



高新技术企业

# HYDRAULIC MACHINERY MANUFACTURERS

研制、生产和销售及服务于一体的  
液压机械制造商



力能  
LINENG

力能液压机械有限公司  
HYDRAULIC  
MACHINERY CO.,LTD



力能液压机械有限公司  
LINENG HYDRAULIC  
MACHINERY CO.,LTD

Foshan Lineng Hydraulic Machinery Co., Ltd

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高新技术企业

中国·广东·佛山  
CHINA · GUANGDONG · FOSHAN



# LINENG HYDRAULIC MACHINERY CO.,LTD

## Introduction

### 企业简介

始终追求质量和服务  
ALWAYS FOR QUALITY AND SERVICE



佛山市力能液压机械有限公司是一家具有多年研发、设计、制造液压机械经验的专业企业,技术力量雄厚,管理体系完善。公司与国内多家知名企业、科研院校合作,产品畅销全国,并出口到美国、俄罗斯、澳大利亚、埃及、巴西、缅甸、坦桑尼亚、印尼、越南、巴基斯坦、泰国、台湾等海外国家和地区,是国内液压机制造的专业典范、行业先驱,在客户中赢得了较高的声誉。

公司主要产品有LN28系列四柱双动液压拉伸机;LN28A系列两道拉伸复合型液压机;LN32系列四柱单动液压机;LN33系列四柱上移式液压机;LN34系列框架上移式液压机;LN34-S系列框架下压式液压机;LN41系列单柱液压机;LN61系列四柱式三通液压机;LN64系列四柱式冷挤压液压机;LN98系列水胀形液压机;Ln99系列内高压成形液压机;LN34-R系列钢丝缠绕液压机,以及各种液压站、油缸等,并可根据客户要求设计、制造各种非标液压机械。

公司产品目前主要服务于以下行业:汽摩行业(拉伸件、水胀成形),汽摩行业(冷挤压件),杯壶业(拉伸、冷挤压、水胀形),厨具行业,梯花管水胀行业,家具脚水胀管,水龙头行业家电行业,铝扣天花板行业,金银饰品,门花行业等;并不断开发新的行业及其适用机型。

公司将秉承“质量至上、诚信服务”的经营宗旨,以市场需求为导向,以客户满意为核心,坚持改革创新,争创国际一流,不断提升“力能”的品牌价值!

Foshan Lineng Hydraulic Machinery Co., Ltd. is a professional enterprise with years of experience in research and development, design, and manufacturing of hydraulic machinery, with strong technical strength and a complete management system. The company has cooperated with multiple well-known domestic enterprises and research institutions, and its products are best-selling nationwide. They are exported to overseas countries and regions such as the United States, Russia, Australia, Egypt, Brazil, Myanmar, Tanzania, Indonesia, Vietnam, Pakistan, Thailand, Taiwan, etc. It is a professional model and industry pioneer in the manufacturing of hydraulic presses in China, and has won a high reputation among customers.

The company's main products include LN28 series four column double action hydraulic stretching machines; LN28A series dual stretch composite hydraulic press; LN32 series four column single action hydraulic press; LN33 series four column upward moving hydraulic press; LN34 series frame up moving hydraulic press; LN34 S series frame down pressure hydraulic press; LN41 series single column hydraulic press; LN61 series four column three way hydraulic press; LN64 series four column cold extrusion hydraulic press; LN98 series water bulging hydraulic press; Ln99 series internal high-pressure forming hydraulic press; The LN34-R series steel wire winding hydraulic press, as well as various hydraulic stations, oil cylinders, etc., can design and manufacture various non-standard hydraulic machinery according to customer requirements.

The company's products currently mainly serve the following industries: automotive and motorcycle industry (stretching parts, water expansion forming), automotive and motorcycle industry (cold extrusion parts), cup and kettle industry (stretching, cold extrusion, water expansion forming), kitchen utensils industry, ladder flower tube water expansion industry, furniture foot water expansion pipe, faucet industry, home appliance industry, aluminum buckle ceiling industry, gold and silver jewelry, door flower industry, etc; And continuously develop new industries and their applicable models.

The company will adhere to the business philosophy of "quality first, honest service", guided by market demand, with customer satisfaction as the core, adhere to reform and innovation, strive for international first-class, and continuously enhance the brand value of "Power"!



创一流企业 创一流产品 创一流服务  
A first-class enterprises, a first- -class products,  
First class service.

 力能液压机械有限公司  
LINENG HYDRAULIC MACHINERY CO.,LTD

质量创造品牌 品牌创造市场  
A name brand is made of quality,brand the market





### 高新技术企业

优良的产品质量对力能的用户而言就意味着可靠性、生产效率和经济性。力能先进的加工加上全面质量管理和员工在各个生产阶段所显示出的高度责任心，将会确保力能每项工艺和生产都能够获得最好的质量。

Excellent product LINENG for the user of the rhett means that reliability, efficiency and economy. Oh rhett advanced processing and total LINENG management and the employees in each production stage showed high responsibility will ensure that the rhett each process and production to be able to get the best LINENG.





▼ 办公室 OFFICE



▼ 加工车间 PROCESSING WORKSHOP



▼ 成品仓库 FINISHED PRODUCT WAREHOUSE



▼ 配件仓库 PARTS WAREHOUSE







▶▶▶ LN28系列四柱快速液压拉伸机  
LN28 series four column fast hydraulic stretching machine



产品特点

Product Features

- 活动横梁二段速度, 空载快速下行, 慢速靠模压制, 快速回程, 工作效率高;
  - 自动退料装置, 简化模具结构;
  - 自动计数功能;
  - 主要密封件采用进口产品, 使用寿命长;
  - 关键电器元件采用欧美日知名品牌, 工作可靠性高;
  - 液压元件选用国际知名品牌, 确保使用性能良好;
  - 立柱、活塞杆表面均经中频处理、镀硬铬;
  - 配备红外线保护装置, 操作更安全;
  - 集中润滑系统, 延长机器使用寿命;
  - 多种工作模式: 主缸定程、定压可选, 下缸压边、退料可选, 打料使用、不使用可选, 下缸使用、不使用可选。
- The movable crossbeam has two sections of speed, fast descending without load, slow profiling and pressing, fast return, and high work efficiency;
  - Automatic material return device, simplifying mold structure;
  - Automatic counting function;
  - The main sealing components are imported products, with a long service life;
  - The key electrical components adopt well-known brands from Europe, America, and Japan, with high working reliability;
  - The hydraulic components are selected from internationally renowned brands to ensure good performance;
  - The surface of the column and piston rod are treated with medium frequency and plated with hard chromium;
  - Equipped with infrared protection device for safer operation;
  - Centralized lubrication system to extend the service life of the machine;
  - Multiple working modes: main cylinder fixed stroke and constant pressure optional, lower cylinder edge pressing and material returning optional, material using or not using optional, lower cylinder using or not using optional.

产品用途

Product Uses

LN28系列四柱快速液压拉伸机是专为铝制品及不锈钢制品行业设计制造的, 特别适用于铝质薄板拉伸和铝制品的压制成形及不锈钢薄板拉伸和不锈钢制品的压制成形, 也适用于金属材料的整形、切边、翻边、弯曲或复合拉伸等工艺。

本系列机型广泛应用于厨具、餐具、五金、汽车、摩托车等行业。

The LN28 series four column rapid hydraulic stretching machine is designed and manufactured specifically for the aluminum and stainless steel product industries. It is particularly suitable for the extrusion forming of aluminum sheets and aluminum products, as well as the extrusion forming of stainless steel sheets and stainless steel products. It is also suitable for processes such as shaping, trimming, flanging, bending, or composite stretching of metal materials.

This series of models is widely used in industries such as kitchenware, tableware, hardware, automobiles, motorcycles, etc.

技术参数

Technical Parameter

| 项目<br>Project                                                    | 单位<br>Unit               | 参数 Parameter |         |         |         |          |          |          |          |
|------------------------------------------------------------------|--------------------------|--------------|---------|---------|---------|----------|----------|----------|----------|
|                                                                  |                          | LN28-35      | LN28-45 | LN28-65 | LN28-80 | LN28-100 | LN28-120 | LN28-130 | LN28-150 |
| 公称力 Nominal force                                                | KN                       | 250          | 300     | 400     | 500     | 650      | 800      | 800      | 1000     |
| 主缸液体工作压力 Main cylinder liquid working pressure                   | MPa                      | 20           | 20      | 20      | 20      | 21       | 21       | 21       | 20.5     |
| 回程力(16MPa时) Return force (at 16MPa)                              | KN                       | 33           | 33      | 36      | 43      | 49       | 54       | 54       | 61       |
| 压边力 Edge holding force                                           | KN                       | 100          | 150     | 250     | 300     | 350      | 400      | 500      | 500      |
| 压边缸液体最大压力 Maximum liquid pressure of edge pressing cylinder      | MPa                      | 20           | 20      | 20      | 20      | 23       | 20       | 20       | 20       |
| 上顶出力(20MPa时) Top output force (at 20MPa)                         | KN                       | 50           | 50      | 50      | 50      | 50       | 50       | 50       | 50       |
| 活动横梁行程 Travel of movable crossbeam                               | mm                       | 375          | 440     | 440     | 440     | 500      | 500      | 500      | 560      |
| 压边行程 Edge pressing stroke                                        | mm                       | 180          | 220     | 220     | 220     | 250      | 250      | 250      | 280      |
| 上顶出最大行程 Maximum stroke of top ejection                           | mm                       | 160          | 160     | 160     | 160     | 180      | 180      | 180      | 220      |
| 活动横梁至工作台面距离 Distance from the movable crossbeam to the workbench | 最大 Maximum               | 700          | 740     | 740     | 740     | 850      | 860      | 900      | 900      |
|                                                                  | 最小 Minimum               | 325          | 300     | 300     | 300     | 350      | 360      | 400      | 340      |
| 活动横梁升降速度 Moving beam lifting speed                               | 快速下行 Fast down           | mm/s         | 450     | 450     | 400     | 400      | 350      | 350      | 300      |
|                                                                  | 慢速加压 Slow pressurization | mm/s         | 40-75   | 30-60   | 17-33   | 14-30    | 16-30    | 17-25    | 20-24    |
|                                                                  | 快速回程 Fast return         | mm/s         | 400     | 400     | 350     | 350      | 350      | 300      | 300      |
| 工作台面距底面高度 The height of the workbench from the bottom surface    | mm                       | 950          | 950     | 980     | 980     | 1030     | 1055     | 1100     | 1130     |
| 电动机功率 Motor power                                                | KW                       | 11           | 11      | 11      | 11      | 11       | 15       | 22       | 22       |
| 工作台有效面积 Effective area of workbench                              | mm                       | 390x450      | 390x450 | 500x500 | 500x500 | 550x550  | 600x630  | 600x700  | 600x700  |
| 外形尺寸 Overall dimensions                                          | 左右 About                 | mm           | 1400    | 1400    | 1500    | 1500     | 1660     | 1680     | 1850     |
|                                                                  | 前后 Around                | mm           | 1050    | 1050    | 1100    | 1100     | 1150     | 1160     | 1250     |
|                                                                  | 高 Height                 | mm           | 2710    | 2710    | 2850    | 2850     | 3140     | 3200     | 3270     |
| 整机总重(约) Total weight of the entire machine (approximately)       | t                        | 1.5          | 1.8     | 2.2     | 2.5     | 3.6      | 4        | 4.5      | 5.5      |

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LN28系列四柱快速液压拉伸机  
LN28 series four column fast hydraulic stretching machine



### 产品特点

- 活动横梁二段速度，空载快速下行，慢速靠模压制，快速回程，工作效率高；
- 自动退料装置，简化模具结构；
- 自动计数功能；
- 主要密封件采用进口产品，使用寿命长；
- 关键电器元件采用欧美日知名品牌，工作可靠性高；
- 液压元件选用国际知名品牌，确保使用性能良好；
- 立柱、活塞杆表面均经中频处理、镀硬铬；
- 配备红外线保护装置，操作更安全；
- 集中润滑系统，延长机器使用寿命；
- 多种工作模式：主缸定程、定压可选，下缸压边、退料可选，打料使用、不使用可选，下缸使用、不使用可选。

### Product Features

- The movable crossbeam has two sections of speed, fast descending without load, slow profiling and pressing, fast return, and high work efficiency;
- Automatic material return device, simplifying mold structure;
- Automatic counting function;
- The main sealing components are imported products, with a long service life;
- The key electrical components adopt well-known brands from Europe, America, and Japan, with high working reliability;
- The hydraulic components are selected from internationally renowned brands to ensure good performance;
- The surface of the column and piston rod are treated with medium frequency and plated with hard chromium;
- Equipped with infrared protection device for safer operation;
- Centralized lubrication system to extend the service life of the machine;
- Multiple working modes: main cylinder fixed stroke and constant pressure optional, lower cylinder edge pressing and material returning optional, material using or not using optional, lower cylinder using or not using optional.

### 产品用途

LN28系列四柱快速液压拉伸机是专为铝制品及不锈钢制品行业设计制造的，特别适用于铝质薄板拉伸和铝制品的压制成形及不锈钢薄板拉伸和不锈钢制品的压制成形，也适用于金属材料的整形、切边、翻边、弯曲或复合拉伸等工艺。

本系列机型广泛应用于厨具、餐具、五金、汽车、摩托车等行业。

The LN28 series four column rapid hydraulic stretching machine is designed and manufactured specifically for the aluminum and stainless steel product industries. It is particularly suitable for the extrusion forming of aluminum sheets and aluminum products, as well as the extrusion forming of stainless steel sheets and stainless steel products. It is also suitable for processes such as shaping, trimming, flanging, bending, or composite stretching of metal materials.

This series of models is widely used in industries such as kitchenware, tableware, hardware, automobiles, motorcycles, etc.

### Product Uses

### 技术参数

### Technical Parameter

| 项目<br>Project                                                       | 单位<br>Unit               | 参数 Parameter |          |           |           |           |           |           |
|---------------------------------------------------------------------|--------------------------|--------------|----------|-----------|-----------|-----------|-----------|-----------|
|                                                                     |                          | LN28-200     | LN28-350 | LN28-400  | LN28-600  | LN28-800  | LN28-1000 | LN28-1200 |
| 公称力 Nominal force                                                   | KN                       | 1500         | 2500     | 2500      | 4000      | 5000      | 6000      | 8000      |
| 主缸液体工作压力 Main cylinder liquid working pressure                      | MPa                      | 20           | 20       | 20        | 20        | 26        | 24        | 25        |
| 回程力(16MPa时) Return force (at 16MPa)                                 | KN                       | 70           | 103      | 103       | 143       | 290       | 290       | 290       |
| 压边力 Edge holding force                                              | KN                       | 500          | 1000     | 1500      | 2000      | 3000      | 4000      | 4000      |
| 压边缸液体最大压力 Maximum liquid pressure of edge pressing cylinder         | MPa                      | 20           | 26.5     | 24.5      | 25        | 24        | 25        | 25        |
| 上顶出力(20MPa时) Top output force (at 20MPa)                            | KN                       | 60           | 60       | 60        | 60        | 60        | 60        | 60        |
| 活动横梁行程 Travel of movable crossbeam                                  | mm                       | 560          | 650      | 650       | 700       | 700       | 850       | 900       |
| 压边行程 Edge pressing stroke                                           | mm                       | 280          | 325      | 325       | 350       | 350       | 400       | 450       |
| 上顶出最大行程 Maximum stroke of top ejection                              | mm                       | 220          | 280      | 280       | 320       | 320       | 350       | 400       |
| 活动横梁至工作台面距离<br>Distance from the movable crossbeam to the workbench | 最大 Maximum               | 960          | 1165     | 1165      | 1200      | 1200      | 1300      | 1400      |
|                                                                     | 最小 Minimum               | 400          | 515      | 515       | 500       | 500       | 450       | 500       |
| 活动横梁升降速度<br>Moving beam lifting speed                               | 快速下行 Fast down           | mm/s         | 192      | 220       | 220       | 200       | 120       | 120       |
|                                                                     | 慢速加压 Slow pressurization | mm/s         | 18-23    | 13.6-20   | 13.6-20   | 12.6-18   | 10-17     | 11-15     |
|                                                                     | 快速回程 Fast return         | mm/s         | >250     | 250       | 250       | 280       | ≥190      | ≥190      |
| 工作台面距地面高度 The height of the workbench from the bottom surface       | mm                       | 1090         | 1300     | 1456      | 1550      | 1780      | 1980      | 2130      |
| 电动机功率 Motor power                                                   | KW                       | 20           | 37       | 37        | 55        | 55+1.5    | 75+1.5    | 75+1.5    |
| 工作台有效面积 Effective area of workbench                                 | mm                       | 700x850      | 900x1000 | 1000x1100 | 1100x1300 | 1300x1500 | 1500x1800 | 1800x1500 |
| 外形尺寸<br>Overall dimensions                                          | 左右 About                 | mm           | 1850     | 2180      | 2200      | 2400      | 2300      | 2560      |
|                                                                     | 前后 Around                | mm           | 1660     | 1700      | 1700      | 2000      | 1900      | 1900      |
|                                                                     | 高 Height                 | mm           | 3650     | 4200      | 4400      | 4760      | 5140      | 5330      |
| 整机总重(约)<br>(approximately)                                          | t                        | 6.3          | 11.5     | 13.2      | 19.6      | 33        | 43        | 58        |

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LN32系列四柱万能液压机  
LN32 series four column universal hydraulic press



产品特点

Product Features

- 活动横梁二段速度，空载快速下行，慢速靠模压制，快速回程，工作效率高；
  - 自动计数功能；
  - 主要密封件采用进口产品，使用寿命长；
  - 关键电器元件采用欧美日知名品牌，工作可靠性高；
  - 液压元件选用国际知名品牌，确保使用性能良好；
  - 立柱、活塞杆表面均经中频处理、镀硬铬；
  - 配备红外线保护装置，操作更安全；
  - 集中润滑系统，延长机器使用寿命；
  - 可根据客户需要配置上打料或下退料；
  - 多种工作模式：主缸定程、定压可选，打料使用、不使用可选(选配)。
- The movable crossbeam has two sections of speed, fast descending without load, slow profiling and pressing, fast return, and high work efficiency;
  - Automatic counting function;
  - The main sealing components are imported products, with a long service life;
  - The key electrical components adopt well-known brands from Europe, America, and Japan, with high working reliability;
  - The hydraulic components are selected from internationally renowned brands to ensure good performance;
  - The surface of the column and piston rod are treated with medium frequency and plated with hard chromium;
  - Equipped with infrared protection device for safer operation;
  - Centralized lubrication system to extend the service life of the machine;
  - Can be configured according to customer needs for upper feeding or lower feeding;
  - Multiple working modes: fixed stroke and constant pressure options for the main cylinder, and options for using or not using the material (optional)

产品用途

Product Uses

LN32系列四柱万能液压机适用于各种塑性材料的压力加工成形，如整形、压印、浅拉伸、切边等，材料和半成品的校正，以及各种装配工艺的压装等。可根据客户需要增加保压、退料等功能。

The LN32 series four column universal hydraulic press is suitable for pressure processing and forming of various plastic materials, such as shaping/imprinting, shallow stretching, edge cutting, etc., calibration of materials and semi-finished products, as well as various assembly processes such as pressing. Functions such as pressure maintaining and material returning can be added according to customer needs.

技术参数

Technical Parameter

| 项目<br>Project                          | 单位<br>Unit      | 参数 Parameter |         |         |         |          |          |          |          |
|----------------------------------------|-----------------|--------------|---------|---------|---------|----------|----------|----------|----------|
|                                        |                 | LN32-25      | LN32-40 | LN32-50 | LN32-65 | LN32-100 | LN32-200 | LN32-300 | LN32-500 |
| 公称压力<br>Nominal pressure               | KN              | 250          | 400     | 500     | 650     | 1000     | 2000     | 3000     | 5000     |
| 最大行程<br>Maximum stroke                 | mm              | 350          | 350     | 350     | 450     | 500      | 160      | 160      | 160      |
| 快进速度<br>Fast forward speed             | mm/s            | 380          | 380     | 380     | 340     | 192      | 192      | 238      | 238      |
| 工进速度<br>Working speed                  | mm/s            | 20-48        | 17-33   | 14-30   | 16-30   | 10-19    | 5-12     | 4.5-12   | 3-7.8    |
| 滑块回程速度<br>Slider return speed          | mm/s            | 360          | 330     | 270     | 300     | 200      | 200      | ≥250     | ≥250     |
| 最大封闭高度<br>Maximum enclosed height      | mm              | 600          | 600     | 650     | 700     | 700      | 500      | 500      | 500      |
| 工作台有效面积<br>Effective area of workbench | mm <sup>2</sup> | 380x450      | 380x450 | 450x500 | 540x580 | 540x580  | 540x580  | 590x600  | 680x700  |
| 电动机功率<br>Motor power                   | KW              | 5.5          | 7.5     | 7.5     | 11      | 11       | 11       | 15       | 15       |

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LN33系列四柱上移式液压机  
LN33 series four column upward moving hydraulic press

产品特点

Product Features

- 活动横梁二段速度, 空载快速上行, 慢速靠模压制, 快速回程, 工作效率高;
  - 合模后起压速度快;
  - 自动计数功能;
  - 主要密封件采用进口产品, 使用寿命长;
  - 关键电器元件采用欧美日知名品牌, 工作可靠性高;
  - 液压元件选用国际知名品牌, 确保使用性能良好;
  - 立柱、活塞杆表面均经中频处理、镜硬铬;
  - 配备红外线保护装置, 操作更安全;
  - 集中润滑系统, 延长机器使用寿命;
  - 可根据客户需要配置上打料或下退料;
  - 多种工作模式: 主缸定程、定压可选, 打料使用、不使用可选(选配)。
- The movable crossbeam has a two-stage speed, fast upward movement with no load, slow profiling and pressing, fast return travel, and high work efficiency;
  - Fast pressing speed after mold closing;
  - Automatic counting function;
  - The main sealing components are imported products, with a long service life;
  - The key electrical components adopt well-known brands from Europe, America, and Japan, with high working reliability;
  - The hydraulic components are selected from internationally renowned brands to ensure good performance;
  - The surface of the column and piston rod are treated with medium frequency and mirror hard chrome;
  - Equipped with infrared protection device for safer operation;
  - Centralized lubrication system to extend the service life of the machine;
  - Can be configured according to customer needs for upper feeding or lower feeding;
  - Multiple working modes: fixed stroke and constant pressure options for the main cylinder, and options for using or not using the material (optional).

产品用途

Product Uses

LN33系列四柱上移式液压机适用于五金、电器、表带、表壳、砂轮、塑料橡胶、压花、复模等行业制品成形之用, 同时也适用于其它依靠模具压制成形的精制品, 如硬质合金制品、砂轮制品、刹车片等。可根据客户需要增加保压、退料等功能。

The LN33 series four column and upward moving hydraulic press is suitable for forming products in industries such as hardware, electrical appliances, watch straps, watch cases, grinding wheels, plastic rubber, embossing, and re molding. It is also suitable for other precision products that rely on mold pressing and forming, such as hard alloy products, grinding wheel products, brake pads, etc. Functions such as pressure maintaining and material returning can be added according to customer needs.

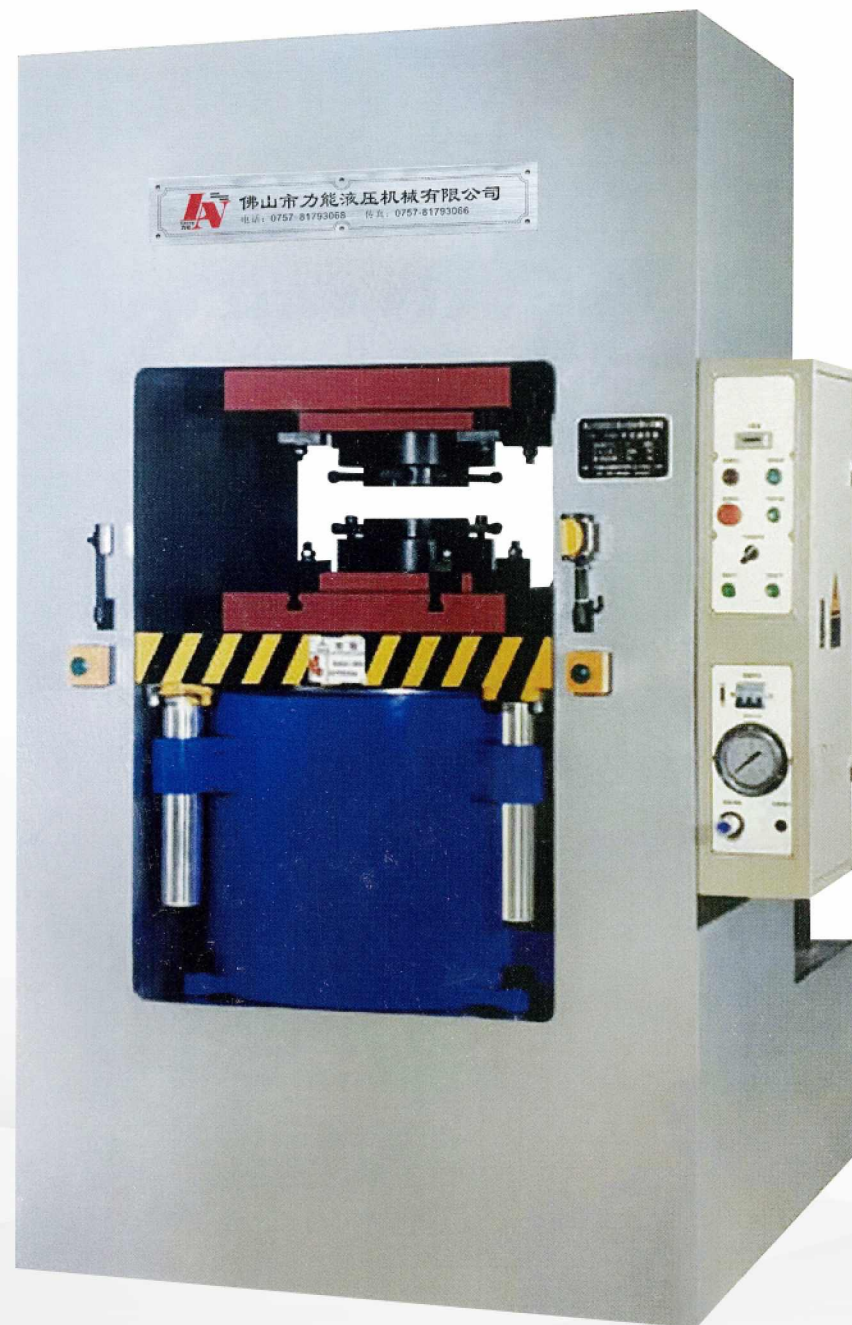
技术参数

Technical Parameter

| 项目<br>Project                                                                                           |              | 单位<br>Unit | 参数 Parameter |          |          |          |           |
|---------------------------------------------------------------------------------------------------------|--------------|------------|--------------|----------|----------|----------|-----------|
|                                                                                                         |              |            | LN33-100     | LN33-200 | LN33-300 | LN33-500 | LN33-1000 |
| 公称压力<br>Nominal pressure                                                                                |              | KN         | 1000         | 2000     | 3000     | 5000     | 10000     |
| 液压系统额定工作压力<br>Rated working pressure of hydraulic system                                                |              | MPa        | 20           | 22       | 24       | 25       | 26        |
| 工作台最大行程<br>Maximum stroke of workbench                                                                  |              | mm         | 160          | 160      | 160      | 160      | 150       |
| 工作台面与上梁下平面最大距离<br>The maximum distance between the workbench and the upper and lower planes of the beam |              | mm         | 420          | 450      | 450      | 450      | 450       |
| 工作台有效面积<br>Effective area of workbench                                                                  |              | mm         | 420x420      | 520x520  | 600x600  | 700x700  | 920x920   |
| 工作台上升速度<br>Workbench lifting speed                                                                      |              | mm/s       | 190          | 190      | 190      | 150      | 100       |
| 电动机功率<br>Motor power                                                                                    |              | KW         | 5.5          | 5.5      | 5.5      | 7.5      | 22        |
| 外形尺寸<br>Overall dimensions                                                                              | 左右<br>About  | mm         | 1450         | 1120     | 1300     | 1420     | 1600      |
|                                                                                                         | 前后<br>Around | mm         | 970          | 1200     | 1330     | 1440     | 1750      |
|                                                                                                         | 高<br>High    | mm         | 1450         | 1465     | 1910     | 2240     | 2800      |
| 整机总重(约)<br>Total weight of the entire machine (approximately)                                           |              | t          | 2            | 3.5      | 4.8      | 8.8      | 17        |

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LN34系列框架上移式液压机  
LN34 series frame up moving hydraulic press

### 产品特点

### Product Features

- 框架整体焊接, 刚性好;
- 活动横梁二段速度, 空载快速上行, 慢速靠模压制, 快速回程, 工作效率高;
- 合模后起压速度快;
- 自动计数功能;
- 主要密封件采用进口产品, 使用寿命长;
- 关键电器元件采用欧美日知名品牌, 工作可靠性高;
- 液压元件选用国际知名品牌, 确保使用性能良好;
- 导柱、活塞杆表面均经中频处理、镀硬铬;
- 配备红外线保护装置, 操作更安全;
- 可根据客户需要配置上打料或下退料;
- 多种工作模式: 主缸定程、定压可选, 打料使用、不使用可选(选配);
- The frame is welded as a whole, with good rigidity;
- The movable crossbeam has a two-stage speed, fast upward movement with no load, slow profiling and pressing, fast return travel, and high work efficiency;
- Fast pressing speed after mold closing;
- Automatic counting function;
- The main sealing components are imported products, with a long service life;
- The key electrical components adopt well-known brands from Europe, America, and Japan, with high working reliability;
- The hydraulic components are selected from internationally renowned brands to ensure good performance;
- The surface of the guide pillar and piston rod are treated with medium frequency and plated with hard chromium;
- Equipped with infrared protection device for safer operation;
- Can be configured according to customer needs for upper feeding or lower feeding;
- Multiple working modes: fixed stroke and constant pressure options for the main cylinder, and options for using or not using the material (optional);

### 产品用途

### Product Uses

LN34系列框架上移式液压机适用于五金、电器、表带、表壳、砂轮、塑料橡胶、压花、复模等行业制品成形之用, 同时也适用于其它依靠模具压制成形的精制品, 如硬质合金制品、砂轮制品、刹车片等; 大吨位机型更适用于不粘锅底部的压花工艺及电磁炉用的铝质锅和不粘锅不锈钢片压入工艺等。可根据客户需要增加保压、退料等功能。

The LN34 series frame. Upward moving hydraulic press is suitable for forming products in industries such as hardware, electrical appliances, watch straps, watch cases, grinding wheels, plastic rubber, embossing, and re molding. It is also suitable for other precision products that rely on mold pressing and forming, such as hard alloy products, grinding wheel products, brake pads, etc; The large tonnage model is more suitable for the embossing process at the bottom of the non stick pot, as well as the aluminum pot and non stick pot stainless iron sheet pressing process for induction cookers. Functions such as pressure maintaining and material returning can be added according to customer needs.

### 技术参数

### Technical Parameter

| 项目<br>Project                           | 单位<br>Unit   | 参数 Parameter |          |          |          |           |           |           |           |           |
|-----------------------------------------|--------------|--------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|
|                                         |              | LN34-100     | LN34-200 | LN34-300 | LN34-500 | LN34-1000 | LN34-1500 | LN34-2000 | LN34-2500 | LN34-3000 |
| 公称压力<br>Nominal pressure                | KN           | 1000         | 2000     | 3000     | 5000     | 10000     | 15000     | 20000     | 25000     | 30000     |
| 最大工作压力<br>Maximum working pressure      | Mpa          | 20           | 20       | 20       | 20       | 20        | 20        | 20        | 20        | 20        |
| 最大行程<br>Maximum stroke                  | mm           | 160          | 160      | 160      | 160      | 160       | 300       | 250       | 250       | 250       |
| 最大封闭高度<br>Maximum enclosed height       | mm           | 420          | 450      | 450      | 450      | 450       | 600       | 600       | 700       | 700       |
| 工作台上升速度<br>Workbench lifting speed      | mm/s         | 120          | 120      | 120      | 120      | 120       | 120       | 120       | 120       | 120       |
| 加压速度<br>Pressing speed                  | mm/s         | 5            | 5        | 5        | 5        | 0-5       | 0-5       | 0-5       | 0-5       | 0-5       |
| 回程速度<br>Return speed                    | mm/s         | 120          | 120      | 130      | 120      | 120       | 150       | 150       | 150       | 150       |
| 工作有效面积<br>Effective working area        | 左右<br>About  | mm           | 420      | 520      | 580      | 700       | 800       | 920       | 1150      | 1250      |
|                                         | 前后<br>Around | mm           | 420      | 520      | 580      | 700       | 800       | 920       | 1150      | 1250      |
| 外形尺寸<br>Overall dimensions              | 左右<br>About  | mm           | 900      | 1100     | 1150     | 1300      | 1500      | 1680      | 2000      | 2700      |
|                                         | 前后<br>Around | mm           | 950      | 1000     | 1100     | 1200      | 1500      | 2000      | 2000      | 2500      |
|                                         | 高<br>High    | mm           | 1200     | 1400     | 1500     | 1750      | 2800      | 3000      | 3200      | 4000      |
| 电动机功率<br>Motor power                    | KW           | 5.5          | 5.5      | 7.5      | 15       | 15        | 37        | 37        | 37        | 45        |
| 整机重量(约)<br>Total weight (approximately) | t            | 2            | 2.8      | 3.5      | 6        | 15        | 20        | 29        | 44        | 58        |

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LN34-S系列框架下压式液压机  
LN34-S series frame down pressure hydraulic press



### 产品特点

### Product Features

- 框架整体焊接, 刚性好;
- 主缸自上而下运动, 便于操作;
- 活动横梁二段速度, 空载快速上行, 慢速靠模压制, 快速回程, 工作效率高;
- 合模后起压速度快;
- 自动计数功能;
- 主要密封件采用进口产品, 使用寿命长;
- 关键电器元件采用欧美日知名品牌, 工作可靠性高;
- 液压元件选用国际知名品牌, 确保使用性能良好;
- 导柱、活塞杆表面均经中频处理、镀硬铬;
- 配备红外线保护装置, 操作更安全;
- 可根据客户需要配置上打料或下退料;
- 多种工作模式: 主缸定程、定压可选, 打料使用、不使用可选(选配);
- The frame is welded as a whole, with good rigidity;
- The main cylinder moves from top to bottom for easy operation;
- The movable crossbeam has a two-stage speed, fast upward movement with no load, slow profiling and pressing, fast return travel, and high work efficiency;
- Fast pressing speed after mold closing;
- Automatic counting function;
- The main sealing components are imported products, with a long service life;
- The key electrical components adopt well-known brands from Europe, America, and Japan, with high working reliability;
- The hydraulic components are selected from internationally renowned brands to ensure good performance;
- The surface of the guide pillar and piston rod are treated with medium frequency and plated with hard chromium;
- Equipped with infrared protection device for safer operation;
- Can be configured according to customer needs for upper feeding or lower feeding;
- Multiple working modes: fixed stroke and constant pressure options for the main cylinder, and options for using or not using the material (optional);

### 产品用途

### Product Uses

LN34-S系列框架下压式液压机适用于五金、电器、表带、表壳、砂轮、塑料橡胶、压花、复模等行业制品成形之用, 同时也适用于其它依靠模具压制成形的精制品, 如硬质合金制品、砂轮制品、刹车片等。可根据客户需要增加保压、退料等功能。

The LN34-S series frame down press hydraulic press is suitable for forming products in industries such as hardware, electrical appliances, watch straps, watch cases, grinding wheels, plastic rubber, embossing, and re molding. It is also suitable for other precision products that rely on mold pressing and forming, such as hard alloy products, grinding wheel products, brake pads, etc. Functions such as pressure maintaining and material returning can be added according to customer needs.

### 技术参数

### Technical Parameter

| 项目<br>Project                                                                   |                      | 单位<br>Unit      | 参数 Parameter |           |            |            |            |             |
|---------------------------------------------------------------------------------|----------------------|-----------------|--------------|-----------|------------|------------|------------|-------------|
|                                                                                 |                      |                 | LN34-S-50    | LN34-S-75 | LN34-S-100 | LN34-S-200 | LN34-S-300 | LN34-S-1000 |
| 主油缸公称压力<br>Main cylinder nominal pressure                                       |                      | KN              | 500          | 750       | 1000       | 2000       | 3000       | 10000       |
| 液压系统额定工作压力<br>Rated working pressure of hydraulic system                        |                      | MPa             | 20           | 20        | 21         | 25         | 24         | 25          |
| 工作台最大行程<br>Maximum stroke of workbench                                          |                      | mm              | 150          | 150       | 150        | 150        | 150        | 150         |
| 活动横梁到工作台面最大距离<br>Maximum distance from the movable crossbeam to the workbench   |                      | mm              | 350          | 350       | 400        | 400        | 400        | 450         |
| 工作台距地面高度<br>Height of workbench from ground                                     |                      | mm              | 700          | 700       | 750        | 750        | 750        | /           |
| 活动横梁速度<br>Moving beam speed                                                     | 下行<br>Down           | mm/s            | 150          | 170       | 135        | 140        | 120        | 100         |
|                                                                                 | 回程<br>Return journey | mm/s            | 170          | 130       | 135        | 120        | 90         | 100         |
| 工作台有效面积(左右x前后)<br>Effective area of workbench (left and right x front and rear) |                      | mm <sup>2</sup> | 540x400      | 480x420   | 480x480    | 520x500    | 620x600    | 860x860     |
| 电动机功率<br>Motor power                                                            |                      | KW              | 4            | 4         | 4          | 5.5        | 7.5        | 22          |

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LN32-S系列精冲机  
LN32-S series precision punching machine



产品特点

Product Features

- 刚性支承装置, 高精度冲裁深度定位, 误差调节0.02mm;
  - 闭环控制系统, 快速精确的定位调节;
  - 先进的液压控制系统, 压力、流量比例控制;
  - 性能稳定、低能耗、低噪音;
  - 设安全保护装置;
  - 点动、半自动和全自动三种操作方式。
- Rigid support device, high-precision punching depth positioning, error adjustment of 0.02mm;
  - Closed loop control system for fast and accurate positioning adjustment;
  - Advanced hydraulic control system, pressure and flow proportional control;
  - Stable performance, low energy consumption, and low noise;
  - Install safety protection devices;
  - There are three operating modes: jog, semi-automatic, and fully automatic.

产品用途

Product Uses

LN32-S系列精密冲裁机是一种先进的精密成型机器, 是本公司研发的一种高新产品, 一次冲裁过程中就可以得到尺寸精度高、剪切面光洁度好, 有一定的立体形状的零件, 它具有优质、高效、低耗、应用广的特点。广泛用于汽车、家电、电子等精密冲裁领域。

The LN32-S series precision punching machine is an advanced precision forming machine and a high-tech product developed by our company. During the punching process, parts with high dimensional accuracy, good shear surface smoothness, and a certain three-dimensional shape can be obtained. It has the characteristics of high quality, efficiency, low consumption, and wide application. Widely used in precision cutting fields such as automobiles, home appliances, and electronics.

技术参数

Technical Parameter

| 项目<br>Project                                | 单位<br>Unit | 参数 Parameter |           |           |           |           |           |
|----------------------------------------------|------------|--------------|-----------|-----------|-----------|-----------|-----------|
|                                              |            | LN32S-100    | LN32S-200 | LN32S-300 | LN32S-350 | LN32S-400 | LN32S-630 |
| 主缸压力 Master cylinder pressure                | KN         | 1000         | 2000      | 3000      | 3500      | 4000      | 5000      |
| 下顶缸压力 Lower top cylinder pressure            | KN         | 200          | 250       | 250       | 250       | 300       | 700       |
| 主缸行程 Master cylinder stroke                  | mm         | 150          | 150       | 150       | 150       | 150       | 300       |
| 下顶缸行程 Lower top cylinder stroke              | mm         | 30           | 30        | 30        | 30        | 30        | 100       |
| 主缸空下行速度 Main cylinder idle down speed        | mm/s       | 300          | 300       | 300       | 300       | 300       | 250       |
| 主工进速度 Main working speed                     | mm/s       | 1-5          | 1-5       | 1-5       | 1-5       | 1-5       | 6-10      |
| 主缸回程速度 Master cylinder return speed          | mm/s       | 300          | 300       | 300       | 300       | 300       | 230       |
| 下顶缸顶出速度 Ejection speed of lower top cylinder | mm/s       | 100          | 100       | 100       | 100       | 100       | 80        |
| 上顶缸公称力 Upper top cylinder nominal force      | KN         | 300          | 300       | 300       | 350       | 350       | 600       |
| 上顶缸行程 Upper top cylinder stroke              | mm         | 30           | 30        | 30        | 30        | 30        | 30        |
| 工作台面面积<br>Table size                         | 左右 About   | mm           | 750       | 800       | 850       | 960       | 700       |
|                                              | 前后 Around  | mm           | 700       | 750       | 800       | 850       | 700       |
| 最大开口高度 Maximum opening height                | mm         | 250          | 300       | 350       | 350       | 350       | 700       |
| 主缸油压 Master cylinder oil pressure            | Mpa        | 21           | 21        | 21        | 21        | 21        | 21        |
| 底缸油压 Bottom cylinder oil pressure            | Mpa        | 21           | 21        | 21        | 21        | 21        | 21        |
| 电机功率 Motor power                             | KW         | 7.5+3        | 11+3      | 15+3      | 18.5+5.5  | 22+5.5    | 30+5.5    |
| 主机重量(约) Host weight (approximately)          | kg         | 8000         | 9000      | 10000     | 11000     | 12000     | 12500     |
| 外形尺寸<br>Overall dimensions                   | 左右 About   | mm           | 2500      | 2600      | 2700      | 3000      | 2800      |
|                                              | 前后 Around  | mm           | 1600      | 1650      | 1700      | 1800      | 2050      |
|                                              | 高度 Height  | mm           | 2700      | 2750      | 2850      | 2900      | 3350      |
| 工作台离地面高度 Worktable height                    | mm         | 860          | 860       | 860       | 860       | 860       | 1090      |

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▶▶▶ LN41系列单柱液压机  
LN41 series single column hydraulic press



产品特点

Product Features

- 机架整体焊接，三面敞开式结构，操作方便；
  - 活动横梁二段速度，空载快速下行，慢速靠模压制，快速回程，工作效率高；
  - 自动计数功能；
  - 主要密封件采用进口产品，使用寿命长；
  - 关键电器元件采用欧美日知名品牌，工作可靠性高；
  - 液压元件选用国际知名品牌，确保使用性能良好；
  - 导柱、活塞杆表面均经中频处理、镀硬铬；
  - 配备红外线保护装置，操作更安全；
  - 可根据客户需要配置上打料或下退料。
- The frame is welded as a whole and has a three sided open structure, making it easy to operate;
  - The movable crossbeam has two sections of speed, fast descending without load, slow profiling and pressing, fast return, and high work efficiency;
  - Automatic counting function;
  - The main sealing components are imported products, with a long service life;
  - The key electrical components adopt well-known brands from Europe, America, and Japan, with high working reliability;
  - The hydraulic components are selected from internationally renowned brands to ensure good performance;
  - The surface of the guide pillar and piston rod are treated with medium frequency and plated with hard chromium;
  - Equipped with infrared protection device for safer operation;
  - It can be configured with upper feeding or lower returning according to customer needs.

产品用途

Product Uses

LN41系列单柱液压机适用于金属或非金属零件的压印、成型、弯曲、浅拉伸、整形及压力装配，眼镜、锁具或五金零件的压制，电子接插件、电器零件、电机转子、电机定子压装等。可根据客户需要增加保压、退料等功能。

The LN41 series single column hydraulic press is suitable for stamping, forming, bending, and shallow pressing of metal or non-metallic parts Stretching, shaping, and pressure assembly, pressing of glasses, locks, or hardware parts, electronic connectors, electrical components Parts, motor rotors, motor stators, etc. Functions such as pressure maintaining and material returning can be added according to customer needs.

技术参数

Technical Parameter

| 项目<br>Project                                                       | 单位<br>Unit           | 参数 Parameter |        |         |         |         |         |          |
|---------------------------------------------------------------------|----------------------|--------------|--------|---------|---------|---------|---------|----------|
|                                                                     |                      | LN41-2       | LN41-5 | LN41-15 | LN41-30 | LN41-50 | LN41-70 | LN41-100 |
| 主油缸公称力 Main cylinder nominal force                                  | KN                   | 20           | 50     | 150     | 300     | 500     | 700     | 1000     |
| 活动横梁行程 Travel of movable crossbeam                                  | mm                   | 150          | 250    | 400     | 400     | 400     | 300     | 400      |
| 活动横梁到工作台面距离<br>Distance from the movable crossbeam to the workbench | 最大<br>Maximum        | mm           | 400    | 390     | 600     | 650     | 650     | 900      |
|                                                                     | 最小<br>Minimum        | mm           | /      | 140     | 200     | 250     | 250     | 600      |
| 活动横梁升降速度<br>Moving beam lifting speed                               | 下行<br>Down           | mm/s         | /      | 270     | 170     | 175     | 200     | 185      |
|                                                                     | 加压<br>Compression    | mm/s         | 68     | 67      | 25      | 16      | 10      | 14       |
|                                                                     | 回程<br>Return journey | mm/s         | 110    | 285     | 140     | 110     | 200     | 145      |
| 喉深 Deep throat                                                      | mm                   | 280          | 185    | 305     | 295     | 355     | 410     | 450      |
| 电动机功率 Motor power                                                   | KW                   | 2.2          | 3      | 4       | 5.5     | 5.5     | 7.5     | 11       |
| 工作台距地面高度 Height of workbench from ground                            | mm                   | 680          | 700    | 700     | 700     | 700     | 700     | 750      |
| 工作台有效面积<br>Effective area of workbench                              | 左右<br>About          | mm           | 400    | 540     | 580     | 650     | 680     | 1300     |
|                                                                     | 前后<br>Around         | mm           | 190    | 320     | 450     | 500     | 500     | 700      |
| 轮廓尺寸<br>Overall dimension                                           | 左右<br>About          | mm           | 400    | 850     | 854     | 875     | 905     | 1300     |
|                                                                     | 前后<br>Around         | mm           | 855    | 1000    | 1190    | 1475    | 1635    | 1840     |
|                                                                     | 高<br>High            | mm           | 1520   | 1780    | 2115    | 2250    | 2310    | 2640     |

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产品特点

Product Features

- 三梁四柱结构，导向好，刚性强；
- 活动横梁二段速度，空载快速下行，慢速靠模压制快速回程，工作效率高；
- 侧缸同步控制，产品精度高；
- 自动计数功能；
- 主要密封件采用进口产品，使用寿命长；
- 关键电器元件采用欧美日知名品牌，工作可靠性高；
- 液压元件选用国际知名品牌，确保使用性能良好；
- 立柱、活塞杆表面均经中频处理、镀硬铬；
- 配备红外线保护装置，操作更安全；
- PLC控制，动作可靠；
- 多种工作模式：主缸定程、定压可选，侧缸单独使用、同时使用、不使用可选。

- Three beams and four columns structure, with good guidance and strong rigidity;
- The movable crossbeam has a two-stage speed, fast downward movement with no load, slow profiling and fast return travel, and high work efficiency;
- Side cylinder synchronous control, high product accuracy;
- Automatic counting function;
- The main sealing components are imported products, with a long service life;
- The key electrical components adopt well-known brands from Europe, America, and Japan, with high working reliability;
- The hydraulic components are selected from internationally renowned brands to ensure good performance;
- The surface of the column and piston rod are treated with medium frequency and plated with hard chromium;
- Equipped with infrared protection device for safer operation;
- PLC control, reliable action;
- Multiple working modes: the main cylinder has fixed stroke and constant pressure options, while the side cylinder can be used separately, simultaneously, or not.

产品用途

Product Uses

LN61系列四柱三通液压机适用于金属零件的冷压制工艺，主要用于将有色金属直通管成形为三通管，特别适用于制冷行业铜管三通接头的成形、扩口、缩口等。

The LN61 series four column three-way hydraulic press is suitable for the cold pressing process of metal parts, mainly used to form non-ferrous metal straight pipes into three-way pipes, especially suitable for the forming, expanding, and shrinking of copper pipe three-way joints in the refrigeration industry.

技术参数

Technical Parameter

| 项目<br>Project                                                                | 单位<br>Unit     | 参数 Parameter |           |           |          |
|------------------------------------------------------------------------------|----------------|--------------|-----------|-----------|----------|
|                                                                              |                | LN61-63      | LN61-100A | LN61-100B | LN61-315 |
| (上置)合模缸公称力 (Upper) nominal force of horizontal cylinder                      | KN             | 630          | 1000      | 1000      | 3150     |
| 主缸液体最大工作压力 Maximum working pressure of main cylinder liquid                  | Mpa            | 25           | 25        | 25        | 25       |
| (两侧)挤压缸公称力 (Both sides) nominal force of extrusion cylinder                  | KN             | 200x3        | 350x2     | 350x2     | 1500x2   |
| 挤压缸液体最大工作压力 Maximum working pressure of extrusion cylinder liquid            | Mpa            | 25           | 25        | 25        | 25       |
| 顶出缸公称力 Ejection cylinder nominal force                                       | KN             | /            | 100(下顶出)  | 80(下顶出)   | 400      |
| 活动横梁行程 Travel of movable crossbeam                                           | mm             | 400          | 400       | 400       | 800      |
| 挤压缸行程 Squeeze cylinder stroke                                                | mm             | 100          | 120       | 120       | 180      |
| 顶出缸行程 Ejection cylinder stroke                                               | mm             | /            | 80(下顶出)   | 80(下顶出)   | /        |
| 活动横梁到工作台最大距离<br>Maximum distance from the movable crossbeam to the workbench | mm             | 700          | 750       | 750       | 1250     |
| 合模缸速度 Closing cylinder speed                                                 | 快下 Quick down  | mm/s         | 210       | 215       | 205      |
|                                                                              | 加压 Compression | mm/s         | 37        | 34        | 11       |
|                                                                              | 快上 Hurry up    | mm/s         | 175       | 165       | 170      |
| 挤压缸速度 Squeeze cylinder speed                                                 | 加压 Compression | mm/s         | 17-38     | 13-33     | 13-33    |
| 工作台有效面积 Effective area of workbench                                          | mm             | 420x420      | 500x500   | 500x500   | 800x800  |
| 电动机功率 Motor power                                                            | KW             | 11(6级)       | 15        | 15        | 37       |
| 水压系统最大压力 Maximum pressure of water pressure system                           | Mpa            | /            | 6.3       | 6.3       | /        |
| 水压系统最大流量 Maximum flow rate of water pressure system                          | L/Min          | /            | 16        | 16        | /        |

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▶▶▶ LN61系列四柱三通液压机  
LN61 series four column three-way hydraulic press







LN98系列四柱水胀形液压机  
LN98 series four column water bulging hydraulic press



产品特点

Product Features

- 活动横梁二段速度，空载快速下行，慢速靠模压制，快速回程，工作效率高；
- 自动计数功能；
- 主要密封件采用进口产品，使用寿命长；
- 关键电器元件采用欧美知名品牌，工作可靠性高；
- 液压元件选用国际知名品牌，确保使用性能良好；
- 立柱、活塞杆表面均经中频处理、镀硬铬；
- 配备红外线保护装置，操作更安全；
- 集中润滑系统，延长机器使用寿命；
- 工作压力高，成形纹理清晰；
- 带移动滑台，方便上、下料，能有效降低机器高度，提高机器稳定性、可靠性；
- 液压系统采用二通插装阀控制，压力损失小，动作稳定可靠。

- The movable crossbeam has two sections of speed, fast descending without load, slow profiling and pressing, fast return, and high work efficiency;
- Automatic counting function;
- The main sealing components are imported products, with a long service life;
- The key electrical components adopt well-known brands from Europe, America, and Japan, with high working reliability;
- The hydraulic components are selected from internationally renowned brands to ensure good performance;
- The surface of the column and piston rod are treated with medium frequency and plated with hard chromium;
- Equipped with infrared protection device for safer operation;
- Centralized lubrication system to extend the service life of the machine;
- High work pressure, clear forming texture;
- Equipped with a mobile sliding table, it is convenient for loading and unloading materials, can effectively reduce the height of the machine, improve the stability and reliability of the machine;
- The hydraulic system adopts a two way plug-in valve control, with small pressure loss and stable and reliable action.

产品功能

Product Function

主要用于杯、壶等复杂曲面零件的水胀成形工艺。特别适用于不锈钢、铜、铝、铁等材质的真空杯，保温瓶，水壶以及其它餐具、器皿的水胀形工艺。

Mainly used for the water expansion forming process of complex curved parts such as cups and kettles. Especially suitable for the water bulging process of vacuum cups, thermos bottles, kettles, and other tableware and utensils made of stainless steel, copper, aluminum, iron, and other materials.

产品用途

Product Uses

杯、壶制造、装饰工艺柱、复杂管件制造等行业。

Industries such as cup and pot manufacturing, decorative process columns, and complex pipe fitting manufacturing.

技术参数

Technical Parameter

| 项目<br>Project                                              | 单位<br>Unit              | 参数 Parameter |          |          |          |
|------------------------------------------------------------|-------------------------|--------------|----------|----------|----------|
|                                                            |                         | LN98-200     | LN98-250 | LN98-300 | LN98-350 |
| 主缸公称压力 Main cylinder nominal pressure                      | KN                      | 1000         | 1250     | 1500     | 2000     |
| 主缸行程 Master cylinder stroke                                | mm                      | 750          | 750      | 750      | 750      |
| 增压缸公称压力 Booster cylinder nominal pressure                  | KN                      | 1000         | 1250     | 1500     | 1500     |
| 增压缸行程 Booster cylinder stroke                              | mm                      | 400          | 400      | 400      | 400      |
| 注射缸最大容量 Maximum capacity of injection cylinder             | L                       | 5            | 6        | 6        | 6        |
| 注射缸最大注射压力 Maximum injection pressure of injection cylinder | MPa                     | 80           | 80       | 80       | 80       |
| 最大封闭高度 Maximum enclosed height                             | mm                      | 1500         | 1500     | 1500     | 1500     |
| 工作台有效面积 Effective area of workbench                        | mm <sup>2</sup>         | 650x650      | 650x650  | 650x650  | 700x700  |
| 活动横梁速度<br>Moving beam speed                                | 快速下行 Fast down          | mm/s         | 600      | 600      | 550      |
|                                                            | 快速合模 Quick mold closing | mm/s         | 60       | 60       | 50       |
|                                                            | 回程 Return journey       | mm/s         | 600      | 600      | 550      |
| 机器外形尺寸<br>Machine dimensions                               | 左右 About                | mm           | 2400     | 2400     | 2500     |
|                                                            | 前后 Around               | mm           | 1800     | 1800     | 1800     |
|                                                            | 高 High                  | mm           | 3600     | 3600     | 3750     |
| 电动机功率 Motor power                                          | KW                      | 22+3         | 30+3     | 30+3     | 37+3     |

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▶▶▶ LN99系列内高压成形液压机  
LN99 series internal high-pressure forming hydraulic press



工艺简介 Process Description

内高压成形是通过向管坯内部加压和轴向加力补料把管坯压入到模具型腔使其成形的一种先进的轻量化成形技术。  
Internal high-pressure forming is an advanced lightweight forming technology that presses the tube blank into the mold cavity by applying pressure and axial force to supplement the material.

产品特点

Product Features

- 活动横梁二段速度, 空载快速下行, 慢速靠模压制, 快速回程, 工作效率高;
  - 自动计数功能;
  - 主要密封件采用进口产品, 使用寿命长;
  - 关键电器元件采用欧美日知名品牌, 工作可靠性高;
  - 液压元件选用国际知名品牌, 确保使用性能良好;
  - 立柱、活塞杆表面均经中频处理、镀硬铬;
  - 配备红外线保护装置, 操作更安全;
  - 集中润滑系统, 延长机器使用寿命;
  - 多种工作模式: 主缸定程、定压可选, 侧缸单独使用、同时使用、不使用可选, 增压缸使用、不使用可选;
  - 工作压力高, 成形纹理清晰;
  - 液压系统采用二通插装阀控制, 压力损失小, 动作稳定可靠。
- The movable crossbeam has two sections of speed, fast descending without load, slow profiling and pressing, fast return, and high work efficiency;
  - Automatic counting function;
  - The main sealing components are imported products, with a long service life;
  - The key electrical components adopt well-known brands from Europe, America, and Japan, with high working reliability;
  - The hydraulic components are selected from internationally renowned brands to ensure good performance;
  - The surface of the column and piston rod are treated with medium frequency and plated with hard chromium;
  - Equipped with infrared protection device for safer operation;
  - Centralized lubrication system to extend the service life of the machine;
  - Multiple working modes: the main cylinder has fixed stroke and constant pressure options, the side cylinder can be used separately, simultaneously, or not, and the booster cylinder can be used or not;
  - High work pressure, clear forming texture;
  - The hydraulic system adopts a two way plug-in valve control, with small pressure loss and stable and reliable action.

工艺特点

Process Characteristics

- 减轻质量、节约材料;
  - 减少零件和模具的数量, 降低模具费用, 内高压件通常只需要一套模具;
  - 可减少后续机械加工和组装焊接量;
  - 提高强度与刚度, 尤其抗疲劳强度;
  - 变合模力设计, 成形零件壁厚均匀, 减薄少。
- Reduce quality and save materials;
  - Reduce the number of parts and molds, reduce mold costs, and usually only one set of molds is required for internal high-pressure components;
  - Can reduce the amount of subsequent mechanical processing and assembly welding;
  - Improve strength and stiffness, especially fatigue resistance;
  - Design with variable clamping force, forming parts with uniform wall thickness and minimal thinning.

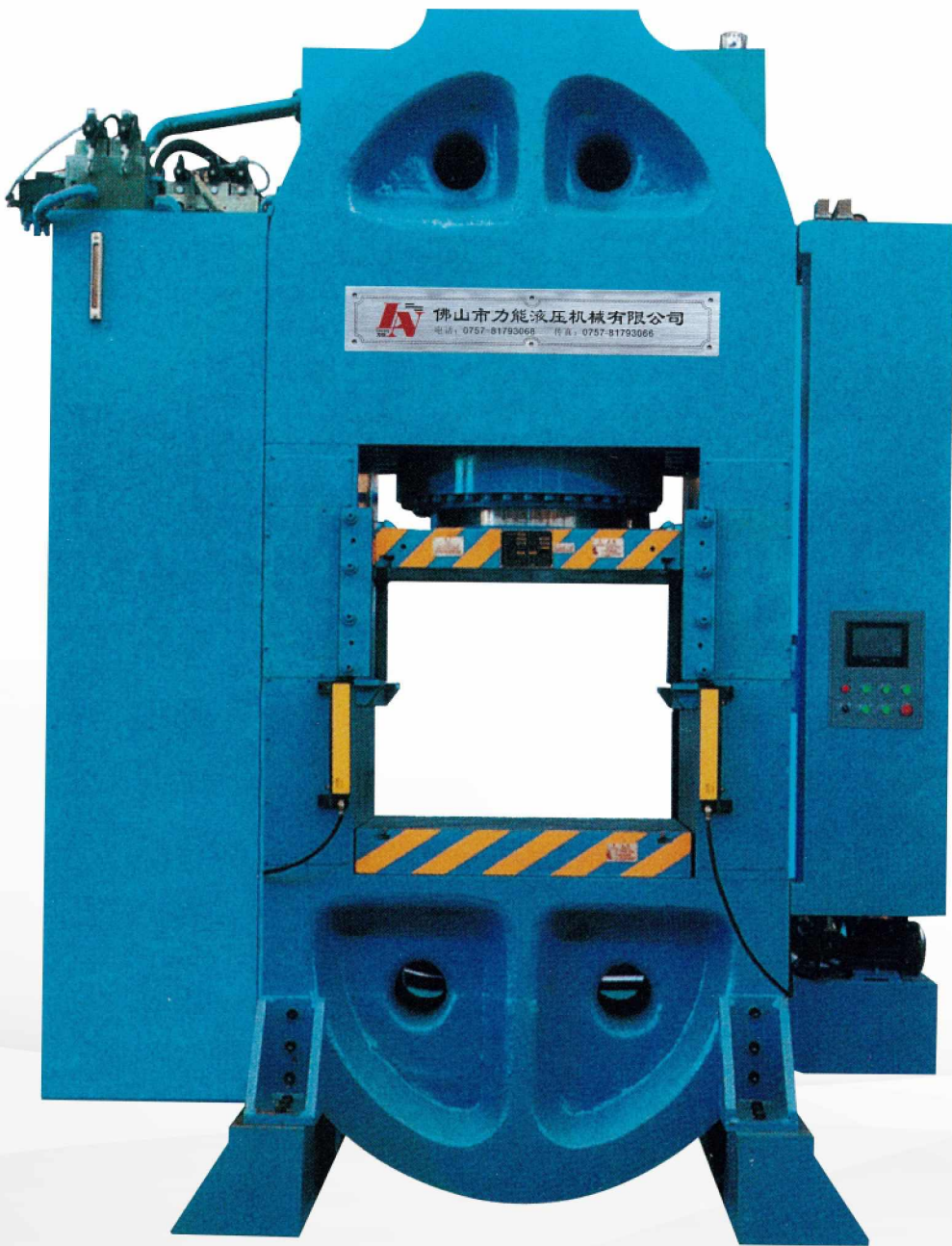
技术参数

Technical Parameter

| 项目<br>Project                                                           | 单位<br>Unit                                   | 参数 Parameter |           |             |             |                |
|-------------------------------------------------------------------------|----------------------------------------------|--------------|-----------|-------------|-------------|----------------|
|                                                                         |                                              | LN99-1200    | LN99-1400 | LN99-1800   | LN99-2100   | LN99-3000      |
| 主缸公称力 Main cylinder nominal force                                       | KN                                           | 6000         | 8000      | 12000       | 15000       | 24000          |
| 主缸液体最大工作压力 Maximum working pressure of main cylinder liquid             | Mpa                                          | 24           | 24        | 24          | 25          | 25             |
| 合模缸最大工作行程 Maximum working stroke of the clamping cylinder               | mm                                           | 500          | 500       | 500         | 600         | 800            |
| 侧推缸公称力 Nominal force of side push cylinder                              | KN                                           | 2000x2       | 2000x2    | 2000x2      | 2000x2      | 2000x2         |
| 侧推缸液体最大工作压力 Maximum working pressure of liquid in side pushing cylinder | Mpa                                          | 24           | 24        | 25          | 25          | 25             |
| 侧推缸最大工作行程 Maximum working stroke of side push cylinder                  | mm                                           | 200          | 200       | 200         | 200         | 200            |
| 工作台最大开口高度 Maximum opening height of workbench                           | mm                                           | 900          | 900       | 1000        | 1200        | 1500           |
| 活动梁升降速度<br>Moving beam lifting speed                                    | 快下<br>Quick down                             | mm/s         | 200       | 200         | 200         | 200            |
|                                                                         | 工进<br>Industrial progress                    | mm/s         | 15        | 12          | 10          | 6              |
|                                                                         | 回程<br>Return journey                         | mm/s         | 200       | 200         | 200         | 150            |
| 增压缸最大输出压力 Maximum output pressure of booster cylinder                   | Mpa                                          | 120          | 120       | 120         | 150         | 250            |
| 增压缸容积 Booster cylinder volume                                           | L                                            | 7            | 7         | 7           | 6           | 5              |
| 增压缸行程 Booster cylinder stroke                                           | mm                                           | 400          | 400       | 400         | 400         | 400            |
| 工作台面有效积<br>Effective volume of worktable                                | 左右(柱内)<br>Left and right (inside the column) | mm           | 1200      | 1200        | 1500        | 2500           |
|                                                                         | 前后(边沿)<br>Front and rear (edge)              | mm           | 1200      | 1200        | 1200        | 1400           |
| 电机功率 Motor power                                                        | KW                                           | 45+22x2+3    | 45+22x2+3 | 30x2+22x2+3 | 37x2+22x2+3 | 45x2+37+22x2+3 |

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LN34-R系列钢丝缠绕式液压机

LN34-R series steel wire winding hydraulic press



### 产品特点

- 机架经预应力钢丝缠绕成整体,使用安全可靠;
- 疲劳强度好,使用寿命长;
- 机架重量轻,有效降低应力集中,显著提高承载能力;
- 自动计数功能;
- 主要密封件采用进口产品,使用寿命长;
- 关键电器元件采用欧美日知名品牌,工作可靠性高;
- 液压元件选用国际知名品牌,确保使用性能良好;
- 导柱、活塞杆表面均经中频处理、镀硬铬;
- 配备红外线保护装置,操作更安全;
- 可根据客户需要配置上打料或下退料。

### Product Features

- The frame is wrapped with pre-stressed steel wire into a whole, ensuring safe and reliable use;
- Good fatigue strength and long service life;
- The frame is lightweight, effectively reducing stress concentration and significantly improving load-bearing capacity;
- Automatic counting function;
- The main sealing components are imported products, with a long service life;
- The key electrical components adopt well-known brands from Europe, America, and Japan, with high working reliability;
- The hydraulic components are selected from internationally renowned brands to ensure good performance;
- The surface of the guide pillar and piston rod are treated with medium frequency and plated with hard chromium;
- Equipped with infrared protection device for safer operation;
- It can be configured with upper feeding or lower returning according to customer needs.

### 产品用途

LN34-R系列钢丝缠绕式液压机适用于高密度波纹浅拉伸及非金属板材成形,如板式换热器板片、制氢电极板、碳化硅板的成形等,也适用于仿压铸铝锅挤压变薄成形、复合锅底成形、五金压花、复模成形等工艺。可根据客户需要增加保压、退料等功能。

The LN34-R series steel wire winding hydraulic press is suitable for high-density corrugated shallow stretching and non-metallic sheet metal forming, such as the forming of plate heat exchanger plates, hydrogen production electrode plates, silicon carbide plates, etc. It is also suitable for extrusion thinning forming of imitation die-casting aluminum pots, composite pot bottom forming, hardware embossing, compound mold forming, and other processes. Functions such as pressure maintaining and material returning can be added according to customer needs.

### Product Uses

### 技术参数

### Technical Parameter

| 项目<br>Project                                                               | 单位<br>Unit     | 参数 Parameter |            |            |            |            |            |
|-----------------------------------------------------------------------------|----------------|--------------|------------|------------|------------|------------|------------|
|                                                                             |                | LN34R-2500   | LN34R-3000 | LN34R-3500 | LN34R-4000 | LN34R-4500 | LN34R-5000 |
| 主油缸公称力 Main cylinder nominal force                                          | KN             | 25000        | 30000      | 35000      | 40000      | 45000      | 50000      |
| 工作台有效面积<br>Effective area of workbench                                      | 左右<br>About    | mm           | 960        | 1050       | 1120       | 1220       | 1260       |
|                                                                             | 前后<br>Around   | mm           | 960        | 1050       | 1120       | 1220       | 1260       |
| 主油缸最大工作压力 Maximum working pressure of the main cylinder                     | Mpa            | 71           | 70         | 70         | 70         | 71         | 70         |
| 液压系统额定工作压力 Rated working pressure of hydraulic system                       | Mpa            | 25           | 25         | 25         | 25         | 25         | 25         |
| 主油缸最大工作行程 Maximum working stroke of the main oil cylinder                   | mm             | 200          | 200        | 200        | 200        | 200        | 200        |
| 最大封闭高度 Maximum enclosed height                                              | mm             | 1000         | 1000       | 1000       | 1000       | 1000       | 1000       |
| 主油缸速度<br>Main cylinder speed                                                | 顶出<br>Ejection | mm/s         | 86         | 94         | 60         | 60         | 75         |
|                                                                             | 压制<br>Suppress | mm/s         | 0.27       | 0.3        | 0.33       | 0.29       | 0.32       |
|                                                                             | 退回<br>Return   | mm/s         | 180        | 170        | 100        | 100        | 125        |
| 电机总功率 Total power                                                           | KW             | 27           | 37         | 45         | 45         | 55         | 55         |
| 主机外形尺寸(不含油箱)<br>Overall dimensions of the main engine (excluding fuel tank) | 左右<br>About    | mm           | 1525       | 1675       | 1850       | 1926       | 1998       |
|                                                                             | 前后<br>Around   | mm           | 1260       | 1350       | 1420       | 1520       | 1560       |
|                                                                             | 高<br>Height    | mm           | 3807       | 3955       | 4280       | 4218       | 4314       |

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LN64系列四柱快速液压冷挤压机  
LN64 series four column fast hydraulic cold extrusion machine



产品特点

Product Features

- 活动横梁二段速度，空载快速下行，慢速靠模压制，快速回程，工作效率高；
  - 自动退料装置，简化模具结构；
  - 自动计数功能；
  - 主要密封件采用进口产品，使用寿命长；
  - 关键电器元件采用欧美日知名品牌，工作可靠性高；
  - 液压元件选用国际知名品牌，确保使用性能良好；
  - 立柱、活塞杆表面均经中频处理、镀硬铬；
  - 配备红外线保护装置，操作更安全；
  - 集中润滑系统，延长机器使用寿命；
  - 多种工作模式：主缸定程、定压可选，下缸压边、退料，可选，打料使用、不使用可选，下缸使用、不使用可选。
- The movable crossbeam has two sections of speed, fast descending without load, slow profiling and pressing, fast return, and high work efficiency;
  - Automatic material return device, simplifying mold structure;
  - Automatic counting function;
  - The main sealing components are imported products, with a long service life;
  - The key electrical components adopt well-known brands from Europe, America, and Japan, with high working reliability;
  - The hydraulic components are selected from internationally renowned brands to ensure good performance;
  - The surface of the column and piston rod are treated with medium frequency and plated with hard chromium;
  - Equipped with infrared protection device for safer operation;
  - Centralized lubrication system to extend the service life of the machine;
  - Multiple working modes: main cylinder fixed stroke and constant pressure optional, lower cylinder edge pressing and material returning optional, optional for material use or not use, and optional for lower cylinder use or not use.

产品用途

Product Uses

LN64系列四柱快速液压拉伸机是专为铝制品及不锈钢制品行业设计制造的，特别适用于铝质薄板拉伸和铝制品的压制成形及不锈钢薄板拉伸和不锈钢制品的压制成形，也适用于金属材料的整形、切边、翻边、弯曲或复合拉伸等工艺。

本系列机型广泛应用于厨具、餐具、五金、汽车、摩托车等行业。

The Ln64 series four column rapid hydraulic stretching machine is designed and manufactured specifically for the aluminum and stainless steel product industries. It is particularly suitable for the extrusion forming of aluminum thin sheets and aluminum products, as well as the extrusion forming of stainless steel thin sheets and stainless steel products. It is also suitable for processes such as shaping, trimming, flanging, bending, or composite stretching of metal materials.

This series of models is widely used in industries such as kitchenware, tableware, hardware, automobiles, motorcycles, etc.

技术参数

Technical Parameter

| 项目<br>Project                                                       | 单位<br>Unit               | 参数 Parameter |          |           |           |           |           |           |
|---------------------------------------------------------------------|--------------------------|--------------|----------|-----------|-----------|-----------|-----------|-----------|
|                                                                     |                          | LN64-200     | LN64-350 | LN64-400  | LN64-600  | LN64-800  | LN64-1000 | LN64-1200 |
| 公称力 Nominal force                                                   | KN                       | 1500         | 2500     | 2500      | 4000      | 5000      | 6000      | 8000      |
| 主缸液体工作压力 Main cylinder liquid working pressure                      | MPa                      | 18.6         | 20       | 20        | 20        | 26        | 24        | 25        |
| 回程力(16MPa时) Return force (at 16MPa)                                 | KN                       | 70           | 103      | 103       | 143       | 290       | 290       | 290       |
| 压边力 Edge holding force                                              | KN                       | 500          | 1000     | 1500      | 2000      | 3000      | 4000      | 4000      |
| 压边缸液体最大压力 Maximum liquid pressure of edge pressing cylinder         | MPa                      | 20           | 26.5     | 24.5      | 25        | 24        | 25        | 25        |
| 上顶出力(20MPa时) Top output force (at 20MPa)                            | KN                       | 60           | 60       | 60        | 60        | 60        | 60        | 60        |
| 活动横梁行程 Travel of movable crossbeam                                  | mm                       | 560          | 650      | 650       | 700       | 700       | 850       | 900       |
| 压边行程 Edge pressing stroke                                           | mm                       | 280          | 325      | 325       | 350       | 350       | 420       | 450       |
| 上顶出最大行程 Maximum stroke of top ejection                              | mm                       | 220          | 280      | 280       | 320       | 320       | 350       | 400       |
| 活动横梁至工作台面距离<br>Distance from the movable crossbeam to the workbench | 最大 Maximum               | 960          | 1165     | 1165      | 1200      | 1200      | 1300      | 1400      |
|                                                                     | 最小 Minimum               | 400          | 515      | 515       | 500       | 500       | 450       | 500       |
| 活动横梁升降速度<br>Moving beam lifting speed                               | 快速下行 Fast down           | mm/s         | 192      | 220       | 220       | 200       | 120       | 120       |
|                                                                     | 慢速加压 Slow pressurization | mm/s         | 18-23    | 13.6-20   | 13.6-20   | 12.6-18   | 10-17     | 11-15     |
|                                                                     | 快速回程 Fast return         | mm/s         | >250     | 250       | 250       | 280       | ≥190      | ≥190      |
| 工作台面底面高度 The height of the workbench from the bottom surface        | mm                       | 1090         | 1300     | 1456      | 1550      | 1780      | 1980      | 2130      |
| 电动机功率 Motor power                                                   | KW                       | 30           | 37       | 37        | 55        | 55+1.5    | 75+1.5    | 75+1.5    |
| 工作台有效面积 Effective area of workbench                                 | mm                       | 700x850      | 900x1000 | 1000x1100 | 1100x1300 | 1300x1500 | 1500x1800 | 1800x1500 |
| 外形尺寸<br>Overall dimensions                                          | 左右 About                 | mm           | 1850     | 2180      | 2200      | 2400      | 2300      | 2560      |
|                                                                     | 前后 Around                | mm           | 1660     | 1700      | 1700      | 2000      | 1900      | 1900      |
|                                                                     | 高 Height                 | mm           | 3650     | 4200      | 4400      | 4760      | 5140      | 5330      |
| 整机总重(约)<br>(approximately)                                          | t                        | 6.3          | 11.5     | 13.2      | 19.6      | 33        | 43        | 58        |

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