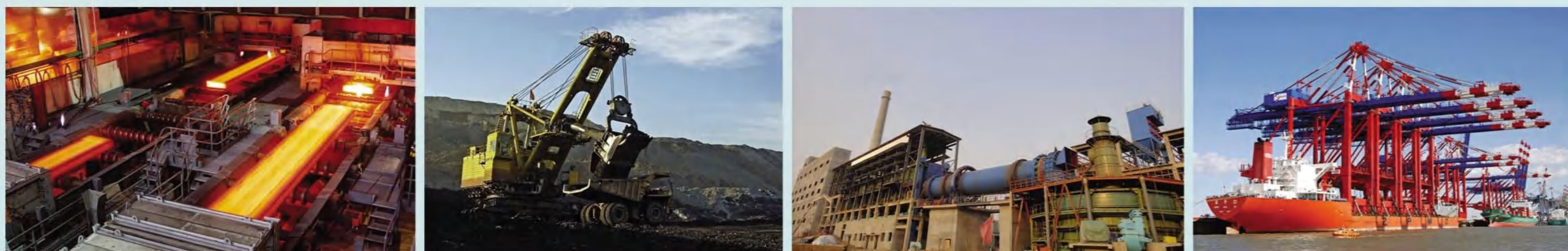
3、喷射润滑系统，可根据需要提供不同形式的喷射润滑系统，如单线喷射润滑系统、无气润滑系统等。喷射润滑系统特别适用于冶金、矿山、水泥、化工、造纸等行业的大型开式齿轮(如球磨机、回转窑、挖掘机、高炉布料器等)以及钢丝绳、链条的润滑。

The large machinery lubrication system is designed for metallurgy , milling, mine, cements and port machineries. It contains dual line system and progressive lubrication system and spray lubrication system. According to the customer's requirement, it can be customized various of oil circulation lubrication system.

1. Dual line centralized lubrication system consists of two main pipe lines. In the working circulation system, supply lubricant via switching diverter valve, alternatively operating with both main line and metering the lubricant. The system is composed of piston grease pump, filters, switcher, dual-line distributor, pressure switch, panel, tube and fittings. The dual line lubrication system is applied with NLGI000#~3#, discharge capacity range is 0~15 ML/time. The maximum working pressure up to 40MPa, It can be satisfied with more than 1000 lube points. The tube length up to 150 meters.

2. Progressive centralized lubrication system, distributor is delivery the oil in order , is mainly composed of the piston grease pump, progressive distributor, controller, tubing and fittings. The progressive system is applied for NLGI000#~2#, working pressure is up to 40Mpa. The distributor outlet displacement range is 0~15ml/time. Single progressive distributor can take up to 3 classes line, can set 1~200 lube points.

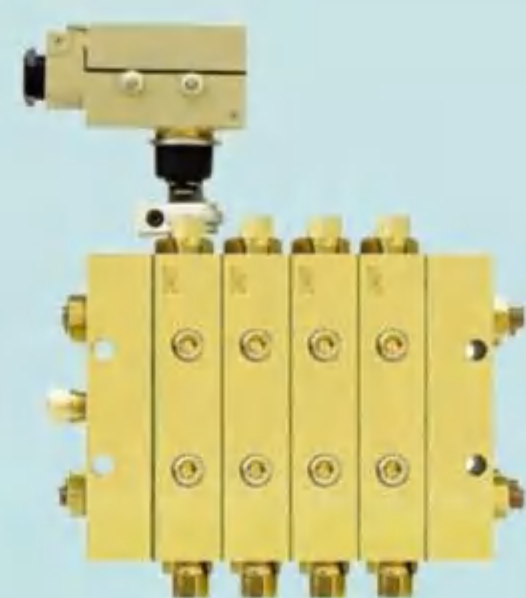
3. Spray lubrication system using different spray way like single line lubrication system, no air lubrication system. The spray system is specially applicable for metallurgy, Mining, Cements , petrochemical, paper industries, Etc.



产品: PRODUCTS



高压柱塞油脂泵
High pressure piston grease pump



递进式分配器
Progressive distributor



双线分配器
Dua-line distributors



双线分配器
Dua-line distributors



换向阀
Reversing Valves



换向阀
Reversing Valves



压差开关
Differential pressure switching device



稀油润滑站
Lubrication station

七、轨道交通集中润滑系统 Rail Transit Centralized Lubrication System

轨道交通集中润滑系统是根据轨道运输中轮轨和轮缘之间的工况而专门设计的。其基本工作原理为油气润滑系统。

轨道交通集中润滑系统，按需要时间持续喷射，每次以需要的润滑剂量的高速喷在轮缘上。在喷射过程中能够对润滑剂产生作用并使之形成精细油膜层，越靠近喷嘴油膜层的厚度越小同时也越精细。

轨道交通集中润滑系统，可以大幅降低机车的运行费用，大幅减少车轮轮缘的磨损，减少由于轮缘磨损而对车轮进行修磨的次数从而使车轮的使用寿命延长2~3倍，降低机车的行驶噪音，同时精确的润滑不会造成环境污染。

轨道交通集中润滑系统，包含气源、油泵、油气分配器、喷嘴、控制器、检测元件和管路附件等组成。

轨道交通集中润滑系统，可提供如下控制方式：

- 1、手动控制模式，手动强制润滑，不分方向；
- 2、时间控制模式，系统按设定的时间工作，不分方向；
- 3、距离控制模式，系统按设定的距离工作，不分方向；
- 4、弯道控制模式，自动检测机车进入或离开弯道，控制相应一侧的润滑装置工作；
- 5、时间+弯道控制模式，直线状态为时间控制模式，弯道状态为弯道控制模式；
- 6、距离+弯道控制模式，直线状态为时间距离模式，弯道状态为弯道控制模式。

The rail traffic centralized lubrication system is specially designed according to the condition between the wheel and the rail in the rail transit. The basic working principle is for the oil and gas lubrication system..

Train rail centralized lubrication system, the nozzle jet spray the required lubricant following with the high speed on the rim. In the inject process, The lubricant sprayed on the rims and formed the fine oil film layer, sprayer closer, the thickness of the oil film is smaller and more precision.

Trail rail system, can significantly reduce the operating costs of the rails, a significant reduction in the wheel rim war and tear, to reduce the wheel wear due to the number of wheels grinding the number of times so that the wheel life extension of 2~3 times, lower running noise, while accurate lubrication will not cause environmental pollution.

Rail transit centralized lubrication system is inclusive of gas source, pump, oil and gas distributor, nozzle ,controller, detection unit and pipe fittings and so on.

Rail centralized lubrication system, can provide the following control methods:

1. Manual Control mode, manual forced lubrication , regardless of direction;
2. Time control mode, the system work according to the set time, regardless of direction;
3. Distance control mode, the system work according to the set of distance, regardless of direction;
4. Corner control mode, automatic detection of rail into or out of the corner, control the corresponding side of the lubrication device work;
5. Time+ curve control mode, the straight line state is the time control mode, the curve state is the curve control mode;
6. Distance + curve control mode, the straight line state is the time distance mode, the curve state is the curve control mode.

产品：PRODUCTS



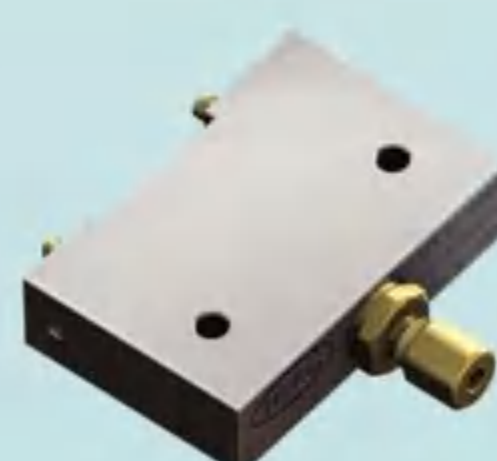
气动计量泵
Pneumatic Metering pump



油气分配器
Oil & air distributor



喷嘴
Spray nozzle



双喷嘴组件
Dual nozzle assembly



油泵油箱单元
Oil Reservoir unit of pump



控制器
Control unit



NA65-G



NA75-G



NA85-G



NH20-G(20升)



NH20-GS



NJL9011卷扬器(1/4"x15m)
NJL9011windlass(1/4"x15m)

智能集中润滑系统 Intelligent Centralized Lubrication System

智能集中润滑系统是传感技术、信息技术、自动化控制、机械制造和管理思想的有机集成。

智能集中润滑系统按适时、适量、精确的润滑理念进行设计与制造，具备全自动控制和网络监控功能；具有逐点定时定量供油、逐点监测、故障智能判断和报警、高度自动化的泵送系统、远程监控、人机界面等特点。

智能集中润滑系统由上位机、主控系统、高压润滑泵、加油罐、过滤器、电磁给油器、管路附件等组成。其油路采用一个电磁给油器控制一个润滑点的逐点供油方式，通过开关电磁阀的通断次数控制每一个点的供油量，并可设定每一个润滑的供油周期，采用检测润滑脂在电磁给油器内位移信号来真实反映润滑点状态，并通过润滑全面管理软件对所有润滑部位的状态进行管理。

智能集中润滑系统，依据信号传输距离的远近，可选择RS485或以太网等通讯方式。

智能集中润滑系统应用领域：冶金、矿山、电力、石化、建筑、运输、港口等。

Intelligent centralized lubrication system is an integration management of sensor & information technology, automation, machinery and of a smart technology idea.

Intelligent centralized lubrication system in principal of timely, appropriate, accurate design and manufacturing, with automatic control and network monitoring; with point to point quantitative feed, point to point monitoring, auto troubleshooting and alarm, highly automated pumping System, remote control, man-machine interface and so on.

Intelligent centralized lubrication system with the host computer, the main control system, high pressure pump, reservoir, filter, electromagnetic feeder, pipe accessories and other components. The oil circuit uses an electromagnetic device to control a lubrication point to point feed, through the switch solenoid valve on and off the number of times to control the supply of oil at each point, and can set each lubrication of the oil cycle, The travel of pin is detected by the electromagnetic sensor within the displacement signal to truly reflect the lubrication point state, and through a comprehensive management software to manage the status of all lubrication divisions.

Intelligent centralized lubrication system, according to the distance signal transmission, can choose RS485 or Ethernet and other by means of communication protocol.

Intelligent centralized lubrication system applied in area: metallurgy, mining, power industry, petrochemical, Construction, transportation, ports crane, etc.

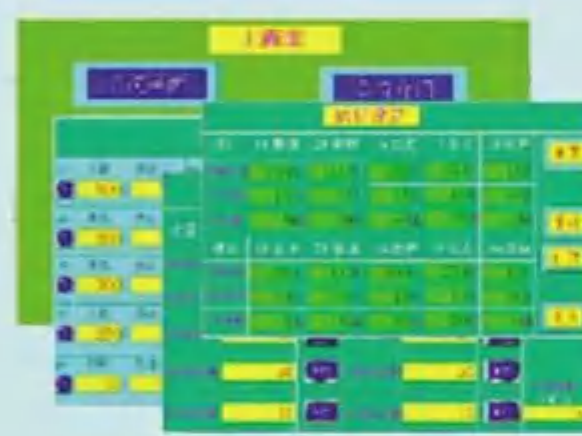
产品：PRODUCTS



中央控制柜
Central Control Cabinet



可编程控制器及扩展模块
PLC & Expansion module



人机界面
Human-computer interface



高压柱塞油脂泵
High pressure piston grease pump



高压柱塞油脂泵
High pressure piston grease pump



智能分油箱
Intelligent grease distributor box



分配器
Distributor



电磁给油器
Solenoid grease feeder



循环指示器
circulating indicator



压力传感器
Pressure Sensor



过滤器
Filter



气动补油装置
Pneumatic grease replenish machines



管接头
Tube connector



油管
Oil tube



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