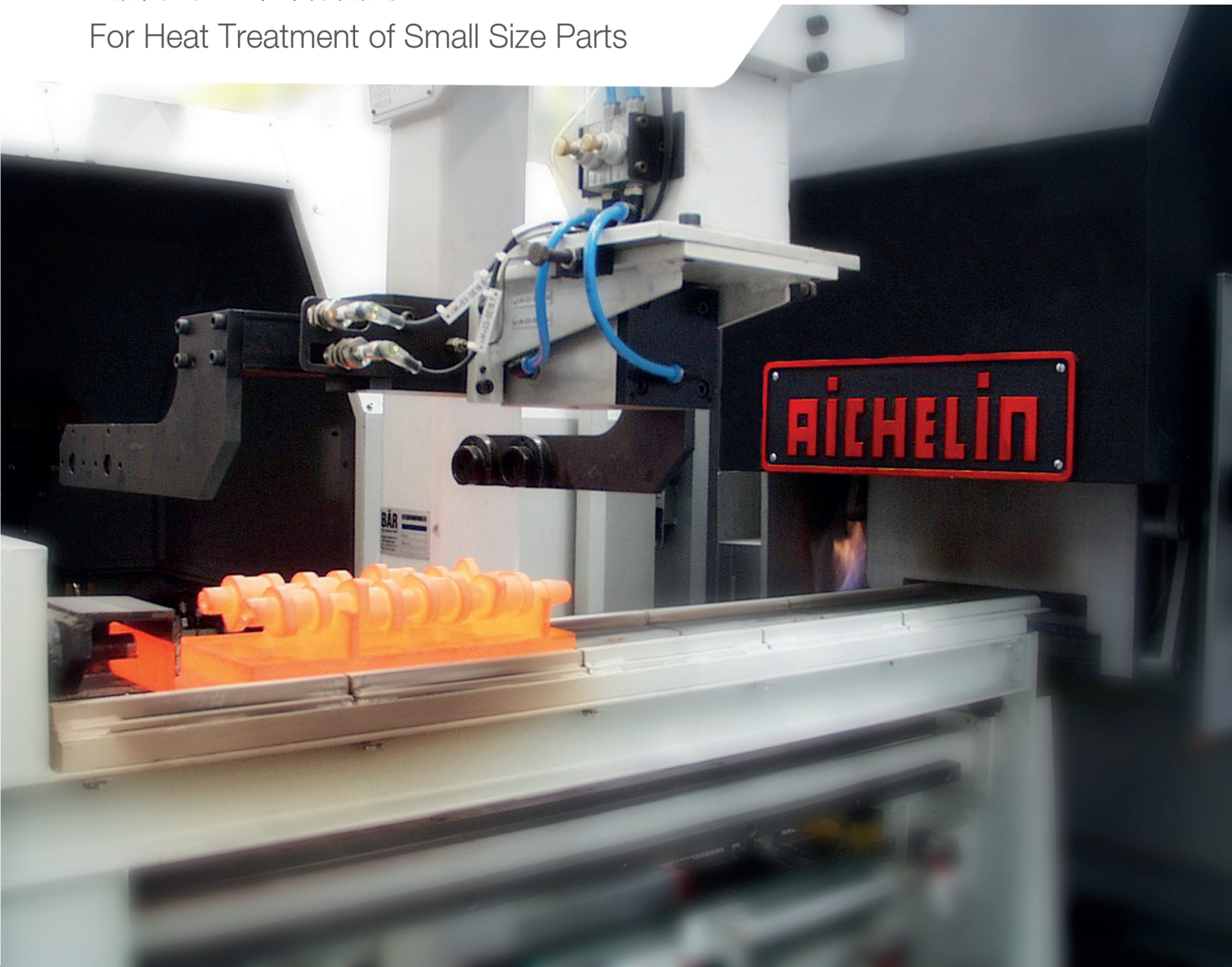


转底式炉热处理生产线

Rotary Hearth Furnace Plants

适用于小型零部件热处理
For Heat Treatment of Small Size Parts



Reliability at Work

爱协林热处理系统（北京）有限公司
AICHELIN Heat Treatment Systems (Beijing) Co., LTD.

转底式炉热处理生产线

Rotary Hearth Furnace Plants

生产线概述 INTRODUCTION

此生产线适用于环形齿圈、同步器齿套、轴承圈、离合器膜片等零件的大批量保护气氛加热压床淬火。

工件放置在可转动的炉底上，由同一炉门装出料，同时通过转底的多层布料方式完成工件的加热、浅层渗碳、碳氮共渗等过程；配合压床，实现限形、模压淬火功能；与上料机构、清洗机、回火炉等组成完整的热处理自动生产线。

This production line is designed for heating and press quenching of the ring gears, synchronizer sleeve, bearing race, clutch Disk, and other parts in a large batch of protective atmosphere heat treatment.

The workpiece is placed on the rotatable furnace bottom, and the workpieces are loaded and discharged from the same furnace door. At the same time, the heating, shallow carburizing and carbonitriding process of the workpiece are completed through the multi-layer method of the rotating bottom. Shape limiting hardening and die hardening can be realized by the press. Together with the loading mechanism, washing machine, tempering furnace, etc. to consist of a complete heat treatment automatic production line.



技术规格与型号 TECHNICAL SPECIFICATION AND TYPES

规格型号 Type	转底直径 Hearth Diameter	最大加热能力 Max. Capacity	加热功率 Heat Power
RDE/G(s) 100	1000mm	30-40 kg/h	45 kW
RDE/G(s) 130	1300mm	60-70 kg/h	55 kW
RDE/G(s) 170	1700mm	190-250 kg/h	68 kW
RDE/G(s) 230	2300mm	210-470 kg/h	112 kW
RDE/G(s) 270	2700mm	340-550 kg/h	144 kW
RDE/G(s) 350	3500mm	440-750 kg/h	187 kW

其他特殊型号可根据客户要求定制 Special Size Customized

生产线特点 ADVANTAGES

- 占地面积小、生产效率高：采用圆形炉膛，单门进出，装出料机械手连续装出料。

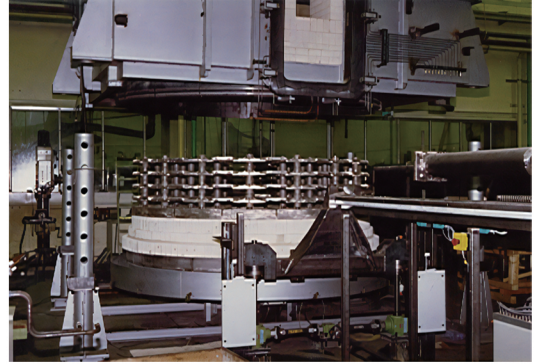
Loading/unloading through the same furnace door to achieve higher production effectivity whilst occupying less space.

- 炉温均匀性好、碳势控制精度高：转动的炉底、密封的炉门、均匀分布的辐射管和循环风扇等确保炉膛的温度均匀，达到最佳状态，与AICHELIN碳势测量控制系统相配合，保证碳势的高精度控制。

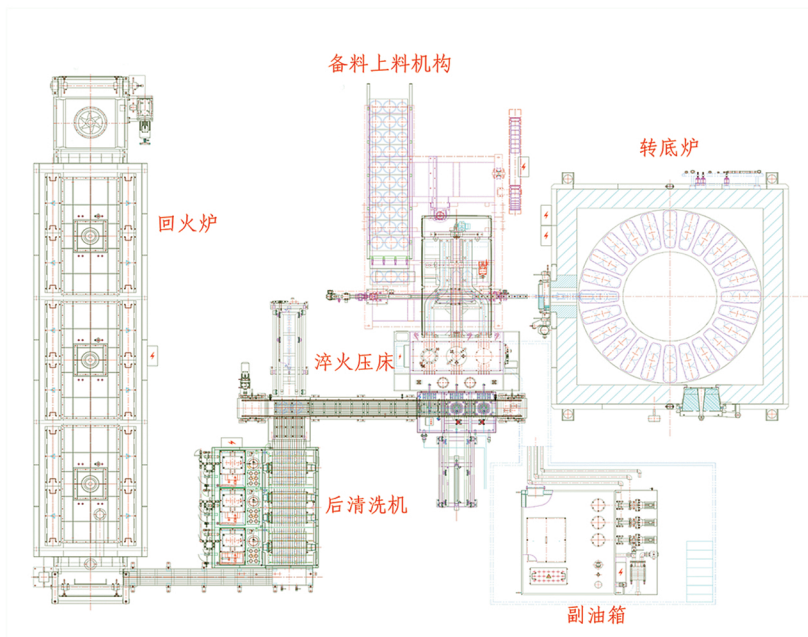
Good uniformity of furnace temperature and high carbon potential control accuracy: with rotating furnace bottom, sealed furnace door, evenly distributed radiant tubes and circulating fans ensure uniform furnace temperature and achieve the best state, which is compatible with AICHELIN carbon potential measurement and control system to ensure high-precision control of carbon potential.

- 可靠的安全性能：完善的安全设施，确保运行中操作人员、设备和产品的安全。

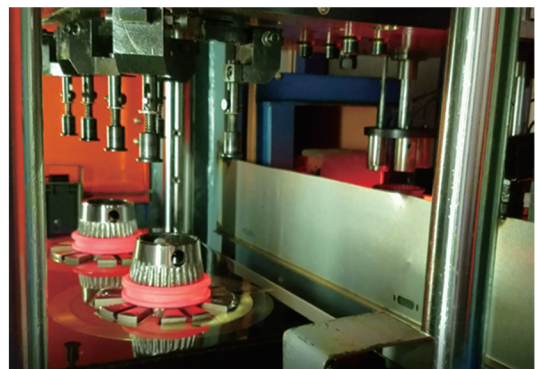
Reliable safety system to provide protection for staff and properties.



▲ 在建中的转底炉 Rotary Hearth Furnace under Construction



转底炉生产线布置图示例 Layout of Rotary Hearth Furnace Plant



▲ 淬火压床 Quenching Press

国际品牌，百年企业 ABOUT AICHELIN

150+年金属材料热处理经验，与客户一起成长的爱协林，是一家有生命力的企业。

With 150+ years of experience in heat treatment of metal materials, AICHELIN, which grows with customers, shows surprising vigor and vitality.

爱协林 (AICHELIN)，创立于1868年，总部位于奥地利维也纳附近。是一家专注于热处理技术与工艺发展创新，经过150+年金属材料热处理经验积累，已成为当下国际知名热处理装备制造供应商。旗下的10家子公司遍布于欧洲、亚洲及美洲，聚焦全球3大业务单元：工业炉热处理技术、烧嘴技术及全球服务，匠心为全球客户打造高品质产品，共享爱协林全球先进技术及供应链资源。

作为爱协林集团在华子公司：爱协林热处理系统（北京）有限公司于2005年成立。在前身爱协林工业炉工程（北京）有限公司（成立于1993年）基础上，全面主导工业炉在中国的研发制造、安装调试及售后服务等，并逐步形成定制化研发制造独特风格，已为国内外客户提供低能耗、清洁化、智能化的柔性热处理装备1800+台套，这些设备广泛应用于汽车、齿轮、轴承、机械、铁路、航空、航天、船舶、石油等行业。

AICHELIN, founded in 1868, with headquarter near Vienna, Austria. It is a company focusing on the development and innovation of heat treatment technology and processes. After 150+ years of experience in heat treatment of metal materials, it has become an internationally renowned heat treatment system equipment supplier. There are 10 subsidiaries located in Europe, Asia, and America, covering 3 major global business units: industrial furnace solutions, combustion technology and global services. AICHELIN dedicated to providing high-quality products to global customers and sharing its global advanced technologies and supply chain resources.

As a subsidiary of AICHELIN Group in China: AICHELIN Heat Treatment Systems (Beijing) Co., Ltd. was established in 2005. Based on its predecessor, AICHELIN Industrial Furnace Engineering Beijing Co., Ltd. (founded in 1993), it has fully dominated the R&D, manufacturing, installation, commissioning, and after-sales service of industrial furnaces in China and has gradually formed a unique style of customized R&D and manufacturing. 1800+ set(s) of low-energy, clean and intelligent flexible heat treatment equipment are provided to local and abroad customers. They are widely used in automotive, gears, bearings, machinery, railroad, aviation, aerospace, shipping, petroleum and other industries.



AICHELIN Ges.m.b.H
Fabriksgasse 3
A-2340 Mödling, Austria
Phone: +43(2236)23 646-0
Telefax: +43(2236)22 229
E-mail: marketing@aichelin.com
www.aichelin.com

爱协林热处理系统（北京）有限公司

地址：北京市昌平区北七家镇未来科学城南区未来中心G座8层
传真：010-5081 5997
总机：010-5081 5998
销售热线：010-5081 5959
邮箱：China.Sales@aichelin.com

www.aichelin.com.cn