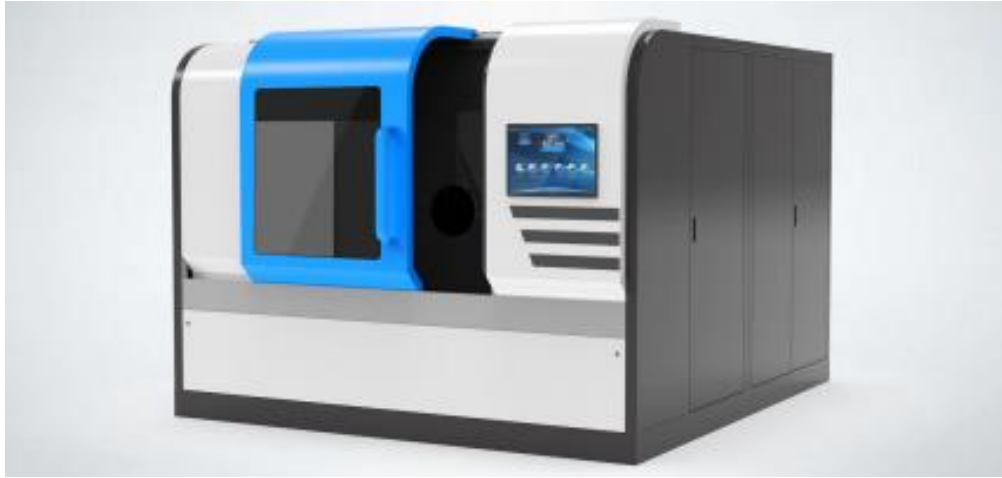


液压泵试验台/ Hydraulic pump test stand



功能介绍/ Function introduction

液压泵试验台广泛应用于液压泵生产厂家、维修厂家、主机厂等,是根据液压泵相关的试验标准设计制造,可测试液压柱塞泵、叶片泵、齿轮泵(单联、双联、多联)等动静态性能,满足开式泵、闭式泵的测试需求。测试范围、测试项目、测试要求均符合相关标准。液压泵试验台是液压泵生产和维修企业重要的检测设备。

Hydraulic pump test bench is widely used in hydraulic pump manufacturers, maintenance manufacturers, main engine factories, etc., is designed and manufactured according to hydraulic pump related test standards, can test hydraulic plunger pump, blade pump. Gear pump (single, double, multiple) dynamic and static performance, meet the test requirements of open pump, closed pump. Test scope, test items and test requirements are in line with relevant standards. Hydraulic pump test bench is an important testing equipment for hydraulic pump production and maintenance enterprises.

技术特点/ Technical characteristics

高效:自动化测试流程、测试元件自动装夹,极大的提高了测试效率

可靠:主要零部件均采用进口或国内一线品牌,精度高,故障率低

节能:采用功率回收的方式,节能效果可达 60%

安全:配备自动安全防护系统,既可以保证操作人员的人身安全又可以提升美观程度

High efficiency: Automatic test process and automatic clamping of test components greatly improve the test efficiency

Reliable: The main parts are imported or domestic first-line brands, high precision, low failure rate

Energy saving: The power recovery method can save energy up to 60%

Safety: Equipped with automatic safety protection system, can not only ensure the personal safety of operators but also improve the aesthetic degree

试验标准/ Test standard

JB/T7041-液压齿轮泵

GB/T-7936-液压泵和马达空载排量测定方法

JB/T7041- Hydraulic gear pump

GB/ T-7936-Determination of no-load displacement of hydraulic pumps and motors

试验项目/ Test item

- 1、空载跑和试验 No load run and test
- 2、排量试验 Displacement test
- 3、容积效率试验 Volumetric efficiency test
- 4、总效率试验 Overall efficiency test
- 5、超载性能试验 Overload performance test
- 6、变量结构变量特性测试 Variable structure variable characteristic test
- 7、油泵压力切断值 Cut-off value of oil pump pressure
- 8、油泵压力流量特性 Oil pump pressure flow characteristics
- 9、油泵变量特性 Variable characteristics of oil pump
- 10、油泵最大输入扭矩 Maximum input torque of oil pump

性能参数/ Performance parameter

总功率/ Total power	15-400kW	可定制
转速范围/ Speed range	0-3000r/min 无级调速	—
加载压力/ Loading pressure	0-500bar 无级加载	可定制
流量范围/ Flow range	0-1500L/min	可定制
温控形式/ Temperature control form	水冷、风冷、油冷机	可选配
环境油温 / Ambient oil temperature	-10~40° C	—
旋转方向/ Direction of rotation	可双向旋转	自定义
试验形式/ Test form	手动测试、自动测试	选配
测试精度/ Test accuracy	A 级精度	—
防护门形式/ Protective door form	电动、手动	选配

组成单元/ Constituent unit

液压动力单元、油液回收单元、外供油源单元、油温控制单元、负载模拟单元、泄漏测试单元、液压油箱单元、控制和数据采集单元、试验台外形套件、各类试验工装
Hydraulic power unit, oil recovery unit, external oil supply source unit, oil temperature control unit, load simulation unit, leakage test unit, hydraulic tank unit, control and data acquisition unit, test bench contour kit, all kinds of test tools