

国家专精特新“小巨人”企业

National specialized and innovative "little giant" enterprise

K1系列电机测试台
K1 Series Motor Test Bench

Lanmec®
兰菱科技 Test

助力全球电机高端测试
Assist Global Motor High-end Test

江苏兰菱科技股份有限公司
Jiangsu Lanmec Technology Co., Ltd.

关于兰菱

About Lanmec

江苏兰菱科技股份有限公司创建于2002年，公司职工近200人，研发人员50多名，厂房30000平方米，研发大楼1栋。

公司是国家专精特新“小巨人”企业，国家高新技术企业，酒泉卫星发射中心关键设备供应商，江苏省研究生工作站。公司通过ISO9001、ISO14001、ISO45001体系认证，欧盟CE。

公司拥有江苏省扭矩测控技术研发中心、扭矩传感器事业部、测功设备事业部、张力事业部，从研发到铸造、精密加工、精密组装、仪表软件开发、设备调试服务形成全闭环，质量、交期、技术保障均得到最大保证。

强大的研发能力、大规模全产业链的制造能力、无忧及时的售后服务，均为公司赢得了大量的客户，遍及中国、美国、德国、意大利、日本、印度、泰国、马来西亚等国家，产品在世界知名大专院校、研究所、军工企业、工业企业中大量使用，享有较高的声誉。

公司总部位于中国江苏省海安市，高铁直达上海只需1小时，北京4小时。在深圳、上海、北京设有分公司，极大地方便了客户进行当面技术沟通和售后服务，热烈欢迎各位新老客户莅临指导，为兰菱科技实现更大、更远目标建言献策！

Lanmec Technology was founded in 2002 and has nearly 200 employees and more than 50 R&D personnel, with a workshop of 30000 square meters and a research and development building.

Lanmec Technology is a national specialized and innovative "little giant" enterprise, a national high-tech enterprise, a key equipment supplier for the Jiuquan Satellite Launch Center, and a postgraduate workstation in Jiangsu Province. Lanmec Technology has passed ISO9001, ISO14001, ISO45001 system certification, EU CE.

Lanmec Technology has Jiangsu Province Torque Measurement and Control Technology R&D Center, Torque Sensor Division, Dynamometer Division, and Tension Division. From R&D to casting, precision machining, precision assembly, instrument software development, and equipment debugging services, it forms a fully closed loop with quality and delivery services. Both the period and the technical guarantee are guaranteed.

Strong research and development capabilities, large-scale manufacturing capabilities across the entire industry chain, and worry-free and timely after-sales service have won a large number of customers, covering China, United States, Germany, Italy, Japan, India, Thailand, Malaysia and other countries. It is widely used in world-renowned universities, colleges, research institutes, military enterprises and industrial enterprises, and enjoys a high reputation.

Lanmec Technology headquartered is in Hai'an City, Jiangsu Province, China. It only takes 1 hour to reach Shanghai by high-speed train and 4 hours to Beijing. There are branches in Shenzhen, Shanghai, and Beijing, which greatly facilitates customer's face-to-face technical communication and after-sales service. Warmly welcome all new and old customers to visit and guide, and provide advice and suggestions for Lanmec Technology to achieve greater and farther goals!



公司俯瞰
Company overlook



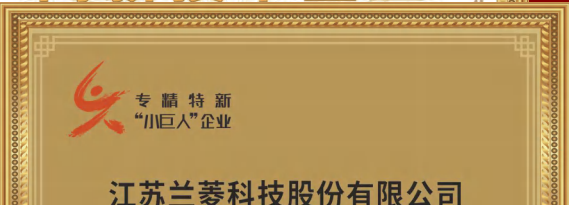
研发总部
R&D headquarters



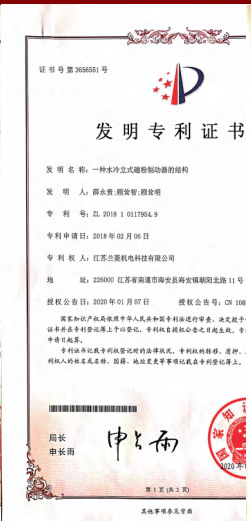
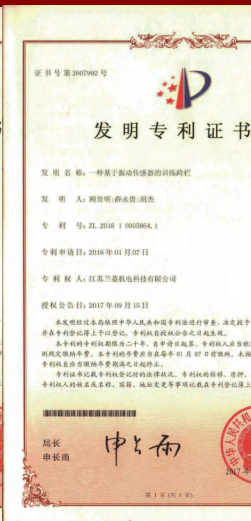
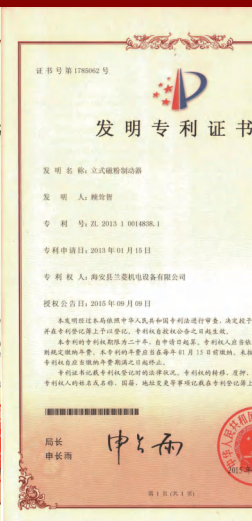
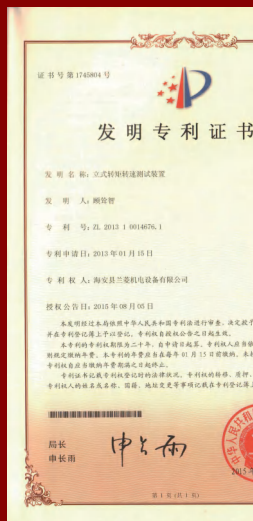
生产现场一角
A corner of the production site



公司文化
Company Culture



江苏兰菱科技股份有限公司



知名客户

测功机行业领导者，全球客户超10,000家
Leader in dynamometer, over 10,000 clients worldwide



中航工业 中国兵器工业集团有限公司

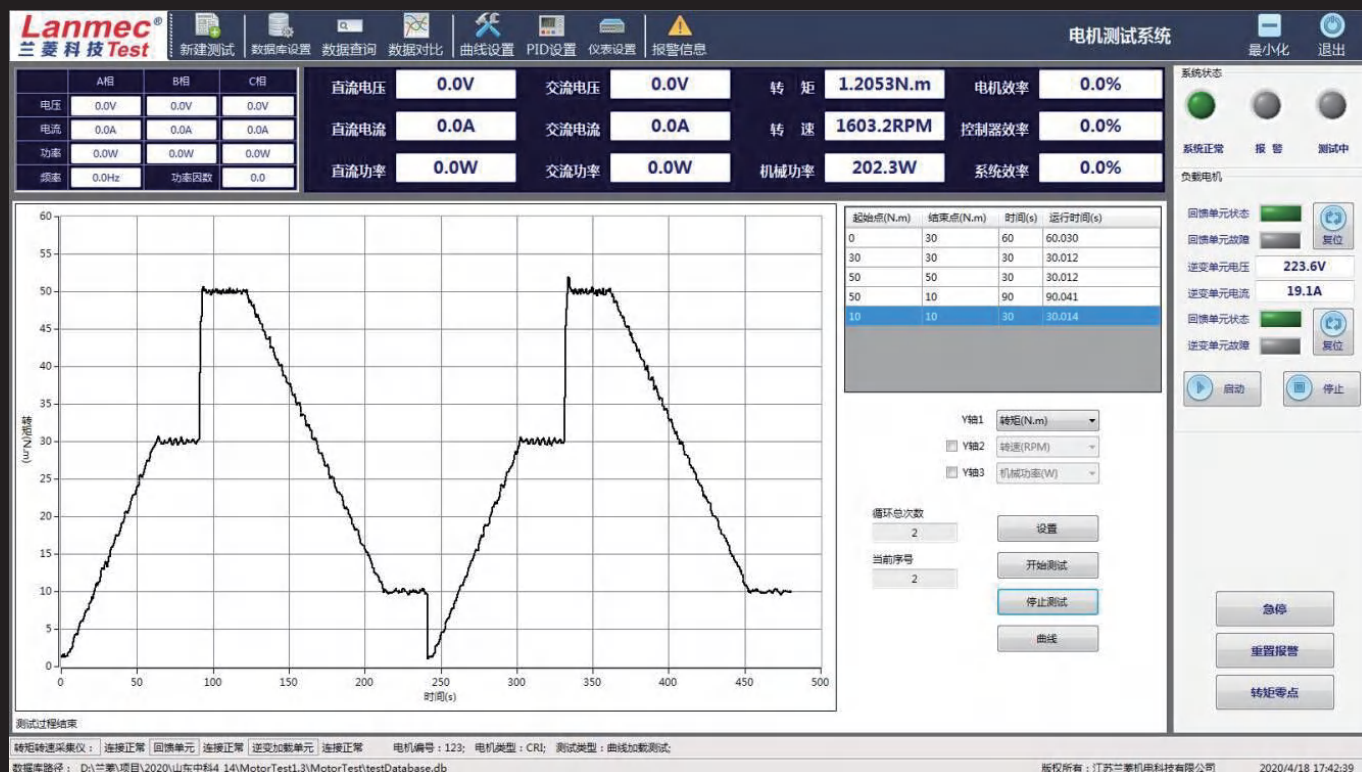


中船重工 中联重科





测试界面 Test interface



设备名称: K1系列电机测试台

电机类型: 直流电机、单相交流电机、三相（变频/工频）交流电机、永磁同步电机、磁阻电机等

测量参数: 电机驱动器输入的电流、电压、功率因数、电功率（可选项）；电机输入的电流、电压、功率因数、电功率；电机输出的转矩、转速、轴功率；反电动势、温升；电机驱动器效率、电机效率、（电机驱动器+电机）总效率

测量范围: 转矩0.001~2000kN/m；转速0.001~50000rpm；功率0.001~12500KW

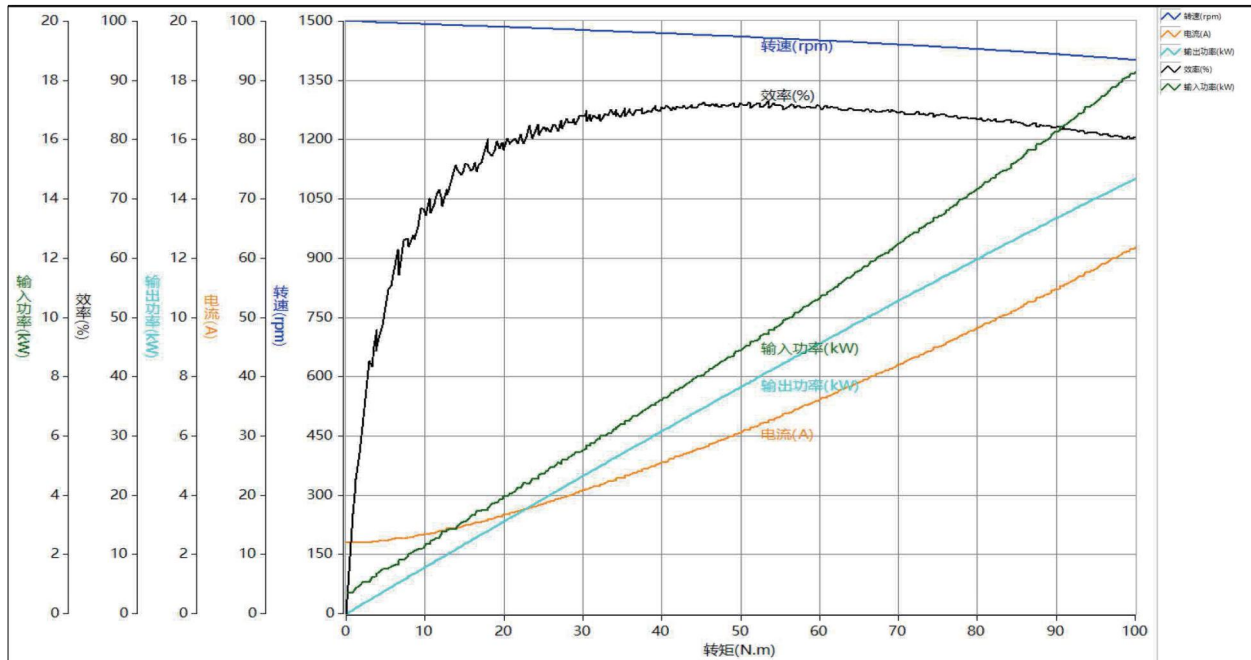
测试精度: $\pm 0.05\%$ F.S $\pm 0.1\%$ F.S $\pm 0.2\%$ F.S $\pm 0.5\%$ F.S（可选）

加载方式: 对拖回馈型、对拖消耗型、磁滞加载、电涡流加载、磁粉加载、水力加载

电机安装: 机座安装、法兰安装、外圆安装；固定工作台、一维/二维/三维工作台

软件功能: 可显示被测参数及相互之间的曲线关系，并可形成报表，予以保存和打印。手动、程控加载，超上限故障停机，并显示故障代码。

测试报告 Test report



名称	电压(V)	电流(A)	输入功率(kW)	转矩(N.m)	转速(rpm)	输出功率(kW)	效率(%)	功率因数	频率(Hz)
起始点	193.15	11.94	0.7029	0	1499.1	0	0	0.176	50
额定点	190.84	43.84	13.043	73.09	1437.3	11	84.33	0.9	50
最大转矩	190.16	63.34	18.7181	102.06	1398.1	14.9414	79.82	0.897	50
最大输出功率	190.16	63.34	18.7181	102.06	1398.1	14.9414	79.82	0.897	50
最大效率	191.26	32.22	9.4291	53.478	1457.1	8.1595	86.54	0.883	50
结束点	190.16	63.34	18.7181	102.06	1398.1	14.9414	79.82	0.897	50



磁粉制动器
Magnetic powder brake

扭矩范围:
0.5~50kN.m
转速范围:
0~1500RPM

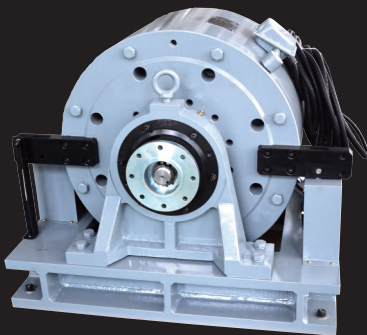
Torque range:
0.5~50kN.m
Range of rotation:
0~1500RPM



磁滞制动器
Hysteresis brake

扭矩范围:
0.01~100N.m
转速范围:
0~20000RPM

Torque range:
0.01~100N.m
Range of rotation:
0~20000RPM



电涡流测功机
Eddy current dynamometer

扭矩范围:
1~14000N.m
转速范围:
0~16000RPM
功率范围:
0.1~1500kW
测量精度:
±0.2%F.S

Torque range:
1~14000N.m
Range of rotation:
0~16000RPM
Power range:
0.1~1500kW
Measurement accuracy:
±0.2%F.S



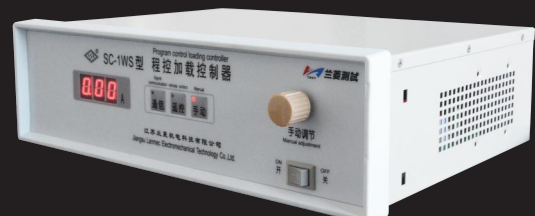
磁滞测功机
Hysteresis Dynamometer

扭矩范围:
0.01~100N.m
转速范围:
0~20000RPM
测量精度:
±0.2%F.S

Torque range:
0.01~100N.m
Range of rotation:
0~20000RPM
Measurement accuracy:
±0.2%F.S



CFY-10型 转矩转速功率采集仪
CFY-10 torque speed power acquisition instrument



SC-1WS型 程控加载控制器
SC-1WS programmable loading controller



多通道功率分析仪
Multichannel power analyzer



电参数采集仪
Electrical parameter acquisition instrument



电气柜
Electrical cabinet



P-1200 琴式检测柜
P-1200 Piano test cabinet

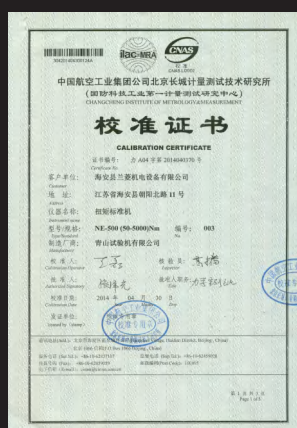


S-1800 立式检测柜
S-1800 Vertical test cabinet

Torque measuring range 0.01~2000kN.m
Speed measurement range 0.01~100kRPM
Measurement accuracy $\pm 0.1\%F.S$ $\pm 0.2\%F.S$
Can output voltage, current, frequency signal,
RS485 communication
Power supply DC24V, $\pm DC15V$



扭矩测量范围0.01~2000kN.m
转速测量范围0.01~100kRPM
测量精度 $\pm 0.1\%F.S$ $\pm 0.2\%F.S$
可输出电压、电流、频率信号，RS485通讯
供电DC24V、 $\pm DC15V$





ZJ-AM型 微量程转矩转速传感器
ZJ-AM Micro-range torque speed sensor



ZJ-AF型 法兰式转矩转速传感器
ZJ-AF Flange type torque speed sensor



ZJ-A型 标准转矩转速传感器
ZJ-A Standard torque speed sensor



ZJ-A型 大量程转矩转速传感器
ZJ-A Large range torque speed sensor



ZJ-ZF型 法兰式静态扭矩传感器
ZJ-ZF Flange type static torque sensor



ZJ-Z型 轴式静态扭矩传感器
ZJ-Z Shaft type static torque sensor



TR-3S 转矩转速功率采集仪
TR-3S torque speed power acquisition instrument



转矩转速功率测试软件
Torque speed power test software



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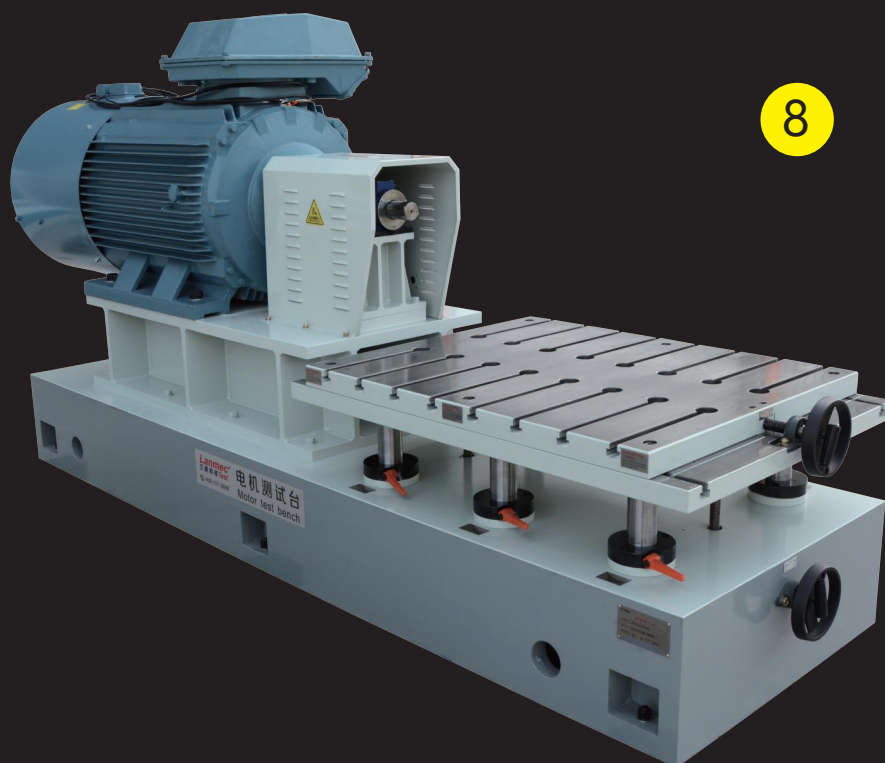
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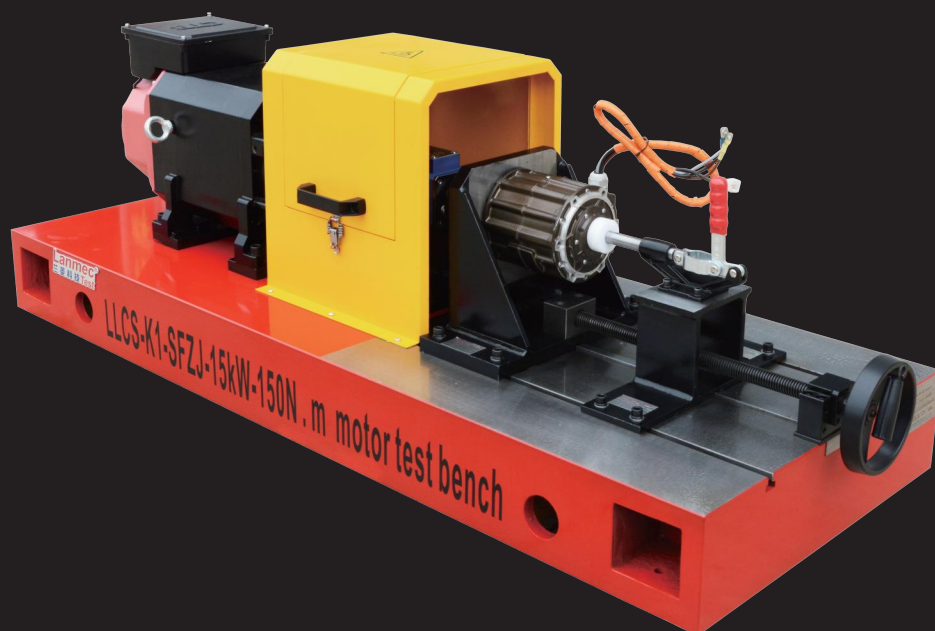
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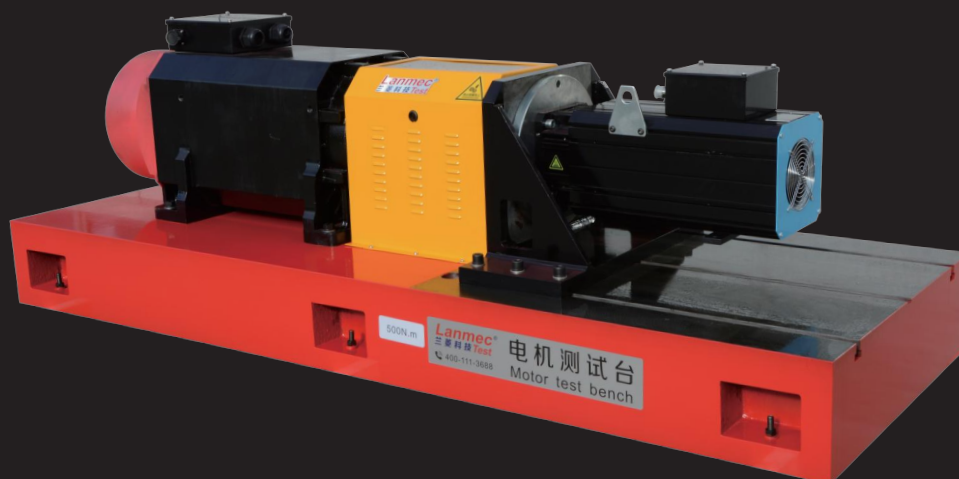




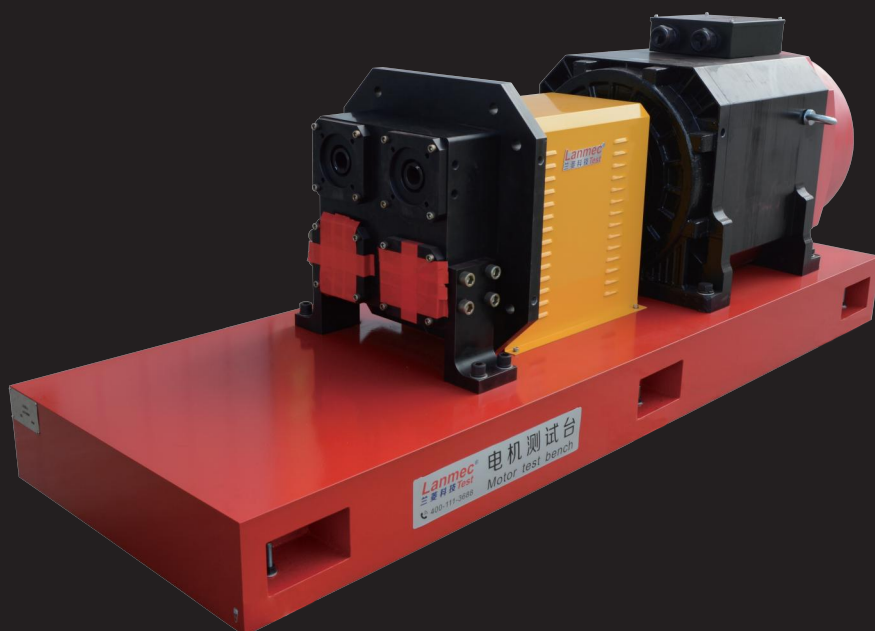
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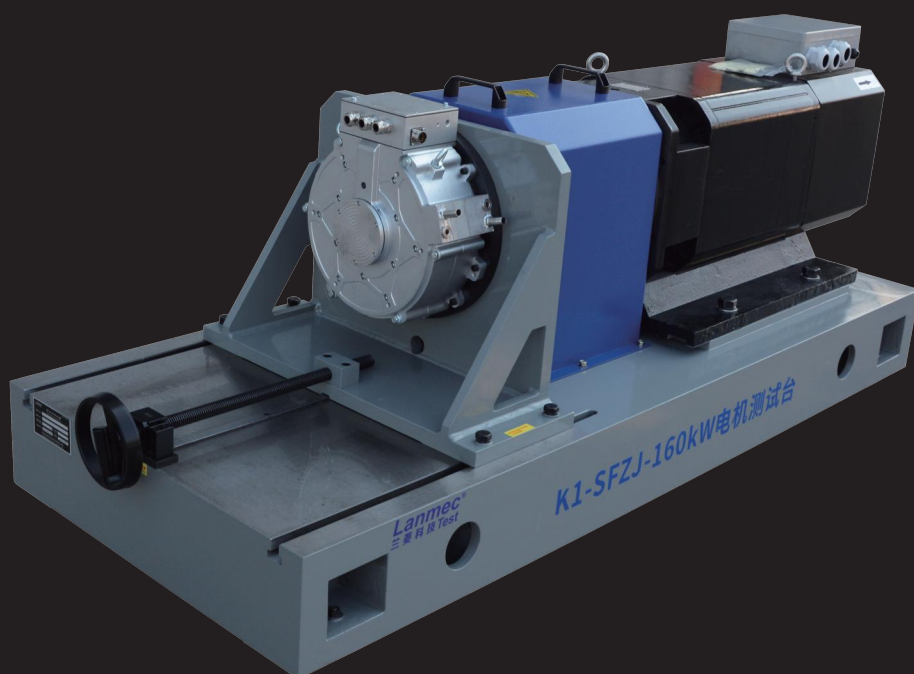
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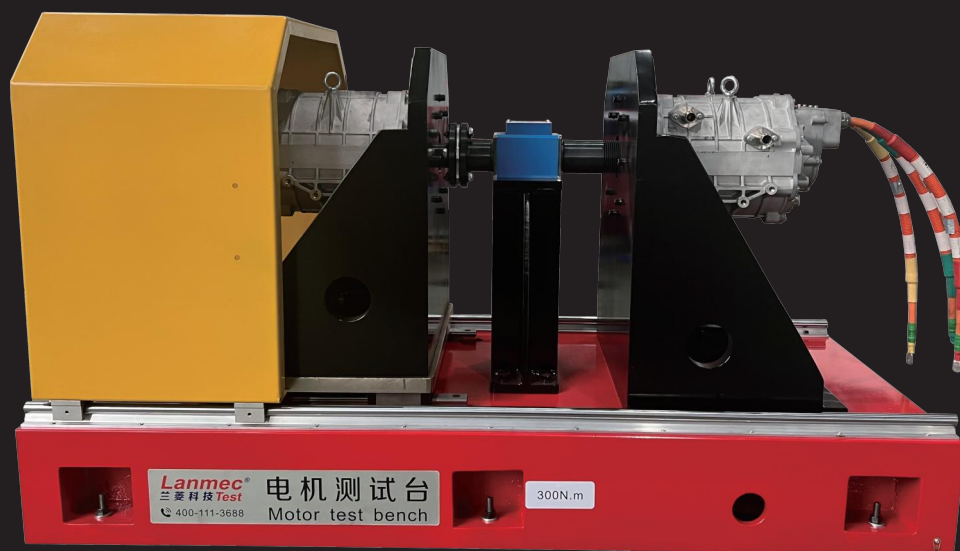
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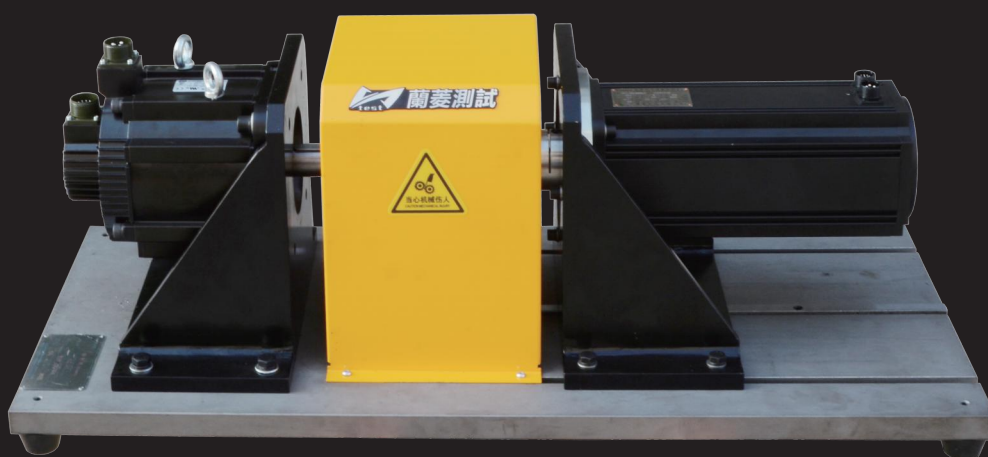
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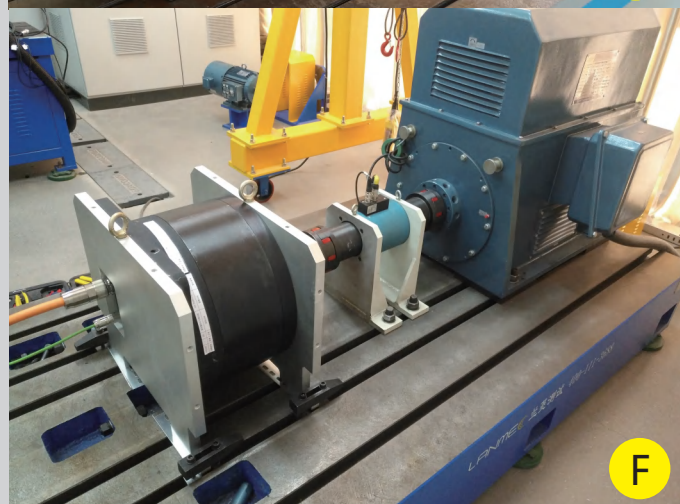
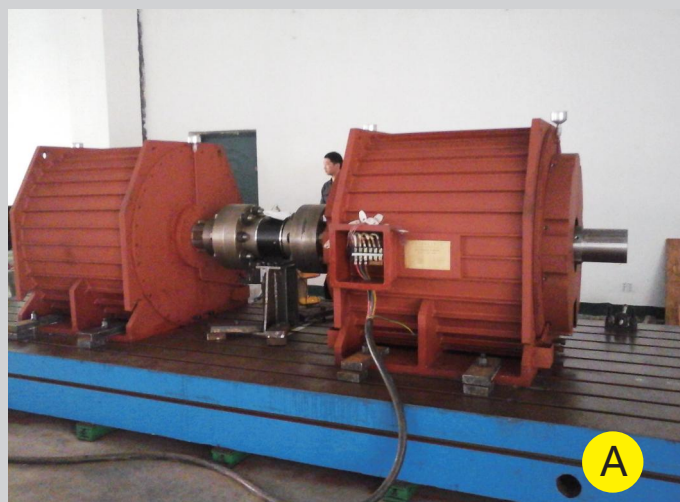


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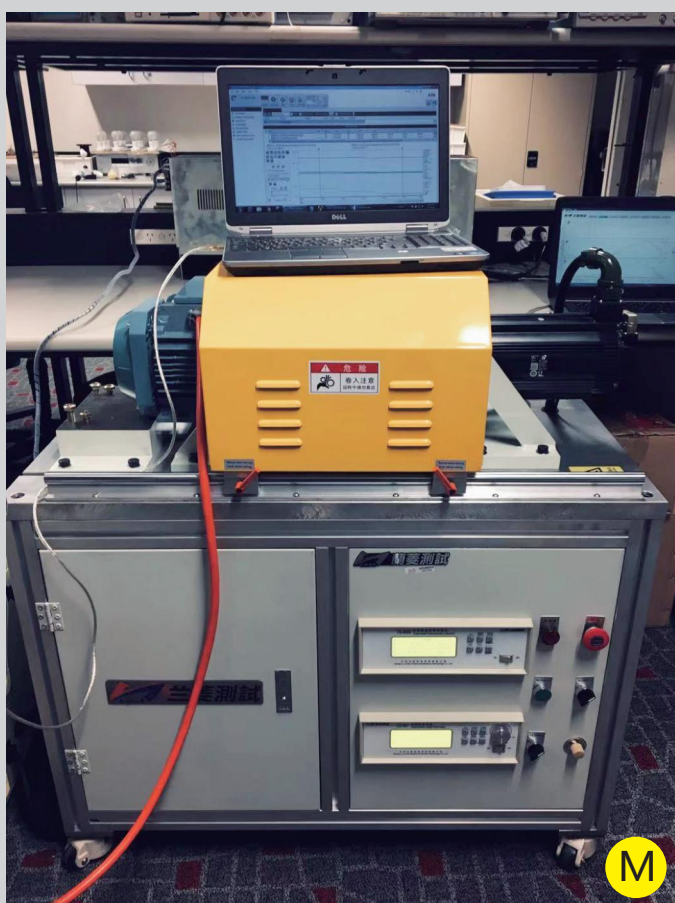
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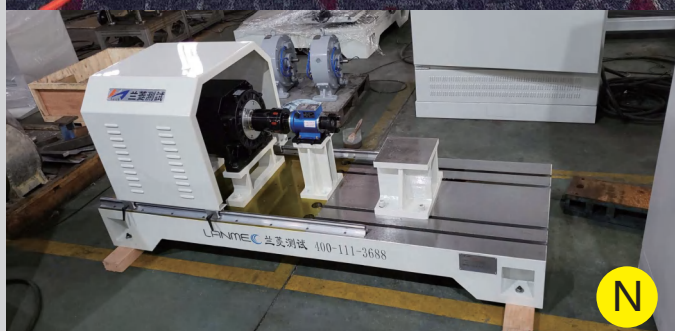
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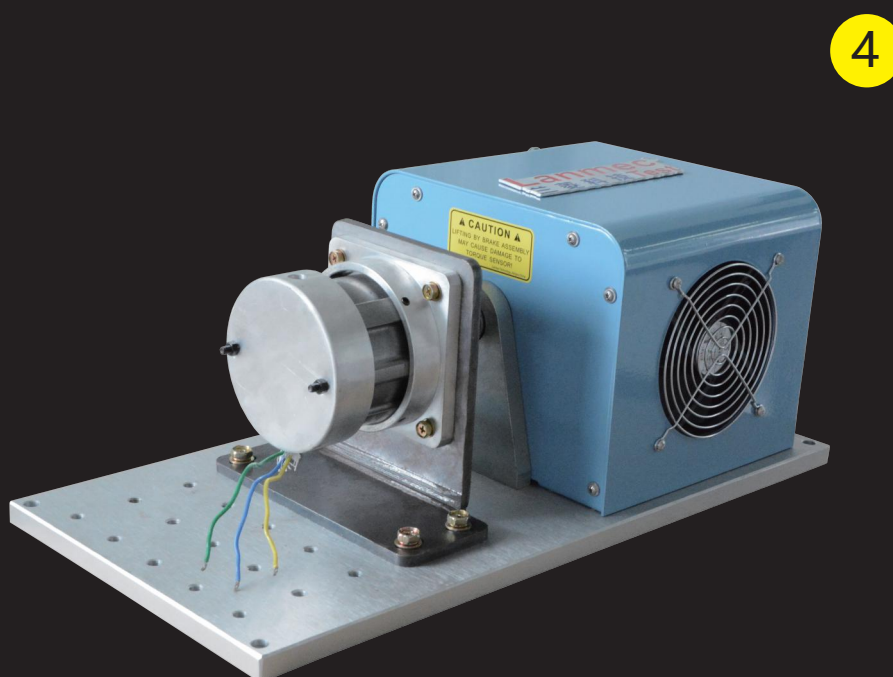
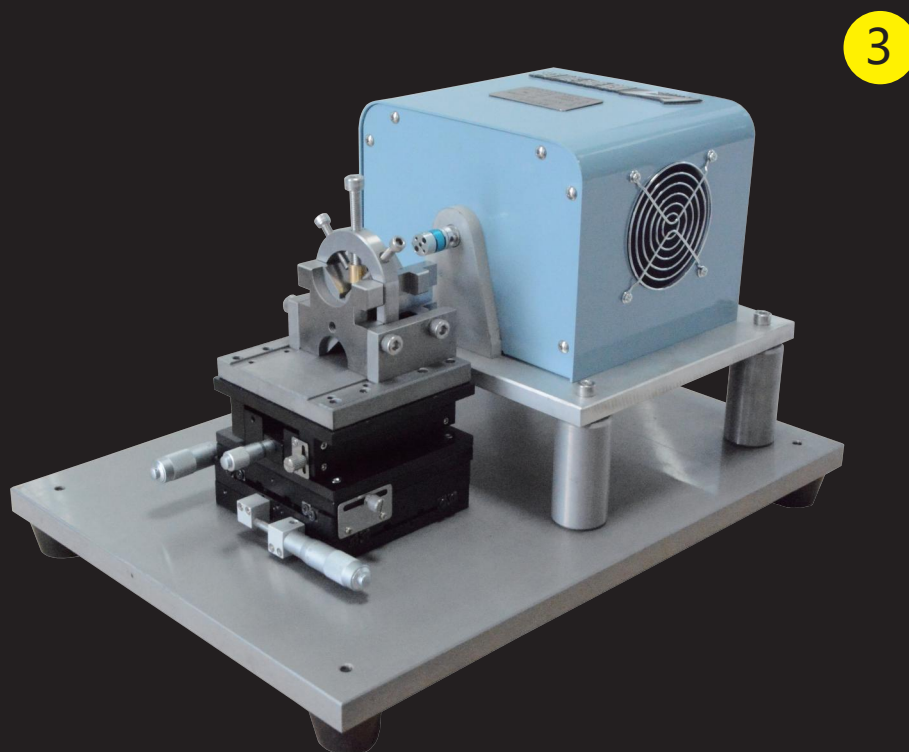


O

知名客户

航天三院、504所、704所、712所、716所、西门子、ABB、多摩川、佳木斯电机厂等



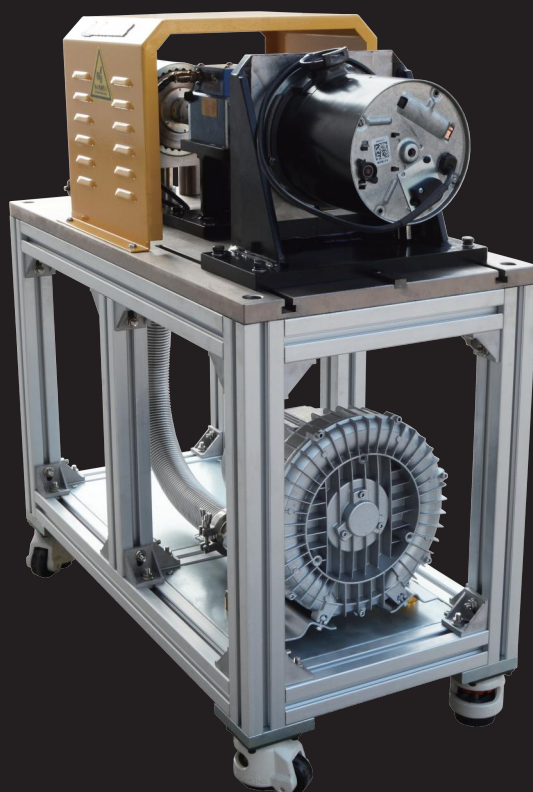


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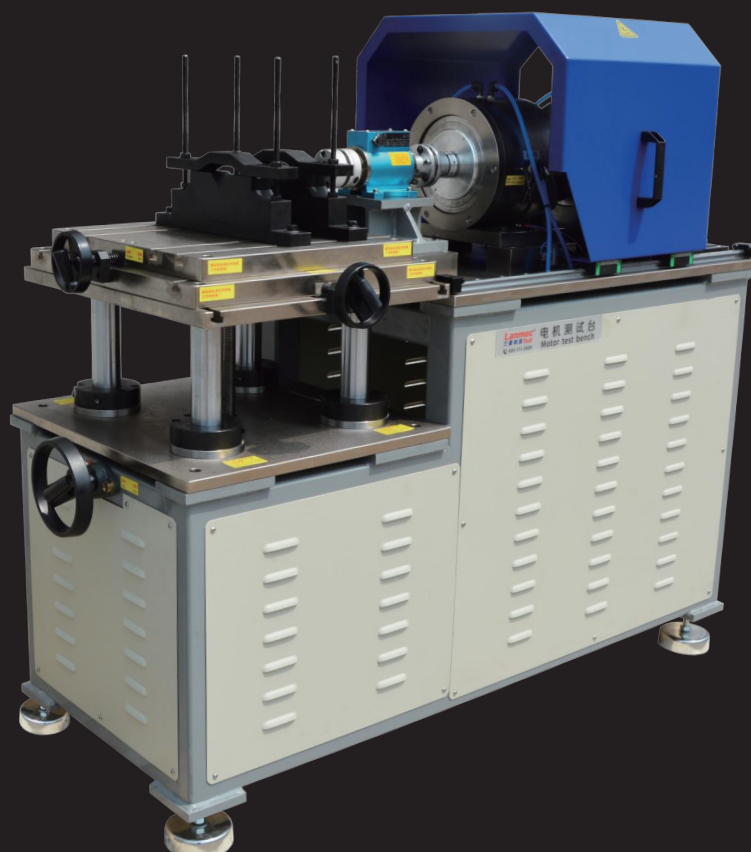




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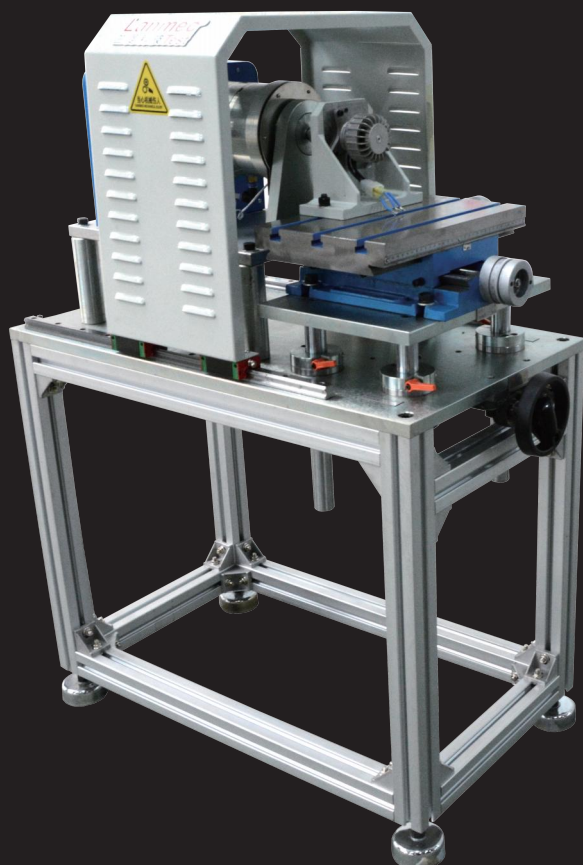
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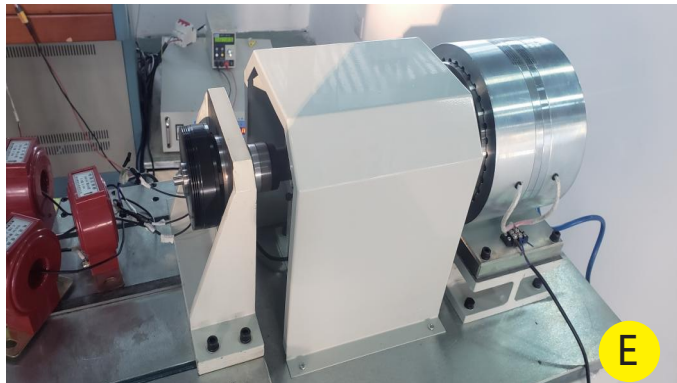








A



E



B



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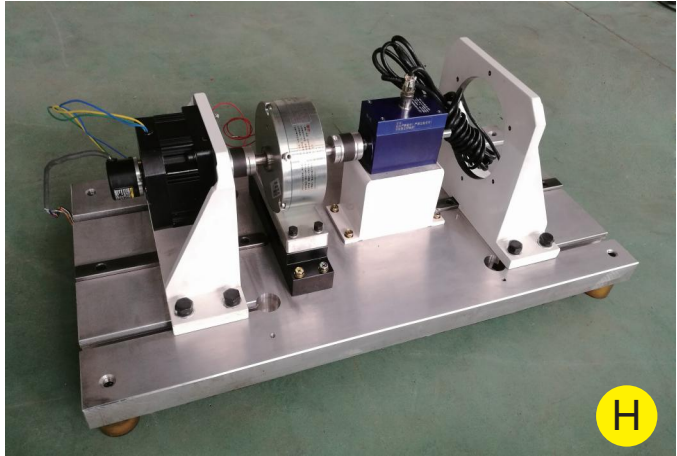
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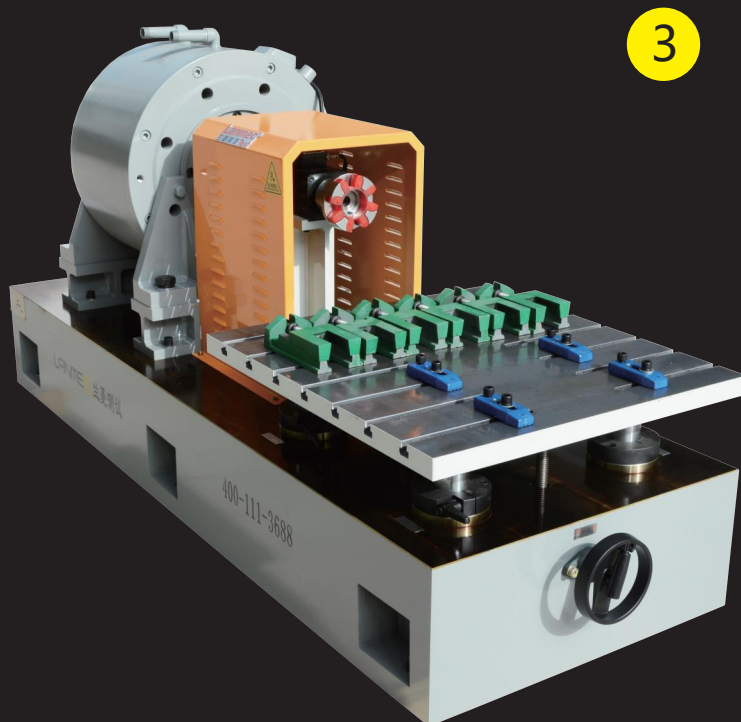


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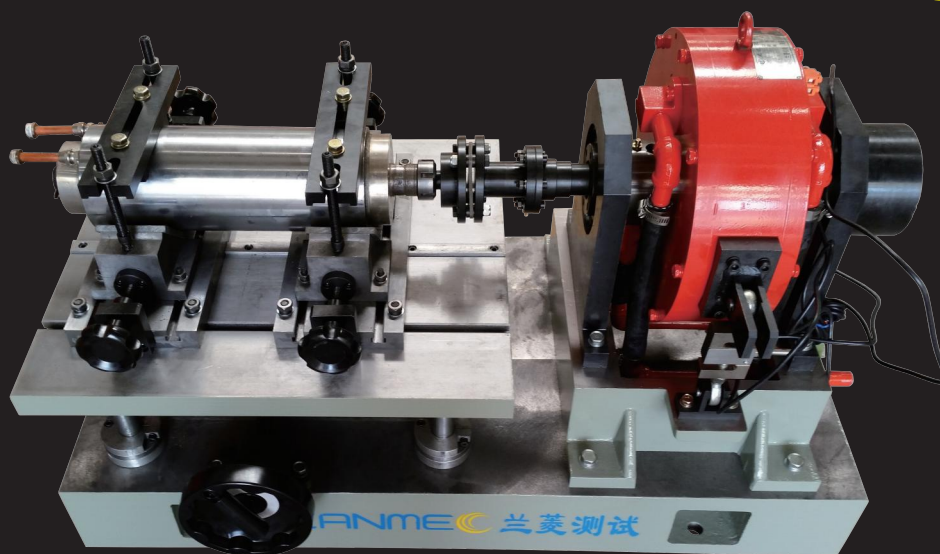


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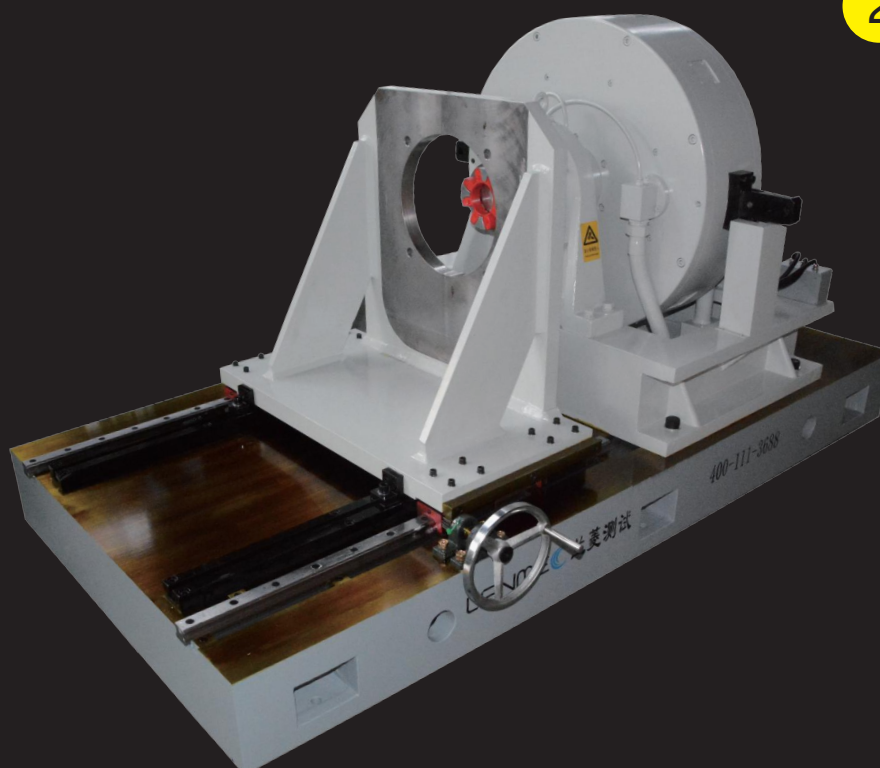




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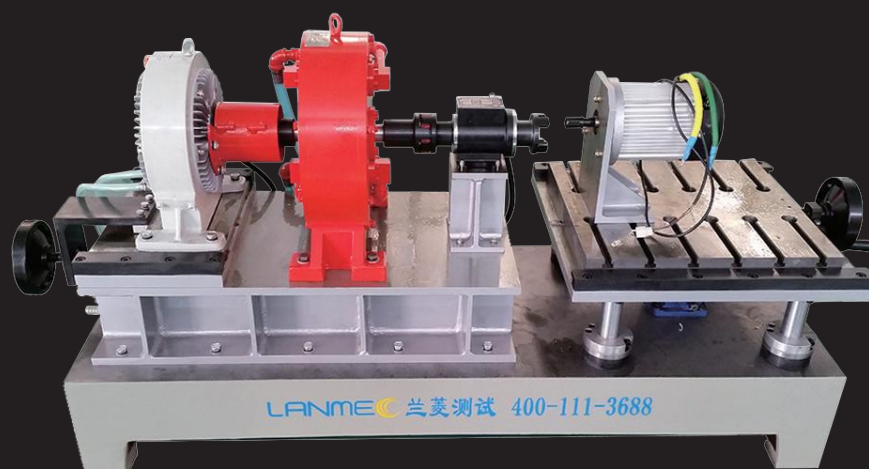
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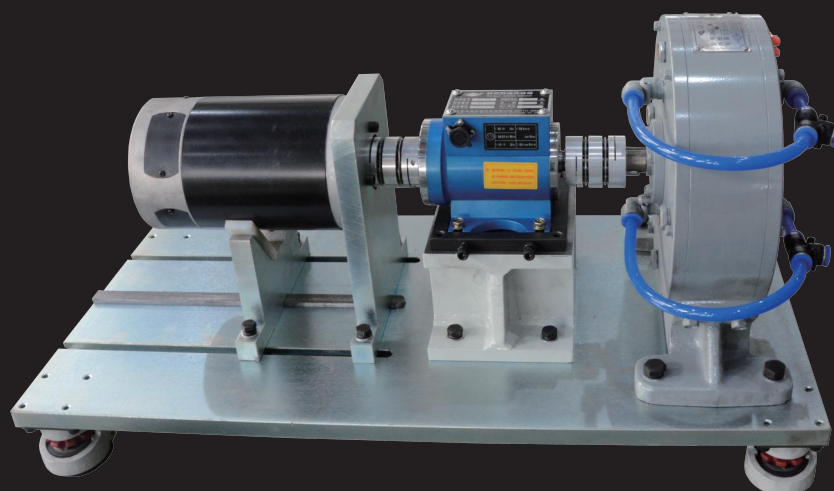
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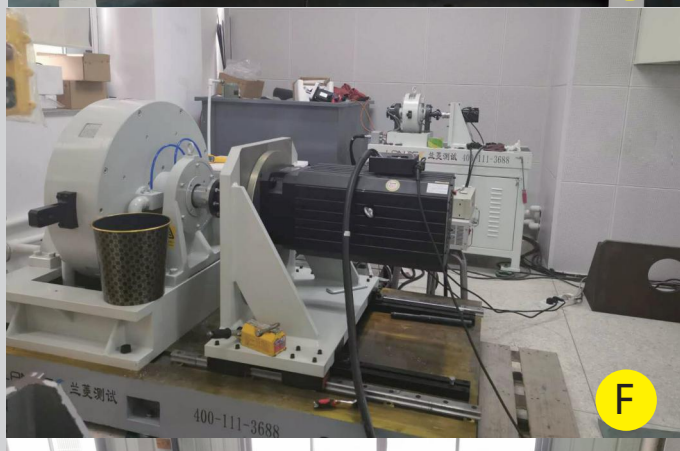
A



E



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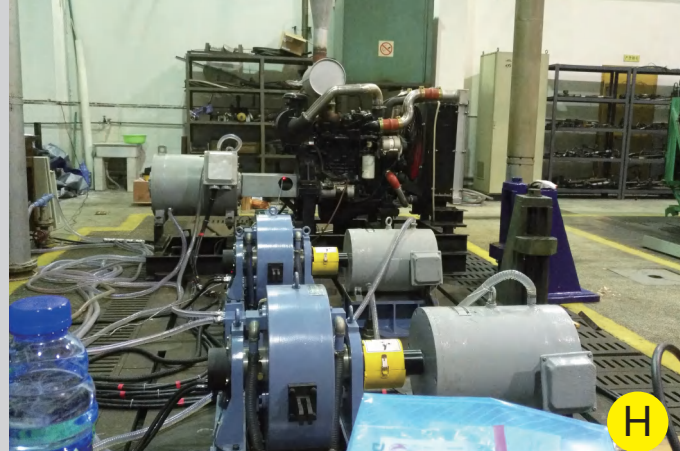
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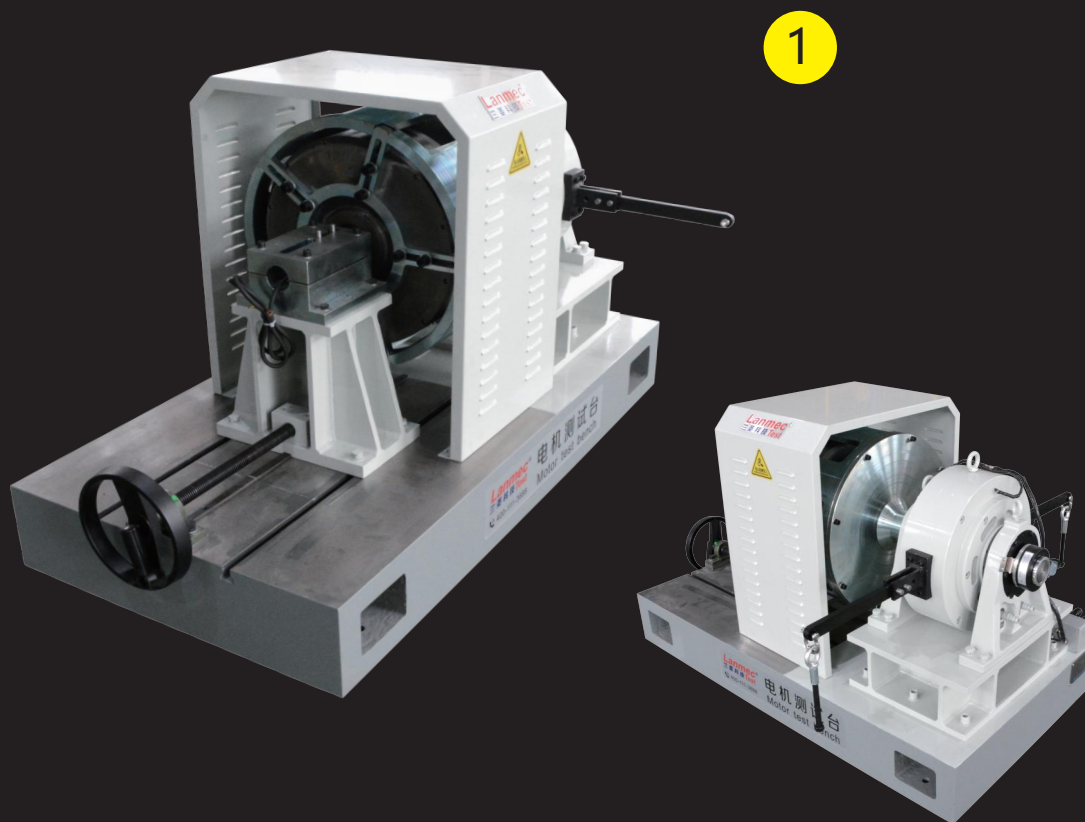
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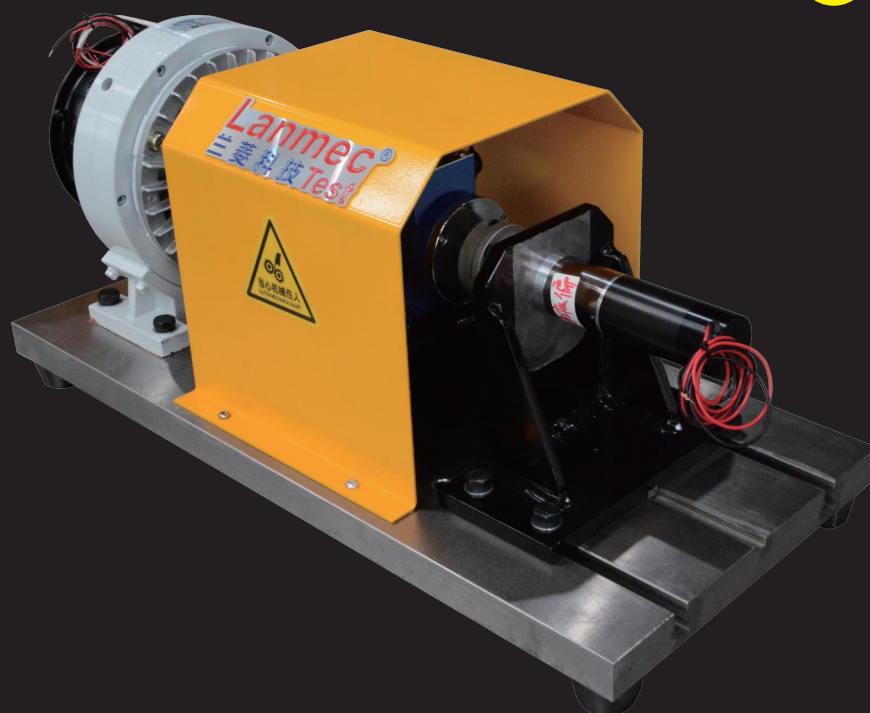
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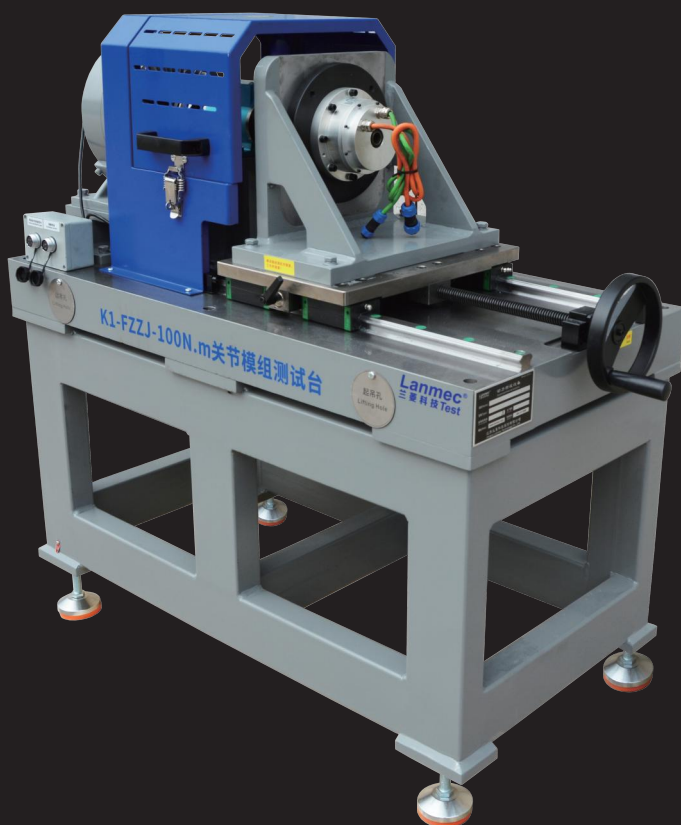


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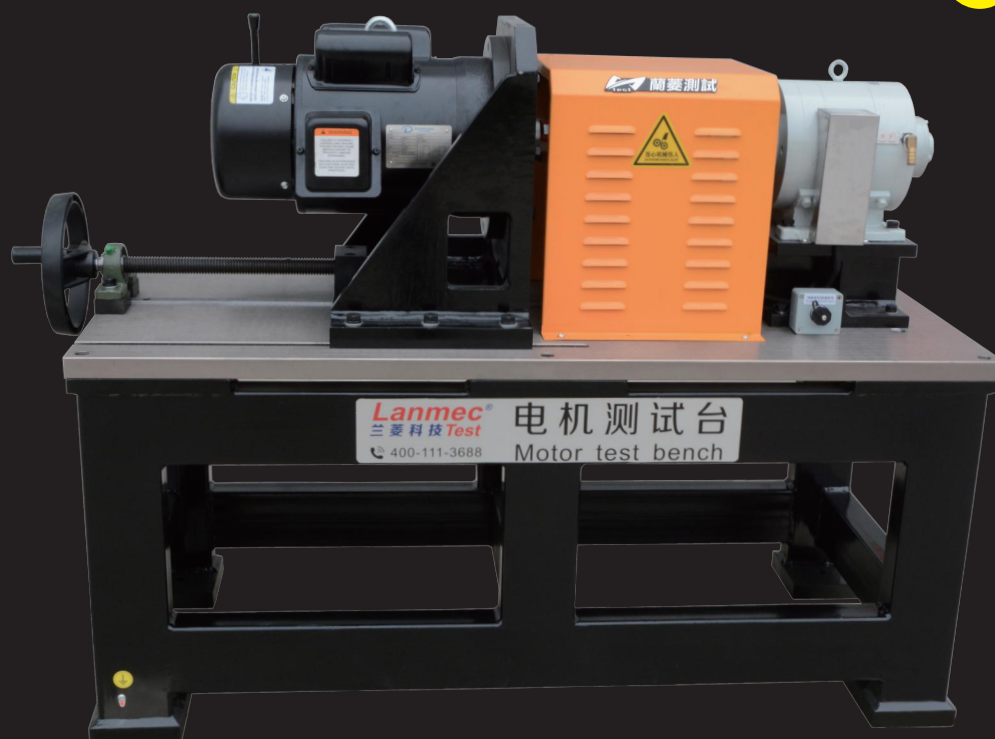
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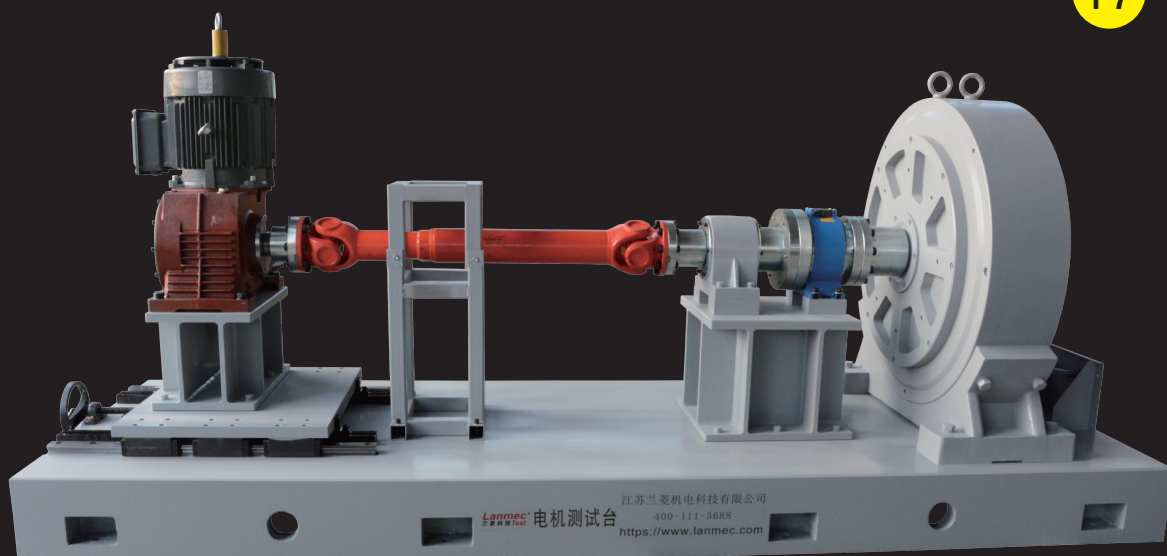


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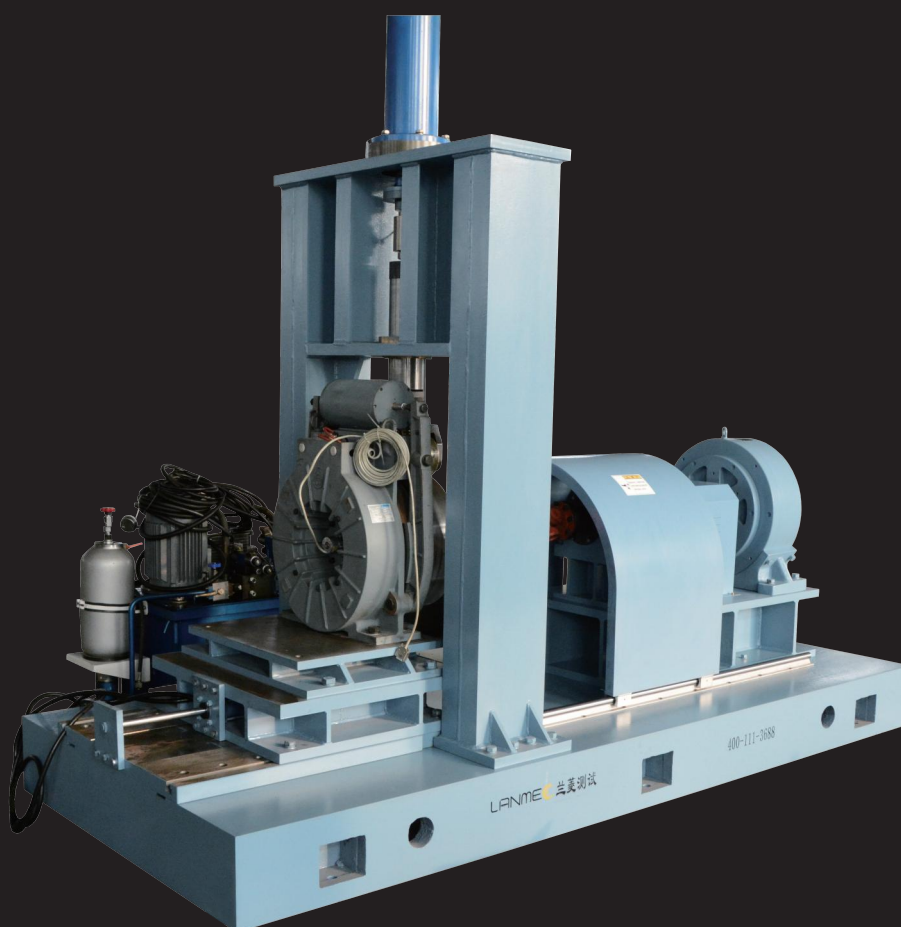




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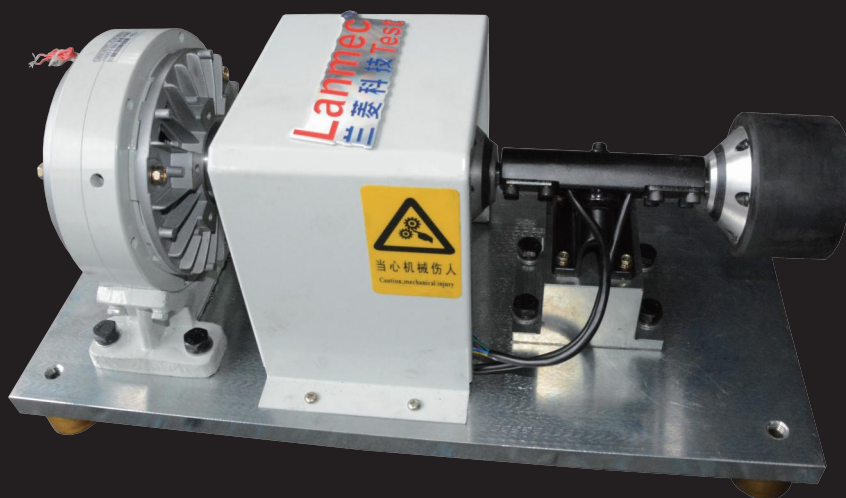
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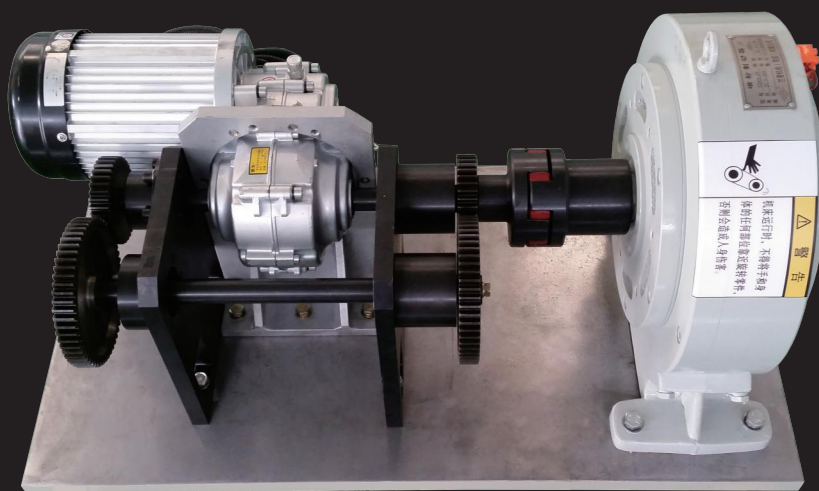
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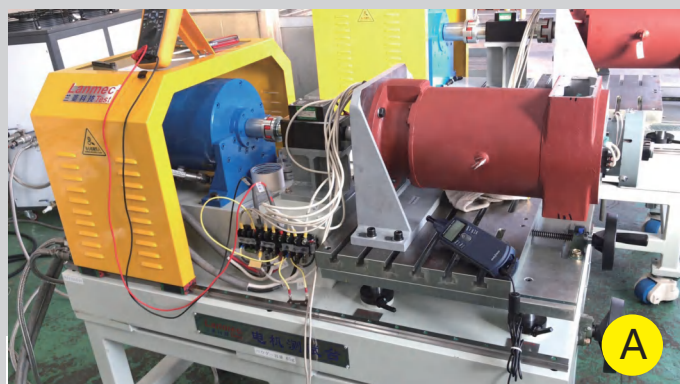


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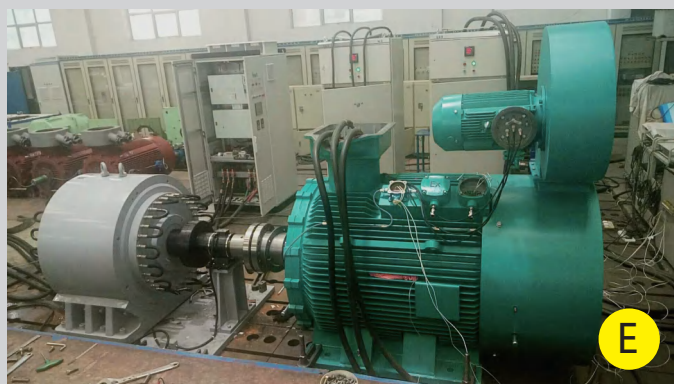


22





A



E



B



F



C



G



D



H



冷却风机
Cooling fan



负载箱
Load box



冷却塔
Cooling tower



冷却水泵
Cooling water pump





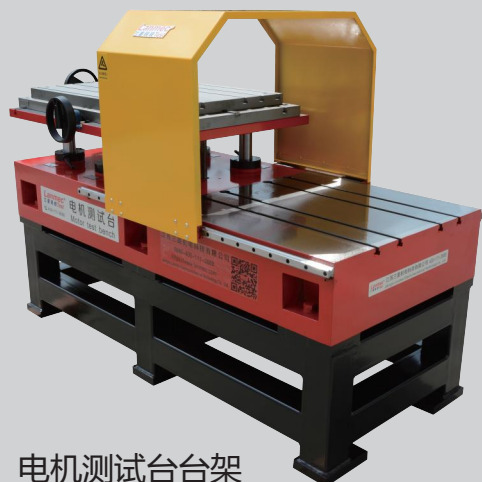
无人机测试台
UAV test bench



电机测试台检测柜一体机
Motor test bench test cabinet integrated machine



台架
Bench



电机测试台台架
Motor test bench



变桨电机测试台
Pitch motor test bench

Lanmec®
兰菱科技 Test

[illegible]

需要测量参数	1、电机驱动器供电功率测量吗 ☐ 如需测量请提供供电类型及电压、电流范围 单相交流 ☐ 直流 ☐ 三相工频 ☐ 三相变频 ☐ 2、电机供电功率测量吗 ☐ 如需测量请提供供电类型及电压、电流范围 单相交流 ☐ 直流 ☐ 三相工频 ☐ 三相变频 ☐ 3、被测电机的转矩、转速、功率 ☐ 4、需要增加的测试项_____ 比如：温升、绝缘、耐压、反电动势、空载、堵转等		
测量数据处理	☐ 数码显示、手工记录（基本款，成本低） ☐ 测试数据可生成 Word、Excel 或 PDF 格式文件，可以生成曲线图表，数据可进行保存、编辑、打印（电脑款）		
测量精度要求	☐ $\pm 0.2\%$ ☐ $\pm 0.1\%$ ☐ $\pm 0.05\%$		
检测机柜形式	☐ 立式机柜 ☐ 钢琴式机柜 ☐ 只配仪表，数据人工读取，不需电脑、软件		
陪测负载要求 （冷却装置）	☐ 磁粉制动器 ☐ 电涡流制动器 ☐ 磁滞制动器 ☐ 电机对拖消耗 ☐ 磁粉测功机 ☐ 电涡流测功机 ☐ 磁滞测功机 ☐ 电机对拖回馈		
测试台形式	☐ XYZ 三维可调式 ☐ XZ/YZ 二维可调式 ☐ Z 高度可调式 ☐ 固定式		
客户其余要求	是/否进高低温箱环境测试？ 被测电机是/否需要单独冷却装置 是/否需要提供直流电源、调压器等？		
设备预算	根据不同预算，我们可以规划进口传感器/仪器		
希望交货日期			
使用地点			
制造方	江苏兰菱科技股份有限公司 顾耸智（选型总工程师）		
联系电话	400-111-3688（直拨）	邮箱	2880962198@qq.com
移动电话	13162580666（微信同号）	网址	www.lanmec.com

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