COMPANY
INTRODUCTION

力智成机械（四川）有限公司

Dynatech Precision Co., Ltd.

美国 Tuson 集团
全球制造基地
United States Tuson Group

高端精密液压阀及液压传动关键部件 OEM 制造商
Hydraulic Valves & Key Transmission
Components – OEM Manufacturer

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MFG & QUALITY



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服务与愿景

SERVICE & VISION

ABOUT US



01

关于我们

ABOUT US

集团战略布局与公司概况，企业发展历程
Group Strategic Layout, Company Overview and Enterprise Development History

GLOBAL OPERATIONS

Tuson USA

- 4500㎡
- 30 employees/
- 销售服务/仓库
- Sales/Warehouse/

Tuson Dongguan

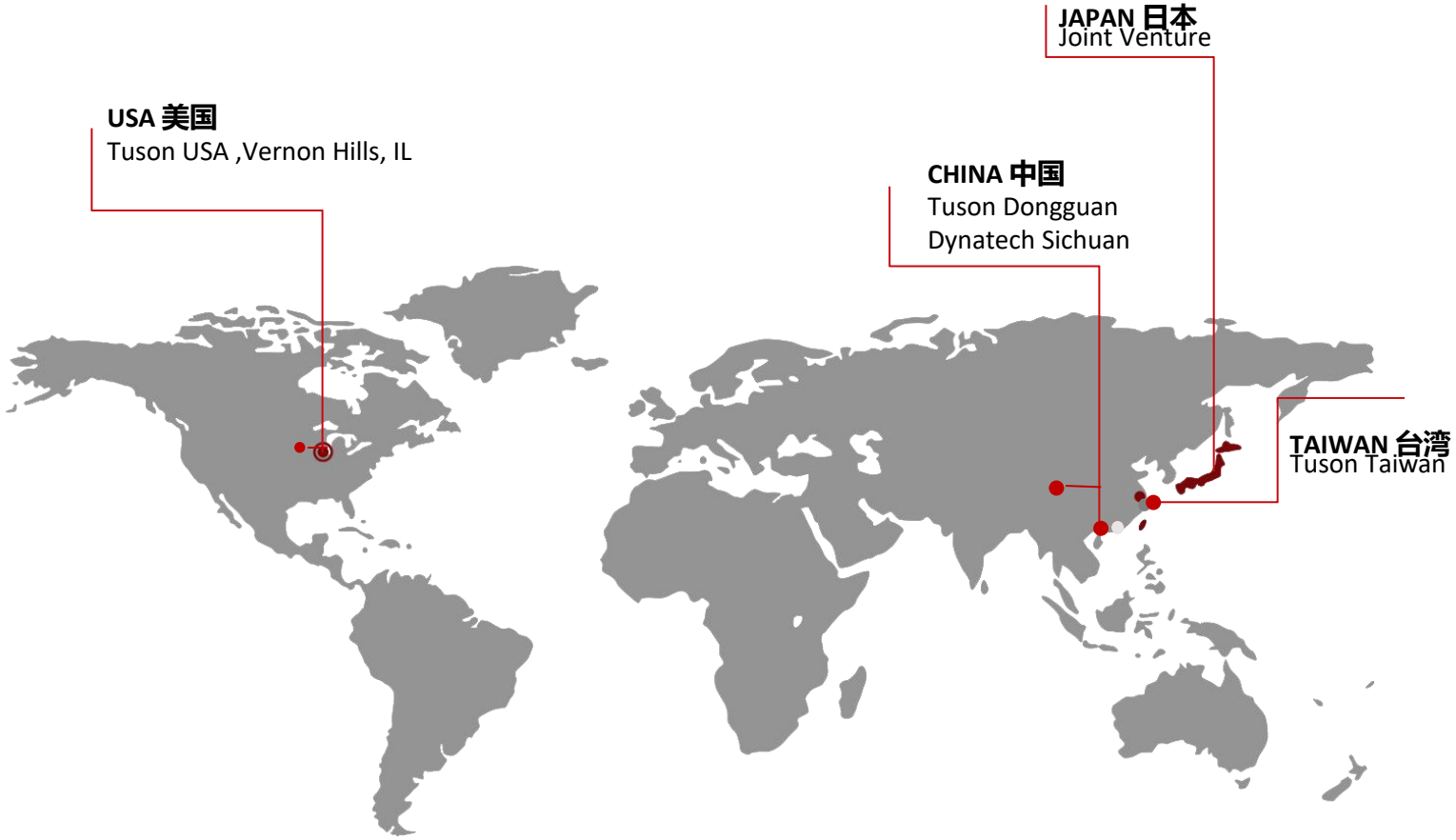
- 800㎡
- 10 employees
- 各类泵轴、液压阀及精密零部件研发基地
- Pump Shaft/ Hydraulic Valves/ Precision Components

Dynatech SiChuan

- 20149㎡
- 120 employees
- 各类泵轴、液压阀及精密零部件、 加工制造
- Pump Shaft/ Hydraulic Valve s/ Precision Components

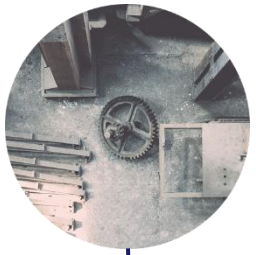
Tuson Taiwan

- 4650㎡
- 17 employees
- 设备维修 / 销售服务 生产制造/组装测试
- Equipment Maintenance/ Sales /Manufacturing/ ssembly and Test



ABOUT US

(DEVELOPMENT HISTORY)
(发展历程)



1987

TUSON ESTABLISHED
SACRAMENTO, CA



1990

TUSON TAIWAN ESTABLISHED
HSINCHU, TAIWAN

Tuson Taiwan was established to sell & repair all kinds of chillers at the beginning, then developed its own supply chain network with Taiwanese vendors.

Dynatech

ABOUT US

(DEVELOPMENT HISTORY)
(发展历程)

1996

RELOCATION
VERNON HILLS, IL

In 1996, Tuson USA moved to Vernon Hills, Illinois. With the new facility and much larger warehouse, it has always been the headquarter of the company for nearly 30 years.



2001

GOING OVERSEAS
DONGGUAN, CHINA

Dongguan factory was the first manufacturing facility operated by Tuson. It focused on producing all kinds of custom-made hydraulic and pneumatic valves and components.

ABOUT US

(DEVELOPMENT HISTORY)
(发展历程)

2020

NEW MANUFACTURING FACILITY BEGINS
HSINCHU, TAIWAN (R.O.C.)

Inspired by continuous business growth, TUSON established a new 4,650 ㎡ manufacturing and office building in TW.



ABOUT US

(DEVELOPMENT HISTORY)
(发展历程)

2021

ESTABLISHING NEW FACILITIES
SICHUAN, CHINA

In 2021, we established Dynatech Precision Co., Ltd in Sichuan. At the same time, we also established Dynatech brand, which is the continuation and upgrade of TUSON. The new factory has added a heat treatment workshop, which is the most complete manufacturing process and the strongest manufacturing capacity among the TUSON groups .





39 YEAR ANNIVERSARY
WORLDWIDE

Dynatech

NEW FACTORY PLAN



TUSON 集团核心主力制造基地
Flagship Manufacturing Base of TUSON Group

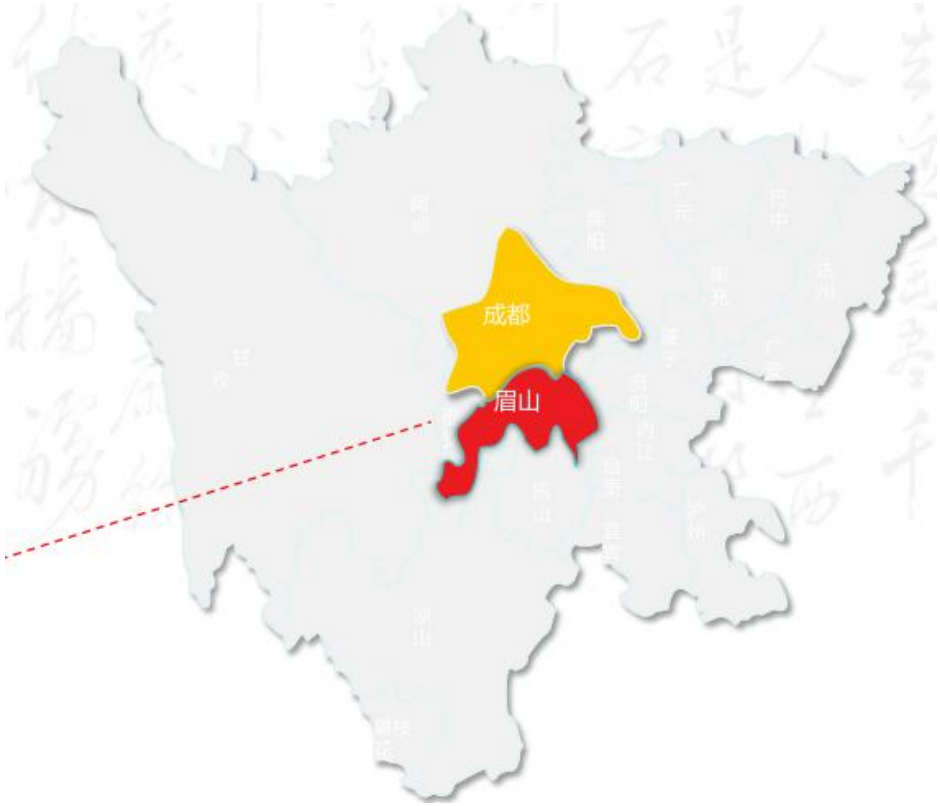
置地30亩/4.94 Acres,厂房面积20149㎡.

投资1500万美金　Invest $15 million.

2025年3月投产　Commenced production in March 2025

150名员工，其中管理人员15人，工程师30人，技术人员30人.
150 employees, including 15 managers, 30 engineers, 30 technicians.

NEW FACTORY LOCATION



眉山距离天府国际机场和双流国际机场仅需60分钟; 乘坐高铁到成都市区及双流国际机场仅需20分钟,属成都平原经济圈, 成渝经济核心圈范围.

Meishan is only 60 minutes far from Tianfu International Airport and Shuangliu International Airport by car, and only 20 minutes far from Chengdu and Shuangliu International Airport by high-speed railway. It belongs to chengdu Plain economic circle and chengdu-Chongqing economic core circle.

Dynatech Org Chart

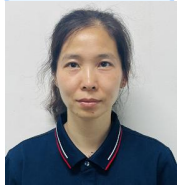


董事长 President
Roger Tu



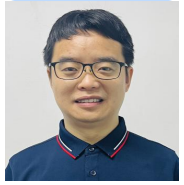
总经理 General Manager
Iris Hu

业务部 Sales Dept.



- 业务部细分
  - 国内业务 Domestic
  - 国际业务 International

工程部 Eng. Dept.



- 工程部细分
  - 项目 Project
  - 液压 Hydraulic
  - 工艺 Process

生产部 Prod. Dept.



- 生产部细分
  - 机加工 CNC
  - 热处理 HT
  - 组装 ASSY
  - 生管 PMC

品保部 QA Dept.



- 品保部细分
  - 质保 QA
  - 质检 QC
  - 质量体系 QMS

综合管理部 Gen. Admin. Dept.



- 综合部细分
  - 人事行政 HR
  - 资材 MAT

财务部 Fin. Dept.



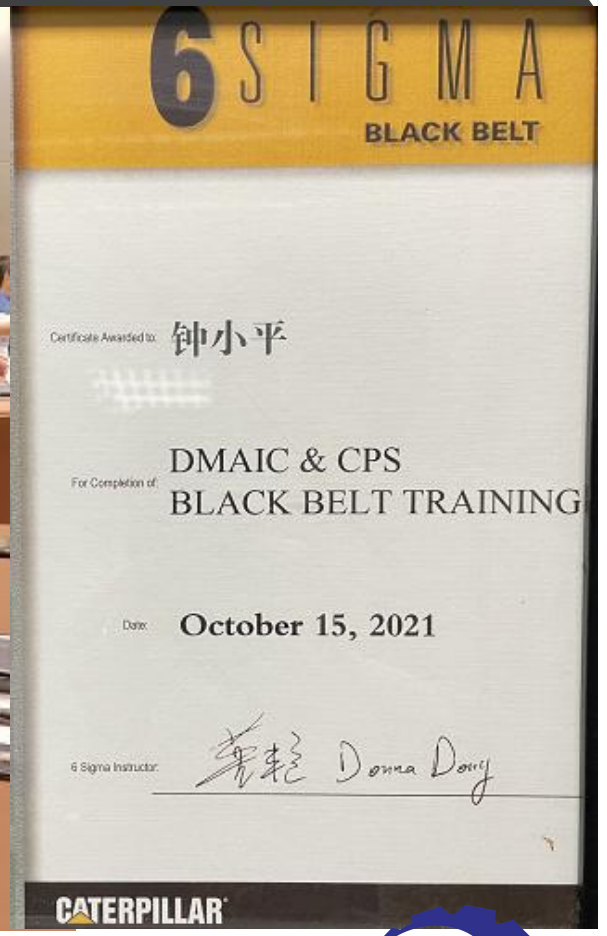
- 财务部细分
  - 会计 Accounting
  - 出纳 Cashier

TALENT DEVELOPMENT









TALENT DEVELOPMENT





CORE BUSINESS



02

核心业务

CORE BUSINESS

主营产品与全链条制造能力，覆盖上下游关键环节

Main Products and Full-Chain Manufacturing Capabilities, Covering Key Links in the Upper and Lower Industrial Chains

PROCESS EXAMPLE

Production Process: 加工工序

- Material in-coming QC 进料检验
- Rough Machining 粗加工
- Heat Treatment / Surface finish 热处理/表面处理
- Grinding Finishing 精磨
- Cleaning 清洗
- Cleanliness Test 清洁度测试
- Rust Prevention 防锈
- Quality Inspection 品质检验
- Packaging 包装
- Shipping 出货





Dynatech

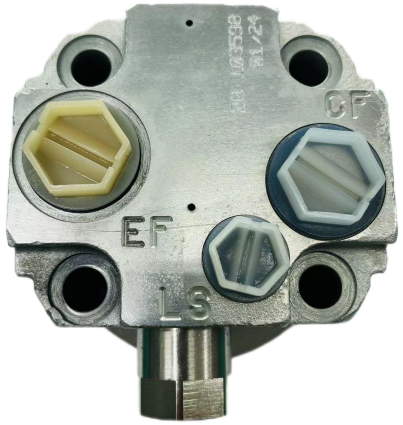
VALVES & ASSEMBLIES

All types of cartridge valves
各类型的插装阀

- Directional 直动型
- Check 单向型
- Pressure control 压力控制型
- Solenoid 电磁阀
- Pilot Valve 先导阀
- Machined components, sub-assemblies or complete assemblies. 所有的零件加工，半组装，组装品
- 100%泄露和功能性测试
  100% leakage (.05 cc/min or less) and function testing







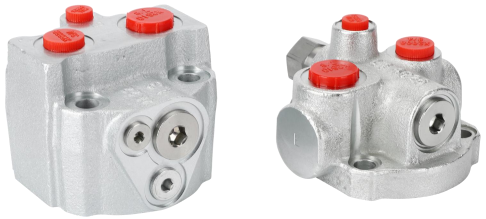




VALVES & ASSEMBLIES

All types of cartridge valves
各类型的液压阀

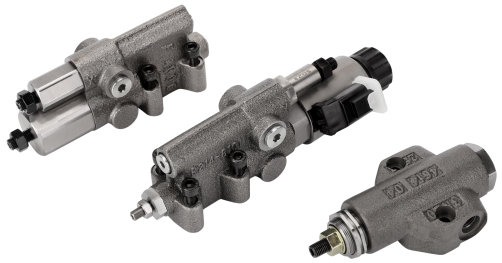
- Machined components, sub-assemblies or complete assemblies.所有的零件加工，半组装，组装品
  100%泄露和功能性测试
  100% leakage (.05 cc/min or less) and function testing



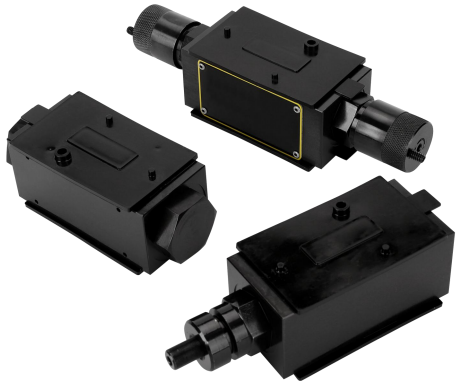
负载敏感阀
Load Sensing Valve
- 压力(Pressure)：25Mpa
- 流量(Flow)：60LPM



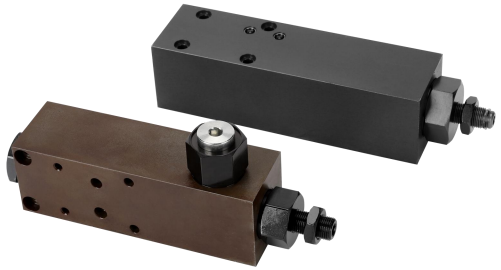
A4V 恒功率阀
A4V Constant Power Valve
- 压力(Pressure)：35Mpa
- 流量(Flow)：4LPM



A10 泵控阀
A10 Pump Control Valve
- 压力(Pressure)：25Mpa
- 流量(Flow)：4LPM



Parker 叠加阀
Parker Sandwich Valve
- 压力(Pressure)：35Mpa
- 流量(Flow)：53LPM



Danfoss PVX 泵控阀
Danfoss PVX Pump Control Valve
- 压力(Pressure)：35Mpa
- 流量(Flow)：4LPM

Dynatech

VALVES & ASSEMBLIES

All types of cartridge valves
各类型的液压阀

- Machined components, sub-assemblies or complete assemblies. 所有的零件加工，半组装，组装品
  100%泄露和功能性测试
  100% leakage (.05 cc/min or less) and function testing



Parker 溢流阀
Parker Relief Valve
- 压力(Pressure)：35Mpa
- 流量(Flow)：100LPM



溢流阀
Valve GP-Relief
- 压力(Pressure)：31.5Mpa
- 流量(Flow)：150LPM



溢流阀
Valve GP-Relief
- 压力(Pressure)：31.5Mpa
- 流量(Flow)：4LPM



Parker V10 溢流阀
Parker V 10 Relief Valve
- 压力(Pressure)：25Mpa
- 流量(Flow)：110LPM



Parker Rp51 溢流阀
Parker Rp51 Relief Valve
- 压力(Pressure)：34Mpa
- 流量(Flow)：200LPM



Parker 双向液压锁
Parker P.O.Check Valve
- 压力(Pressure)：25Mpa
- 流量(Flow)：4LPM

Dynatech

VALVES TEST STAND

根据客户需求，100%泄露和功能性测试

100% functional testing in accordance with customer requirements

测试台 1(Test Stand 1)

- 数量（QTY）：1pcs
- 压力(Pressure)：31.5Mpa
- 流量(Flow)：20LPM

测试台 2(Test Stand 2)

- 数量（QTY）：2pcs
- 压力(Pressure)：31.5Mpa
- 流量(Flow)：45LPM

测试台 3(Test Stand 3)

- 数量（QTY）：1pcs
- 压力(Pressure)：31.5Mpa
- 流量(Flow)：90LPM

测试台 4(Test Stand 4)

- 数量（QTY）：2pcs
- 压力(Pressure)：35Mpa
- 流量(Flow)：60LPM

测试台 5(Test Stand 5)

- 数量（QTY）：1pcs
- 压力(Pressure)：63Mpa
- 流量(Flow)：23LPM

Dynatech

MFG & QUALITY



03

制造与质量

MFG & QUALITY

国际先进生产设备与权威质量认证体系，
严控每一道工序
State-of-the-art production equipment & authoritative quality certification systems, with strict control over every process.

MFG & QUALITY



精密CNC加工
Precision CNC Machining

微米级加工精度，确保零部件完美配合。
Micron-level precision for perfect component matching.



专业热处理
Professional Heat Treatment

赋予产品优异的机械性能。
Endow products with excellent mechanical properties.



表面处理
Surface Treatment

多层防护工艺，从容应对恶劣环境。Multi-layer protection for reliable performance in harsh environments.



总成装配
Complete Assembly

标准化流程作业，功能性测试。
Standardized process operation and functional testing



全流程检测
Full Process Inspection

高精度设备层层把关，确保产品零缺陷出厂交付。
High-precision equipment guarantees zero-defect delivery.

EQUIPMENT INVESTMENT



High-precision 9 axes automatic lathe
津上高精度9轴自动车床



High-precision 5 axes automatic lathe
斯大高精度5轴自动车床

Dynatech

EQUIPMENT INVESTMENT



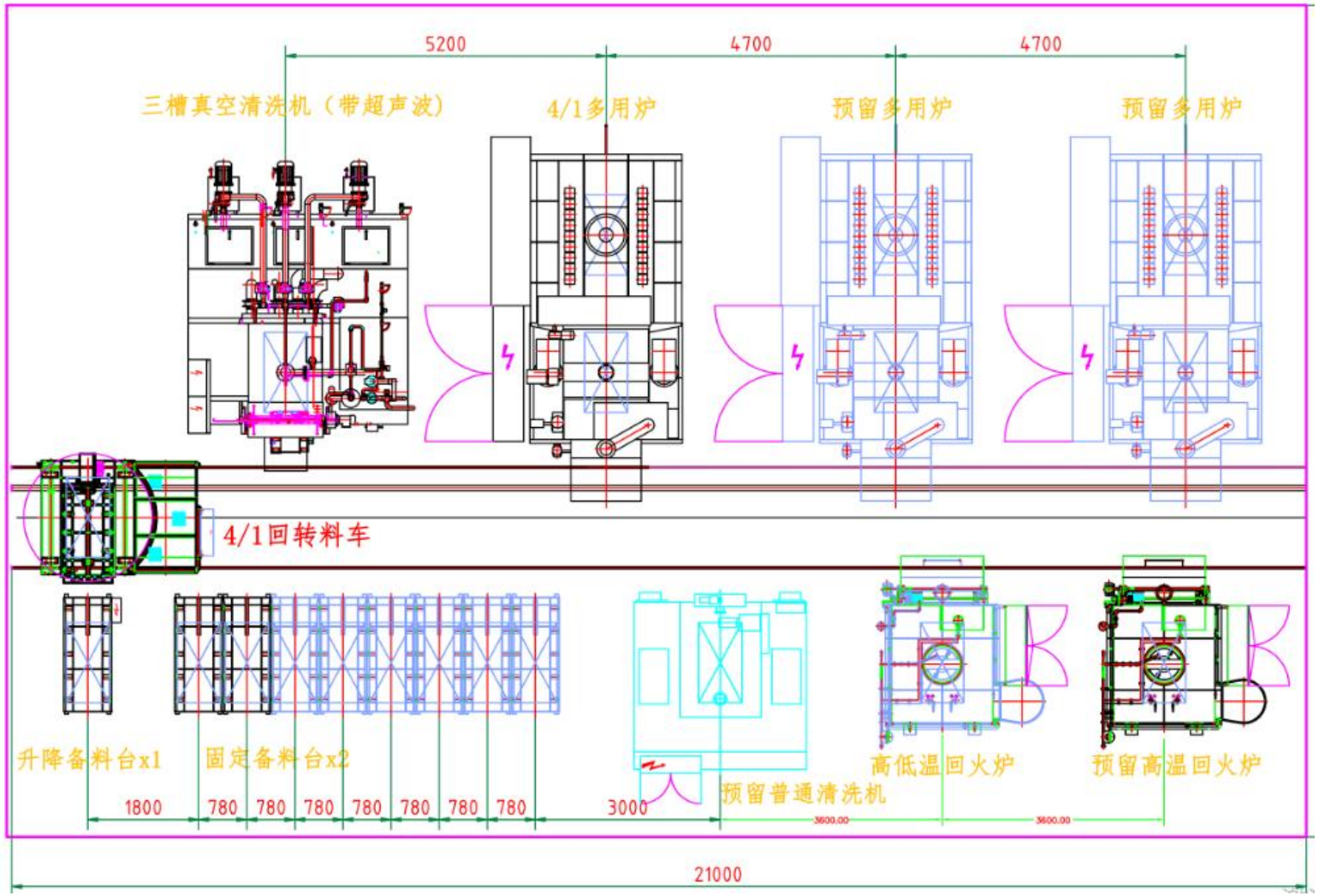
High-precision machining center
马扎克高精度立式加工中心



High-precision machining center
马扎克高精度卧式加工中心

Dynatech

HEAT TREATMENT PRODUCTION LINE



专业热处理，赋予零件“钢铁意志”

Professional Heat Treatment – Forging Components with Unyielding Strength

HEAT TREATMENT PROCESS



淬火+回火双重工艺，精确调控硬度与内部应力
Dual Quenching-Tempering Process: Precision Control of Hardness & Stress.

渗碳、氮化表面强化技术，成倍提升零件寿命
Carburizing & Nitriding Surface Strengthening – Exponentially Extending Component Life.

严格温控与时效处理，确保工件工作期间精度零漂移
Strict temperature control and aging treatment ensure zero precision drift of workpieces during operation.

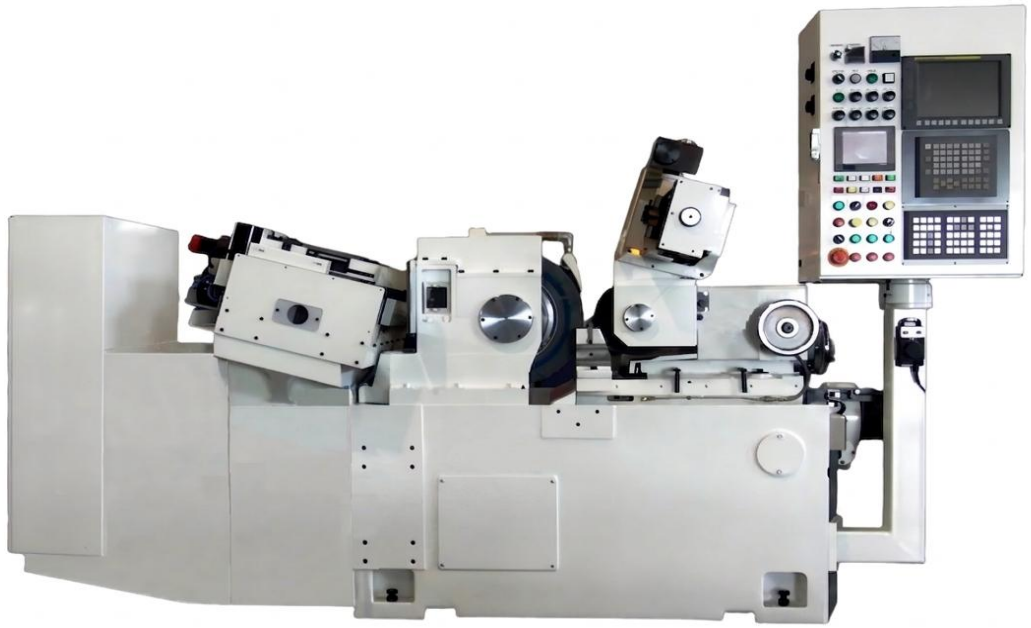
Dynatech

HEAT TREATMENT PROCESS

Heat Treatment Process

- 装炉 Loading into Furnace
- 前清洗Pre-Washing
- 预氧化Pre-Oxidation
- 渗碳Carburizing
- 后清洗 Post-Washing
- 品质检测（硬度/渗碳层深度/金相分析）Quality Inspection (Hardness / Case Depth / Metallographic Analysis)
- 回火Tempering
- 品质检验（硬度/渗碳层深度/金相分析）Quality Inspection (Hardness / Case Depth / Metallographic Analysis)
- 喷砂Sand Blasting
- 校直Straightening
- 防锈装箱Rust Prevention Packaging

EQUIPMENT INVESTMENT



High-precision 5 axes centerless grinding machine
大宫高精度5轴无芯磨床



High-precision cylindrical grinder
喜基雅高精度外圆磨

Dynatech

EQUIPMENT INVESTMENT



Station rotary honing machine
善能立式6工位铰珩机



Spring abrasive flow machine
流体抛光去毛刺机

Dynatech

EQUIPMENT INVESTMENT



Vacuum carbon nitrogen ultrasonic 4 tank automatic cleaning machine.

真空碳氢超声波4槽全自动清洗机。

No.1-3 Tank: Vacuum ultra cleaning

真空超声波浸泡清洗

No.4 Tank: Vaper cleaning + Vacuum drying

蒸汽洗净+真空干燥

Dynatech

EQUIPMENT INVESTMENT



CMM
三坐标



Roundness tester
圆度仪



Profilometer
轮廓仪

Dynatech

EQUIPMENT INVESTMENT



SPECTRO Analytical Instruments
光谱仪



Carbon and Sulfur Analyzer
碳硫分析仪

Dynatech

EQUIPMENT INVESTMENT





清洁度实验室（Cleanliness Lab）

- 精密零部件清洁度检测
  Precision Parts Cleanliness Testing
- 洁净室 颗粒度分析
  Cleanroom & Particle Size Analysis
- 极致洁净，品质无瑕
  Ultimate Cleanliness, Flawless Quality

研磨烧伤实验室 (Grinding Burn Lab)

- 磨削烧伤检测金相分析
  Grinding Burn Testing & Metallographic Analysis.
- 研磨热损伤检测
  Grinding Thermal Damage Testing
- 无损探伤
  Non-Destructive Testing (NDT)
- 表面完整性检测
  Surface Integrity Testing

Dynatech

CERTIFICATE GB/T19001-2016/ ISO9001:2015



CERTIFICATE OF REGISTRATION

认证证书

证书编号： U25Q2GZ8031358R0S

力智成机械（四川）有限公司

统一社会信用代码：91511400MA670J4YX6

注册地址：四川省眉山市东坡区顺江大道北段 1 号中国泡菜城政务中心

生产地址：四川省眉山市经济开发东区坛香路 12 号

质量管理体系已完成评审并符合

GB/T19001-2016/ISO9001:2015

认证范围：

金属机械零部件的生产

颁证日期：	有效日期：	首次签发证书日：
2025 年 03 月 06 日	2028 年 03 月 05 日	2025 年 03 月 06 日

获得本认证证书并不意味着证书持有者可以免除其应尽的其他法律义务，当本认证范围中的产品或活动有行政许可要求时，本证书仅在证书持有者的行政许可范围内有效。获证组织须定期接受 GICG 年度监督，并经审核合格方继续有效。请扫描左侧二维码查询证书信息。本证书信息可在国家认证认可监督管理委员会官方网站（www.cnca.gov.cn）或 GICG 网站（www.gicg.com.cn）查询

扫码查询证书有效性

GICG 微信公众号

证书签发：

Guardian Independent Certification Ltd
Registered in England
114 St Martin's Lane，Covent Garden，London WC2N 4BE
Accredited by Member of IAF MLA

证书专用章

0045



CERTIFICATE OF REGISTRATION

Certificate No.： U25Q2GZ8031358R0S

The Quality Management Systems of

Dynatech Precision Company, Ltd.

Unified Social Credit Code:91511400MA670J4YX6

Registration address:China Kimchi City Government Center, No. 1 Shunjiang Avenue North, Dongpo District, Meishan City, Sichuan Province

Production address:No. 12 Tanxiang Road, East Zone of Economic Development Zone, Meishan City, Sichuan Province, China.

has been assessed by GICG and complying with

GB/T19001-2016/ISO9001:2015

For the following activities

Production of metal mechanical components

Date of Issue:	Date of Expiry:	Date of Initial Certification:
06 March 2025	05 March 2028	06 March 2025

The granting of this certificate does not mean that the certificate holder can avoid any legal obligation. If the products or activities covered in the scope of certification require administrative licenses, the certificate shall be only valid within the scope of administrative licensing. The registered organization shall be subject to regular annual supervision by GICG, and the continual validity of the certificate is base upon conformity of audit. Please scan two-dimension code at left to find the certificate information. This certificate can be queried at Certification and Accreditation Administration of the People's Republic of China official website (www.cnca.gov.cn) & GICG website (www.gicg.com.cn)

Scan for certificate status

GICG WeChat public number

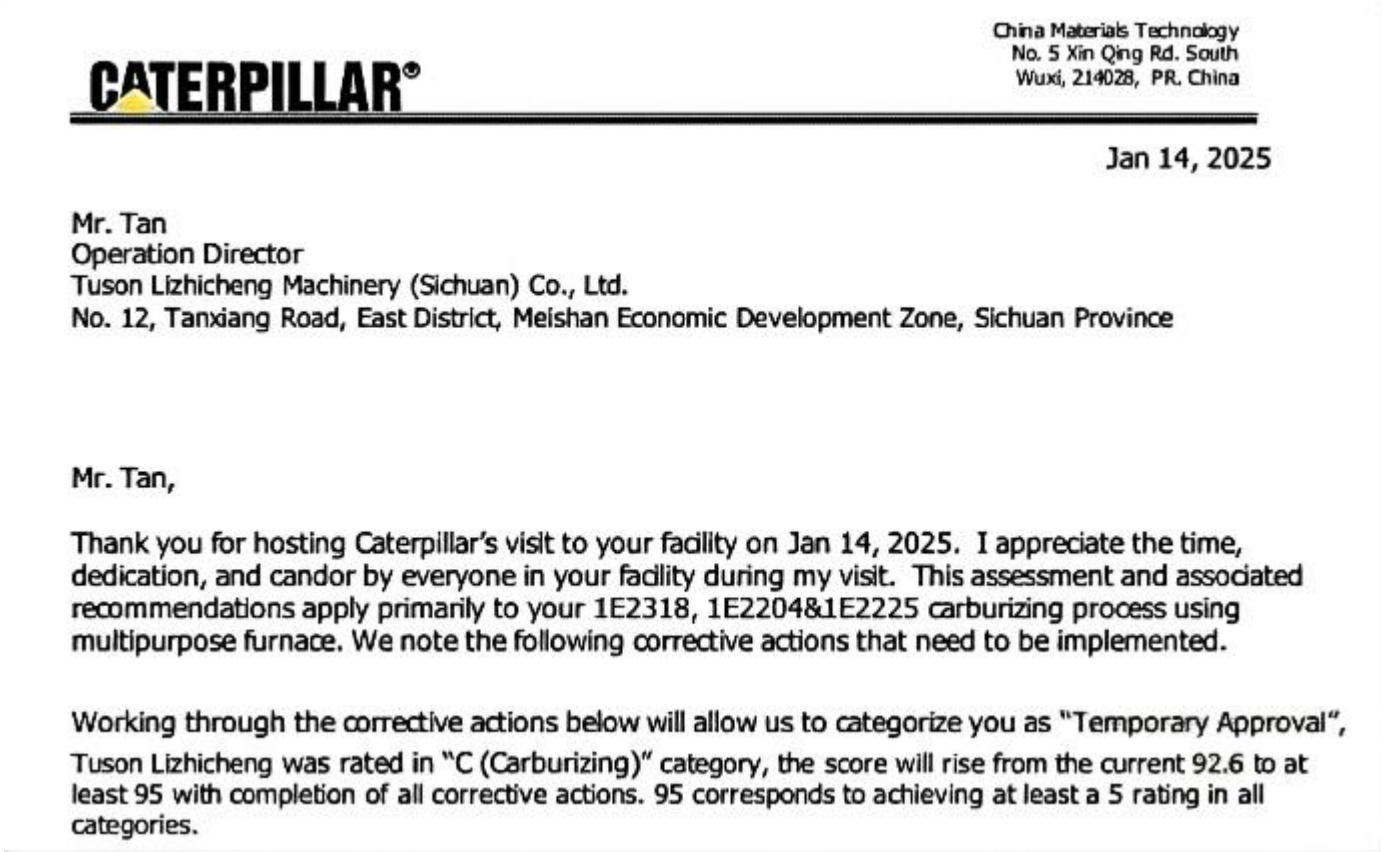
Signature:

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Registered in England
114 St Martin's Lane，Covent Garden，London WC2N 4BE
Accredited by Member of IAF MLA

证书专用章

0045

CUSTOMER AUDIT



CATERPILLAR®

China Materials Technology
No. 5 Xin Qing Rd. South
Wuxi, 214028, PR. China

Jan 14, 2025

Mr. Tan
Operation Director
Tuson Lizhicheng Machinery (Sichuan) Co., Ltd.
No. 12, Tanxiang Road, East District, Meishan Economic Development Zone, Sichuan Province

Mr. Tan,

Thank you for hosting Caterpillar's visit to your facility on Jan 14, 2025. I appreciate the time, dedication, and candor by everyone in your facility during my visit. This assessment and associated recommendations apply primarily to your 1E2318, 1E2204&1E2225 carburizing process using multipurpose furnace. We note the following corrective actions that need to be implemented.

Working through the corrective actions below will allow us to categorize you as "Temporary Approval", Tuson Lizhicheng was rated in "C (Carburizing)" category, the score will rise from the current 92.6 to at least 95 with completion of all corrective actions. 95 corresponds to achieving at least a 5 rating in all categories.

2025年1月14日,CAT来访评估审核多用炉IE2318、IE2204&IE2225渗碳工艺。

On January 14, 2025, CAT visited to evaluate and audit the carburizing process of IE2318, IE2204&IE2225 multi-purpose furnaces.

92.6， Approved

SUPPLIER EXCELLENCE RECOGNITION BY CATERPILLAR



TUSON

VISION & SERVICE



04

愿景与服务

VISION & SERVICE

以领先技术与精益管理，为全球客户创造卓越价值
Leading Technology & Lean Management – Delivering Superior Value to Global Clients.

MISSION STATEMENT



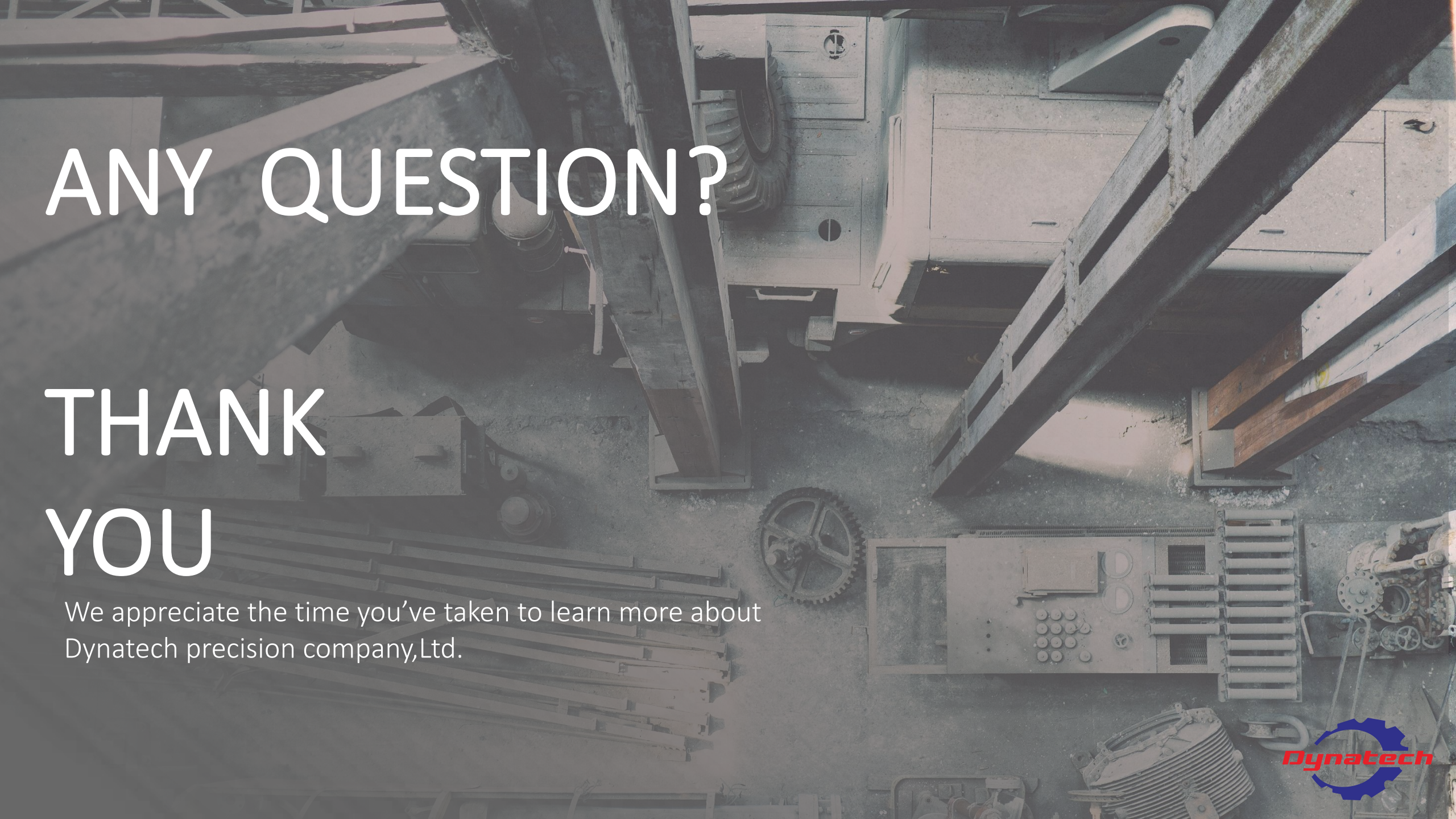
MISSION STATEMENT

"Our mission is to win the trust and loyalty of our customers with products and services of unrivaled quality and value."

--- Roger Tu, Founder & President

OUR CUSTOMERS 我们的客户

全球布局，持续赋能合作伙伴
Global Presence, Empowering Partners for Sustainable Growth.



ANY QUESTION?

THANK YOU

We appreciate the time you've taken to learn more about Dynatech precision company,Ltd.