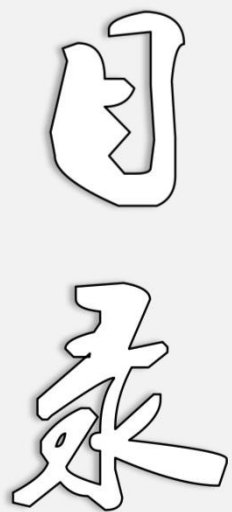


吉航公司民机业务介绍

Jihang Company Civil Aircraft Business Introduction



中国航空工业集团有限公司
AVIATION INDUSTRY CORPORATION OF CHINA, LTD.



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民机发展战略

Civil aircraft development strategy





吉航公司基本概况及能力介绍

Jihang company general situation and ability introduction

航空报国 航空强国

基本概况 Basic situation



航空工业吉航始建于1956年，1958年建成投产，隶属于中国航空工业集团公司。公司以航空维修为主业，专门从事军、民机整机、部附件和发动机等修理及航空产品制造业务。是一家具备军、民机综合保障能力的大型航空维修企业。

Aviation industry Jihang founded in 1956, completed and put into operation in 1958. It belongs to China Aviation Industry group company . The company takes aviation maintenance as the main business, specialized in military aircraft, civil aircraft , component, accessory ,engine and so on maintenance and aviation products manufacturing business. It is a large-scale aviation maintenance enterprise equipped with the military aircraft and civil aircraft comprehensive support capability.



吉航公司基本概况及能力介绍

Jihang company general situation and ability introduction

航空报国 航空强国



吉林

修理交付国内（外）各型飞机**数千架次**；

Has overhauled and delivered thousands of sorties various types aircrafts at home and abroad.

修理交付航空发动机**数万台次**。

Has overhauled and delivered ten thousands of aero-engines.

公司位于吉林市，占地面积**175.4万**平方米；

The company is located in Jilin city, covering an area of 1,754,000m²；

现有职工**2000余人**,中高级职称**860余人**。

Existing staff more than 2000 people,more than 860 staff members have intermediate or senior professional titles.





吉航公司基本概况及能力介绍

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航空报国 航空强国

能力介绍 Ability introduction

部附件修理

Component and accessory repairment

飞机机械附件大修线

Aircraft machinery accessory overhaul line

飞机机械附件大修线具备飞机机载冷气、液压、燃油及起飞着陆系统等机械附件的大修能力和全机部、附件无损检测能力。

Aircraft machinery accessory overhaul line has the overhaul capability of airborne air conditioning , hydraulic, fuel ,take-off and landing systems etc, as well as the component and accessories non-destructive testing of the whole aircraft.



飞机军械特设大修线

Aircraft armament electronic overhaul line

飞机军械特设大修线具备飞机仪表、氧气、无线电、电气附件、雷达机载设备的大修能力，还具备荧光描绘、各种标志标识制造等能力。

Aircraft armament electronic overhaul line has the overhaul capability of instrument, oxygen, radio, electrical accessories, radar airborne equipment, Also equipped with the fluorescence description, various signs and markings manufacturing and so on.





能力介绍 Ability introduction

发动机修理

Engine repairment

公司具有涡喷五系列、涡扇十一、阿依24、涡桨五等系列发动机的检测、试验、大修能力，具备发动机部附件的大修能力。

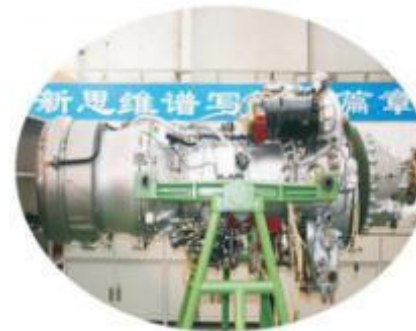
The company has capability of inspecting, repairing, testing WP-5 series, WS-11, AY-24, WJ-5 and other series engines, Also has the overhaul capacity of engine parts and accessories .



涡扇十一发动机（阿依25发动机） WS-11(AY-25)



发动机装配线 engine assembly line



阿依24发动机 AY-24



涡喷五发动机 WP-5



吉航公司基本概况及能力介绍

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航空报国 航空强国

能力介绍 Ability introduction

航空产品制造

Aviation product manufacturing



承担主机厂所钣金件、标准件、电缆、舱盖玻璃、橡胶件、导管、型材及组合件加工配套任务，已成为沈阳公司、哈飞公司等主机厂所的合格供应商。

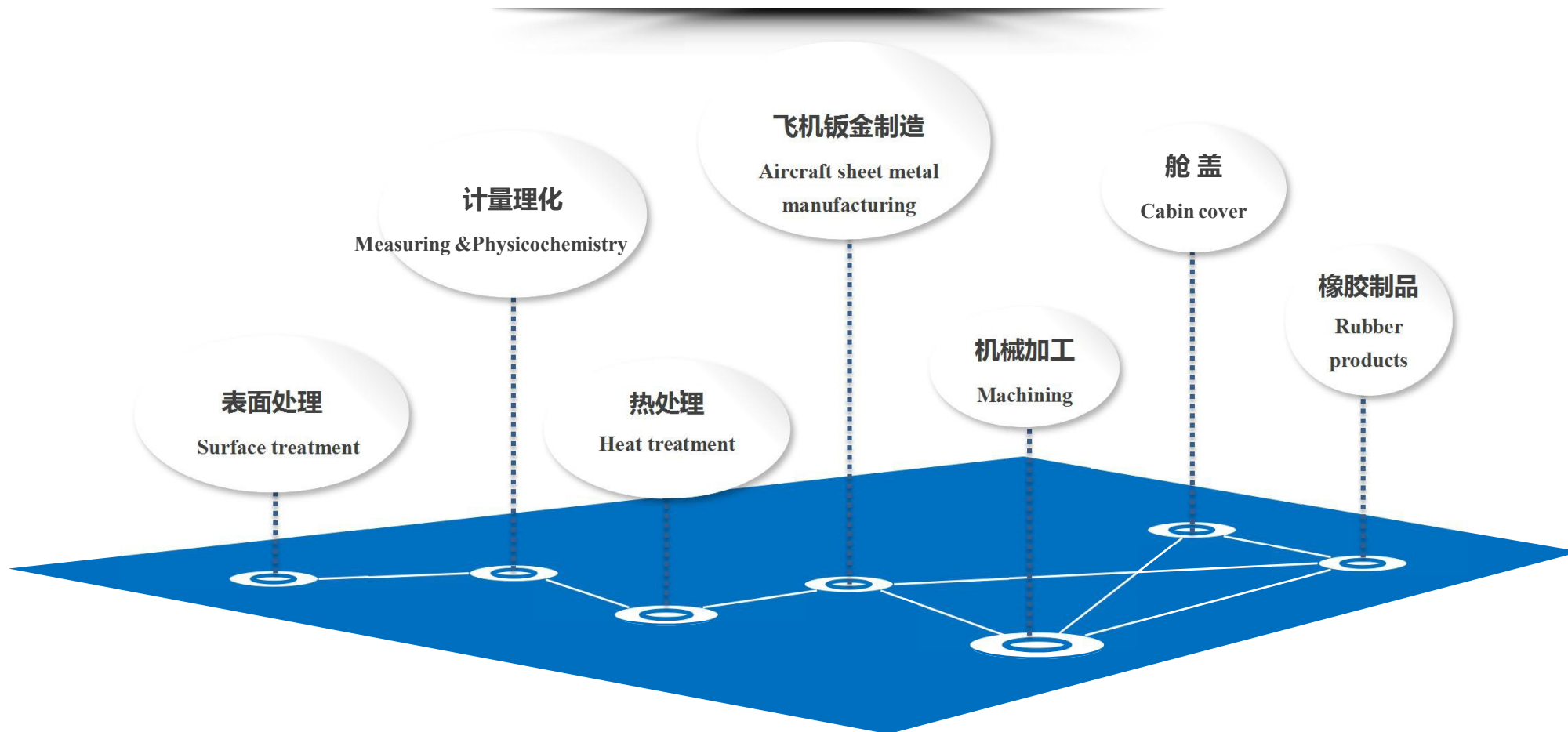
Undertake the processing and supporting tasks of sheet metal parts, standard parts, cable, cabin cover glass, rubber parts, pipe, profiles and components for OEM , Become the qualified suppliers of ShenYang aircraft company, Harbin aircraft company and so on main OEM .



能力介绍 Ability introduction

其它能力

Additional capabilities





吉航公司基本概况及能力介绍

Jihang company general situation and ability introduction

航空报国 航空强国

能力介绍 Ability introduction

表面处理 Surface treatment

公司飞机表面处理可满足飞机的整机喷涂和零、部件的表面处理。

Our company can satisfy the whole aircraft painting, surface treatment of parts and components.

其它能力

Additional capabilities

工作楼
working place



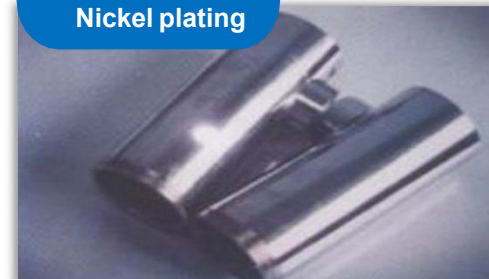
镀锌
Zinc plating



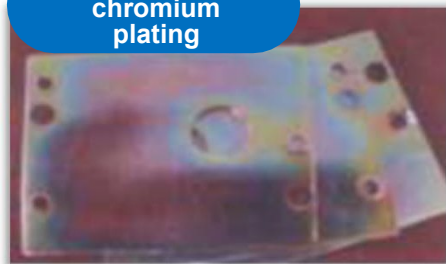
镀金
Gold plating



镀镍
Nickel plating



尺寸镀铬 Size
chromium
plating



发蓝
Bluing



装饰镀铬 Decorative
chromium plating



镀锌彩色钝化
Color passivation
of zinc plating





热处理

Heat treatment

公司具备零部件热加工及弹簧产品专业制造能力。在热处理、锻造领域，配套设备齐全，检测手段先进。

The company equipped with parts and component heat working capacity , spring products specialization manufacturing capacity. In heat treatment and forging field, corollary equipment complete, detection means advanced.

热处理生产现场

Production site of heat treatment



集散控制系统中央控制间

Central control room of distributed control system



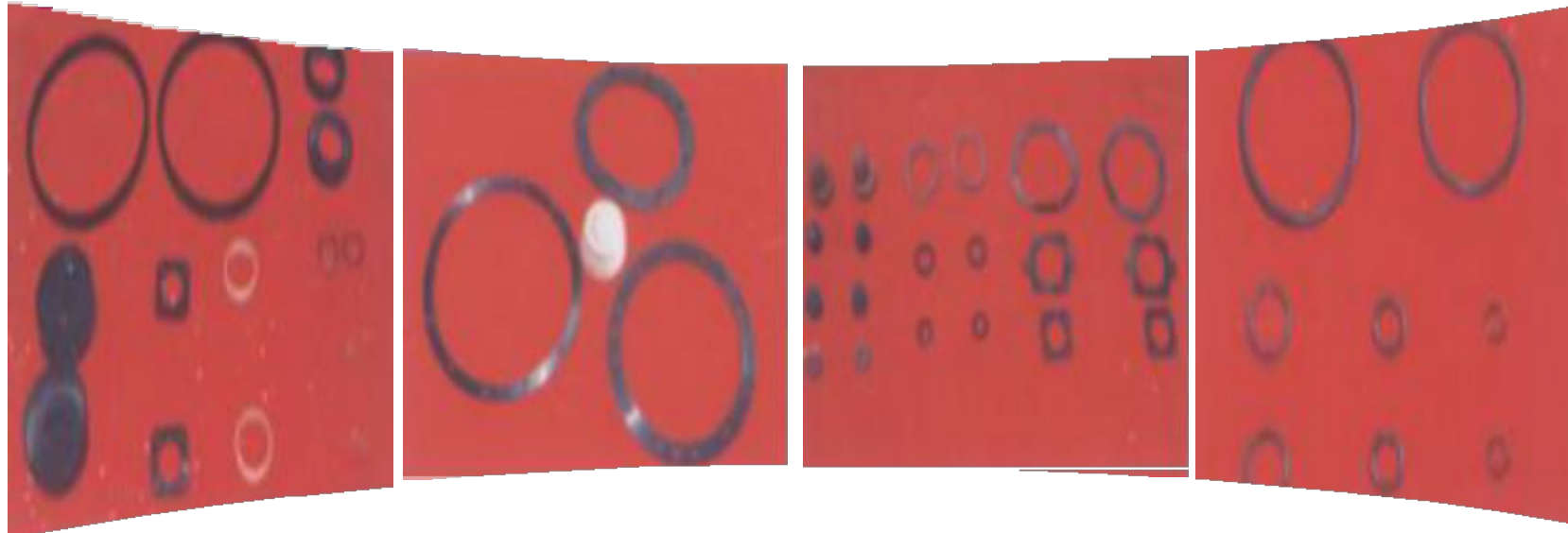


橡胶制品

Rubber products

该生产线具备飞机、发动机大修所需橡胶零件制造能力。如：天然橡胶、丁苯橡胶、氯丁橡胶、丁腈橡胶、聚硅橡胶制品压制等，并能够自行设计、制造各类模具。

The production line equipped with the manufacturing capability of the rubber parts for aircraft and engine overhaul. Such as: natural rubber, styrene butadiene rubber, chloroprene rubber, nitrile rubber, polysilicon rubber products, etc., Also equipped with the capability of designing and manufacturing all kinds of molds.





飞机钣金制造

Aircraft sheet metal manufacturing

该生产线具备各型飞机钣金型材、板材、小钣金件的生产制造能力，形成了较大规模的专业化生产体系，已逐步成为航空工业各主机厂钣金型材及板材制造配套供应商。

This production line is capable of producing and manufacturing the sheet metal profiles, sheet material, small sheet metal parts for various aircraft, Has formed a large-scale specialized production system, Gradually become the sheet metal profiles and sheet material manufacturing suppliers of the aviation industry OEM .





舱 盖

Cabin cover

座舱盖修理、制造生产线具备飞机的座舱盖及风挡玻璃的制造能力，同时具备舱盖骨架生产制造能力。

The cabin cover repairment and manufacturing capacity of aircraft compartment cover and windshield glass, Also equipped with the producing and manufacturing capability of cabin cover framework.





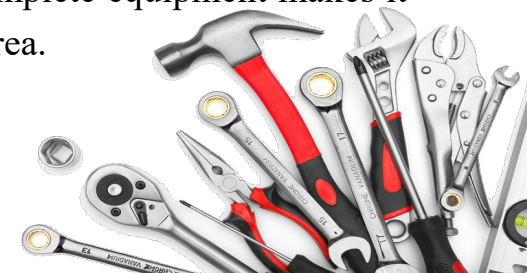
机械加工

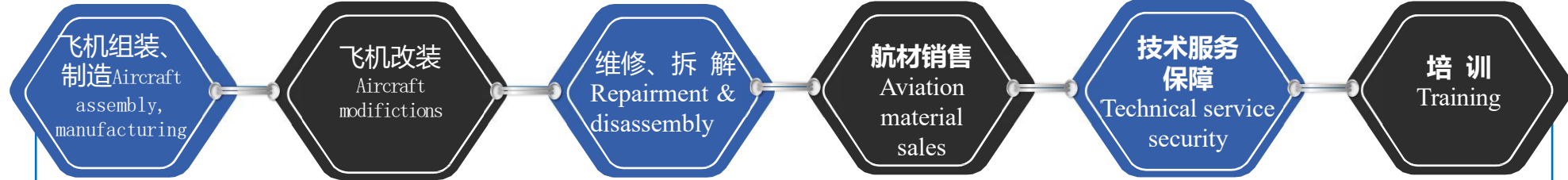
Machining



机械加工生产线具备加工各型飞机、发动机零备件，设计、加工各型飞机所需的地面工装、夹具、手工具等能力。加工实力雄厚，各类设备齐全，在航空维修领域名列前茅。

The machining production line equipped with the capability of processing the parts and spare parts of the various types aircrafts and engines, Also equipped with the capability of designing and machining ground tooling, fixture, hand tools for the various types aircrafts. strong processing capacity and complete equipment makes it come out in front in aviation maintenance area.





吉航公司1992年通过了民用航空器维修单位合格审定规定（CCAR-145部）和民航安全管理体系（SMS）认证，开展通用飞机维修、组装、制造、飞机改装、拆解、航材销售以及技术服务保障、培训等业务。

Jihang company approved by the Certification of Maintenance Organization for Civil Aircraft (CCAR - 145) and the Civil Aviation Safety Management System (SMS) certification in 1992, Carry out the general aircraft maintenance, assembling, manufacturing, aircraft modification, dismantling, aviation material sales and technical service guarantee, training and so on business.



建有占地面积为3850m²可容纳B737-800飞机的机库，是我国通用飞机规模大、能力强的专业化维修单位。

Built a aircraft hangar covers an area of 3850m²,The hangar can accommodate B737-800 aircraft,It is a specialized maintenance unit with large scale and strong capability for general aircraft in China.

规模大 能力强

large scale and strong capability



公司现有民机维修人员500余人

The company's existing civil aircraft maintenance personnel more than 500 people.



A

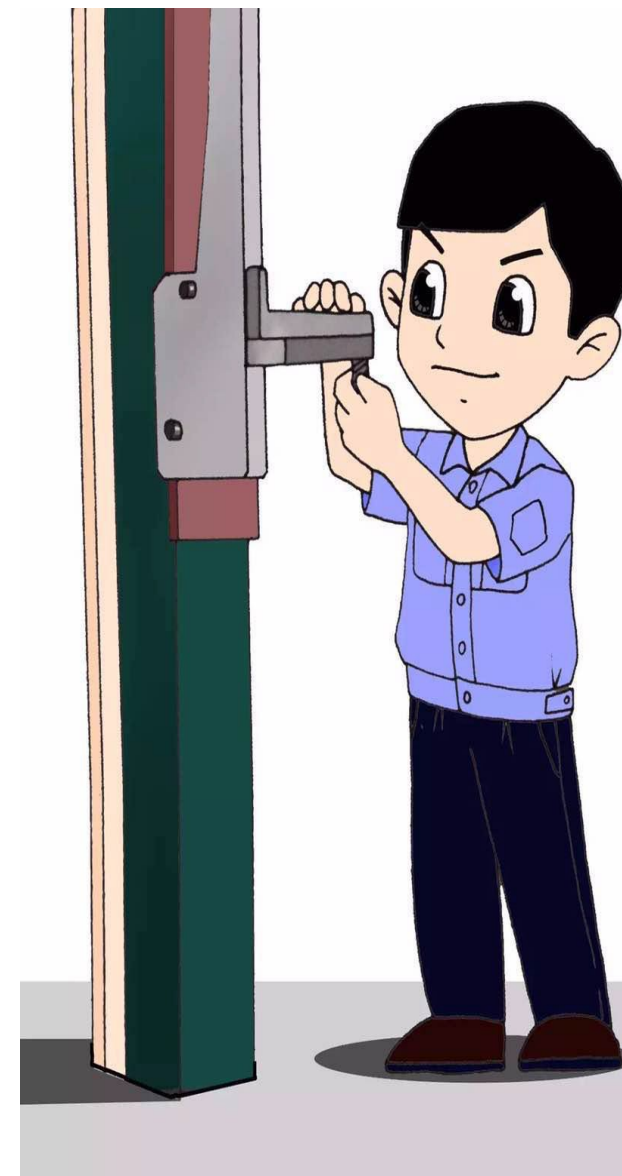
持有机型和部件执照40人

The people who has aircraft model and component licenses is 40.

B

正在考取机型和部件执照60人

The people who is obtaining aircraft model and component licenses is 60 .





民机业务发展现状

Development current situation of civil aircraft business

航空报国 航空强国



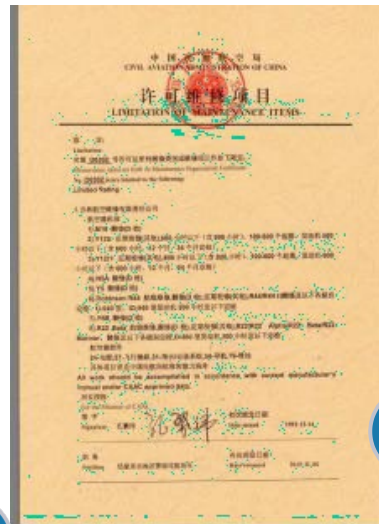
资质 Qualification



A

《民用航空产品零部件的
生产和服务》资质

Manufacture and Service of Parts and Components
for Civil Aviation Products



B



C

《民用航空器维修CCAR-145》资质
Civil Aircraft Maintenance CCAR-145
qualification



D

罗宾逊直升机维修授权
Robinson helicopter maintenance
authorization.





民机客户分布

civil aircraft customer distribution



已与国内24家通航公司建立了合作伙伴关系，承担其运营飞机维修技术服务业务，目前市场占有率达80%以上。飞机维修质量及修理周期得到了客户及地区民航局的好评和认可。

The company has established partnerships with 24 domestic general aviation companies to carry out the aircraft maintenance technical service business, The market share is over 80% currently. The aircraft maintenance quality and repair cycle receives praise and recognition from customers and local civil aviation administration.



飞机维修业务

Aircraft maintenance service

年可维修运五/运五B、M18
等通用飞机80架。



通用飞机

General
aircraft

与航空工业幸福航空合作，维修定检其
运营的MA60飞机。正在筹备波音飞机检修
能力建设。

支线、干线飞机

Regional
aircraft



Cooperate with Aviation Industry Happiness Aviation, maintain and inspect the MA60
aircraft .Prepare the maintenance capacity building of Boeing aircraft .

与美国罗宾逊直升机公司合作，承担其罗
宾逊系列直升机维修定检服务、航材销售、
技术支持等工作。

罗宾逊直升机

Robinson
helicopter



Cooperated with Robinson helicopter company, undertake the
maintenance and inspection service, aviation material sales and
technical support of Robinson series helicopter.

The annual maintenance numberof the Y5/Y5B, M18 and other general aircraft is 80.

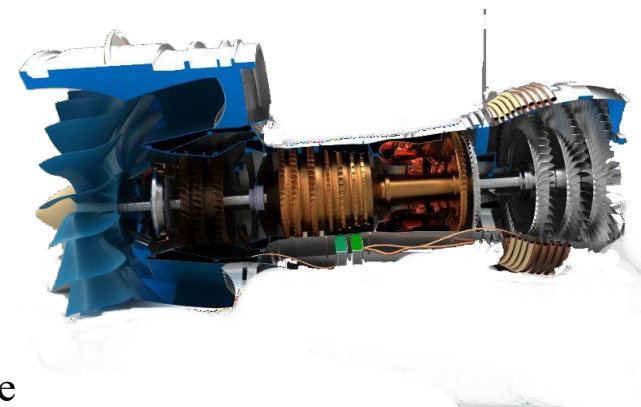


发动机维修业务

Engine maintenance business

罗-罗、莱康明等发动机维修

Rolls-Royce, Lycoming and other engines maintenance



正与美国罗-罗发动机公司和莱康明发动机公司沟通，在取得授权后，承担罗-罗、莱康明等发动机定检、维修工作。

Communicating with the American Rolls-Royce engine company and Lycoming engine company. After obtaining the authorization, Undertaking the inspection and maintenance work of Rolls-Royce, Lycoming and so on engines .





部附件维修业务

Component and accessory maintenance business

具备Y5、Y12等机型部件维修资质。

Have Y5, Y12 and other model aircraft component maintenance qualification.





飞机制造业务

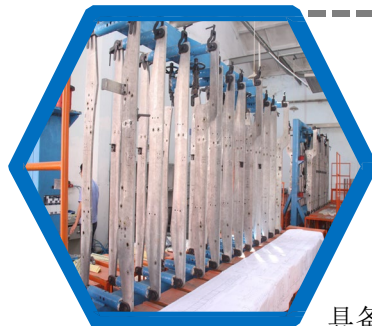
Aircraft manufacturing business

整机制造

The whole aircraft
manufacturing

开展了法国“忍者”固定翼飞机和罗特威直升机组装业务。2016年，与瀚星通航合作，承担其格莱斯艾尔运动人飞机国内组装、制造工作。

Carrying out the French "ninja" fixed-wing aircraft and the rottweiser helicopter assembly business. In 2016, Cooperated with HanXing Aviation, Undertook the Glasair Sportsman aircraft assembling and manufacturing work in domestic.



零部件制造

Parts and components
manufacturing

具备AS9100航空航天质量体系资质，承担国内外民用飞机零部件制造、转包业务。

Has the AS9100 aerospace quality system qualification, Undertake civil aircraft parts manufacturing at home and abroad, subcontracting business.

无人机制造

UAV(unmanned aerial vehicle)manufacturing

公司开展了T45、F16、毒蛇、J10等无人机制造业务。年可生产各型无人机500架以上。Carrying out the UAV(unmanned aerial vehicle)m anufacturing business of T45, F16, Viper ,J10 and so on. Product more than 500 sorties various UAV (unmanned aerial vehicle) annually.





技术服务业务

Technology service business



吉航公司瞄准民航机务技术服务需求，整合民航机务保障资源，开展了通航机务技术服务保障业务，延伸到客户端，实施标准化服务，打造利益共享、专业化服务的商业模式。拓展国际贸易积极融入国家战略，开拓国内、国外两个市场。开展新舟60飞机航线和过站服务，及销往非洲等地区飞机维修技术服务保障业务。

Jihang company aims at civil aviation maintenance technology service requirements, integrates civil aviation maintenance security resources, carries out the general aviation maintenance technology service support business, extends to the client, Implement standardized services, create the business model of benefit sharing and specialized service, expand international trade and integrate with the national strategy actively, expand domestic and foreign markets. Carry out route and cross-station service of MA60 aircraft. and the maintenance technology service support business of the aircraft saling to Africa and other regions.



培训业务

Training business

147部培训机构资质 Qualification of 147 training institutions

随着国内通航产业的迅猛发展，满足民航机务维修人员培训需要，吉航公司2014年启动了民用航空器培训学校建设工作，经过努力于2019年9月18日取得资质。填补了吉林省民用航空器维修人员培训学校空白。目前，与部队、院校、国外培训公司都建立了合作关系。

With the rapid development of the domestic aviation industry, to meet the training needs of civil aircraft maintenance personnel, Jihang company in 2014 started the construction of civil aircraft training school, after efforts to obtain qualifications on September 18, 2019. It fills the blank of civil aircraft maintenance personnel training school in Jilin Province. At present, with the army, colleges, foreign training companies have established a cooperative relationship.



1号教学楼

No. 1 teaching building



1号教学楼

No. 2 teaching building





培训业务

Training business

147部培训机构资质 Qualification of 147 training institutions

开展的培训业务

Training Business



服务地方经济建设，与吉林化工学院航空分院、吉林电子信息职业技术学院等院校合作，对在校大学生进行实操培训。

Serve the local economic construction, Cooperate with Jilin chemical engineering institute aviation branch, Jilin electronic information technology college and other institutions, and conduct practical training for college students.



服务于“一带一路”国家发展战略，与中航国际、中航技合作，对援建国家飞机维修人员培训基本技能。

Serve the national development strategy for the "Silk Road Economic Belt and 21st-Century Maritime Silk Road (One belt one road)", cooperation with China Aviation International and China Aviation Technology, Training basic skills for assisting national aircraft maintenance personnel.



服务于部队，对部队转业人员进行培训，并推荐就业。

Serve the military, retrain the demobilized army men from military, and provide employment recommendations to the civil companies.





培训业务

Training business

吉航公司66部考点资质介绍

Jihang company 66 parts testing centre introduction

吉航公司民用航空器维修人员执照（CCAR-66部）考点2018年获得局方批准，CCAR-66部技能考点2019年11月6日获得民航总局批复。填补了东北三省民用航空器维修人员技能考点空白。

Civil Aircraft Maintenance Personnel License Jihang Company (CCAR-66) examination center in 2018 to obtain the approval of the bureau, CCAR-66 skill examination center in November 6, 2019 to obtain the approval of the Civil Aviation Administration of China. (CAAC) Filled the northeast three provinces with skilled civil aircraft maintenance personnel.





通过对企业内外部环境分析，航空工业吉航制定了建立一个中心、打造三个平台、实现四个目标、达到二个促进的发展战略。

By analyzing the internal and external environment of the enterprise, AVIC Jihang formulate development strategy of setting up a center, building three platforms, realizing four goals, achieving two promotion.





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2. 打造三个平台

维修制造平台、终端服务平台、培训运营平台；

1. 建立一个中心

建设技术支持中心；

3. 实现四个目标

维修业务实现由通航到支线、国内到国外、固定翼到旋翼发展目标；技术服务业务实现由现场维修到标准作业、集约高效、终端服务发展目标；制造运营业务实现由技术融合、适航融合、市场融合到整机制造发展目标；培训业务实现由机型培训到技能培训到综合培训的发展目标。

4. 达到二个促进

促进地方经济转型，促进国家通航产业发展。最终打造具有国际竞争力的通航维修企业。



“十三五”期间，吉航公司将在国内建立3个、国外建立2个民机维修、制造、运营及机务人员培训等综合技术支持中心。2020年民用航空产业，国内市场占有率达60%以上，国际贸易总额占销售收入的40%以上，打造成具有国际竞争力的通航维修企业，促进地方经济转型，促进国家通航产业发展。

During the 13th five-year plan period, Jihang company will set up 3 domestic and 2 abroad comprehensive technical support centers, Which integrates civil aircraft maintenance, manufacturing, operation and personnel training. By 2020, the share of the civil aviation industry in domestic market is more than 60%, The total amount of international trade accounts for more than 40% of the sales revenue. Build into an internationally competitive general aviation maintenance enterprises, promote the local economic transformation, promote the international general aviation industry development.

不仅仅是我们选择了你，

其实也是你选择了我们，未来的日子里我们一起奋斗！

It's not just that we choose you,

In fact, you choose us too, Together we will work for the future.



感谢聆听



中国航空工业集团有限公司
AVIATION INDUSTRY CORPORATION OF CHINA, LTD.