

ATLAS[®] 2.0

气氛炉模块化平台标准产品ATLAS 2.0



超高性价比

High value with highly competitive price

涵盖目标行业所有热处理工艺所需功能

Covers all the functions of heat treating applications for target industry

交货时间短

Very short delivery time

服务响应迅速，配件供应及时

Fast service response, high parts availability



24小时客户服务电话 7×24 Hours Customer Care Hotline

400-920-2271



采用新的淬火油槽和炉门设计，继承并发扬第一代ATLAS的成熟技术与设计经验，新一代国产化气氛炉——ATLAS 2.0全新面世。用于在可控保护气氛下对工件进行各种热处理，包括淬火、渗碳、碳氮共渗、光亮退火等。

Ipsen is setting new standards in quality with the ATLAS 2.0 atmosphere line, which delivers intelligent interfaces, advanced controls and ease of integration. ATLAS 2.0 is strengthening its advantages in quenching, carburizing, carbonitriding and bright annealing, etc.

传承易普森70年成熟的工业炉设计、制造经验，针对目标行业客户需求精准选型，代表行业最高标准，智能控制，便于维护，节约能耗，体积紧凑，交货时间短，配件货源充足，服务快速响应等特点的模块化平台产品，必将为客户创造更大的价值。Carb-o-Prof®控制系统，TurboQuench™等多种创新技术的应用，我们不仅在提升科技水准，我们也在为未来创造无限可能。

Based on 70 years of proven furnaces and technologies, targeted on the specific industry with predefined options, represented the leading technologies and quality, with advantages of intuitive control, easy maintenance, high energy efficiency, compact footprint, shorter delivery time, high parts availability, fast response time, the modularized platform products, will make greater benefits to the customers. With innovative technologies, such as Carb-o-Prof®, TurboQuench™, we are not just refining technologies - we are optimizing and innovating to expand the possibilities.

产品亮点 ATLAS At-A-Glance

- 可与现有气氛炉生产线配套（包括其他厂家气氛炉）
Ability to integrate into existing atmosphere furnace lines (any brand)*
- Carb-o-Prof®全智能化计算机精确控制
Intelligent controls with predictive process capabilities – Carb-o-Prof®
- 体积紧凑
Compact footprint
- 均匀的淬火能力，最低的变形量，高品质的保证
Uniform quenching, resulting in minimized distortion and high part quality
- 专利一体式氧化锆氧探头（德国进口），测量精确无延迟
Ipsen's patented and fully integrated ZrO2 oxygen sensor is highly accurate with no delay in response time
- 全新的炉门设计。源自美国易普森的炉门设计，更简单可靠的拉紧机构，更少的保养需求
New furnace door design. Simpler and more reliable tightening structure designed by Ipsen USA, thus requires less maintenance
- 配备多种安全机构及保护功能。如安全氮气保护，加热室超温保护，工件保护，工件动作报警，传送链互锁功能，淬火油超温保护及炉门火帘互锁功能等
Safety nitrogen protection, over-temperature protection for heating chamber, load protection, load movement alert, in-furnace chains interlock, quench oil over-temperature protection, flame curtain interlock, etc



- 独有的分体设计的碳化硅导流罩、马弗侧板、炉拱和炉底板，提升炉温均匀性和气氛均匀性
Unique sectional silicon carbide (SiC) guide sleeve and hearth plate increase furnace temperature uniformity

卓越的性能 Exceptional Performance - Turbo Quench™

易普森美国设计的Turbo Quench™导流结构，显著减少形变，提高表面和心部硬度均匀性。可选5.5KW变频搅拌电机，10,000L容积油槽。Turbo Quench™ oil-quenching systems reduce distortion, improve the properties of steel and consistently achieve uniform surface and core hardening. With an option of 5.5KW oil circulation motors with VFD, and an option of 10,000L oil bath.



紧凑的炉体结构 Compact furnace structure

电控柜等部件与炉壳一体设计。工厂内全面调试后，整体运输交付客户。无须二次接线。大大降低客户现场安装调试时间，维护也更加简便。

Electrical cabinets are integrated on the furnace housing. After complete tests in our workshop, the full assembly will be delivered to the end users site without secondary wiring. This significantly reduces on-site I&C time, as well as ensures maintenance much simpler.

技术参数 Technical Specification:

炉膛有效尺寸 Max. load dimensions (W×L×H)	760×1220×760 mm(L); 910×1220×910 mm(XL)
最大装载毛重 Max. load weight capacity	1000 kg(L); 1500 kg(XL)
进/出料方式 Loading and unloading method.....	“RTQ”单门进出式 “RTQ”loading and unloading from 1 furnace door
气氛系统 Atmosphere & gassing system.....	氮甲醇+丙烷 Nitrogen/methanol + Propane
淬火油槽容积 Oil bath volume.....	7000 L (可选 9000 L)(L); 8000 L (可选10000 L)(XL)
加热方式 Type of heating.....	电加热 Electrical heating
工作温度范围 Operating temperature range.....	750 C to 1000 C
工作区温度均匀性 Temperature uniformity	±5K according to DIN 17052
炉子控制方式 Mode of furnace control	PLC / Carb-o-Prof
淬火油温度控制范围 Control range of oil bath temperature.....	60 C to 150 C

选配选项 Options:

Turbo Quench 8,000L淬火油槽+5.5KW变频搅拌电机 8,000L oil bath+ 5.5KW VFD agitators
 Turbo Quench 10,000L淬火油槽+5.5KW变频搅拌电机 10,000L oil bath+ 5.5KW VFD agitators

移动式油清理系统 Mobile oil filtration system

氨气支路 Ammonia line

强制气体冷却功能 Forced atmosphere cooling

标准维修平台 Maintenance platform

炉门排烟罩 Exhaust hood of furnace door

易普森提供淬火油换热器 Ipsen provides quenching oil heat exchanger

淬火油槽 10,000L Oil bath volume 10,000L



Carb-o-Prof®全智能化计算机精确控制

Carb-o-Prof® – Intuitive Controls

Carb-o-Prof®工艺控制软件，集合70年热处理智慧与经验于一身。它提供丰富的工艺方案，各种省时且低成本的仿真功能，还具备能保证获得最佳工件质量的自适应控制功能。Carb-o-Prof® control software combines seven decades of knowledge and expertise in a single control system. Carb-o-Prof delivers an extensive recipe database, time- and cost-saving simulation functions with C-Profile optimization and adaptive control that ensures you get the best part quality every time.

PdMetrics® 软件平台——物联网与大数据技术的融合

The Convergence of the Internet of Things and Big Data

可选PdMetrics®预防性维护系统，能够实现对关键部件的实时监控，为设备提供前瞻性的维护，预见并合理计划停炉时间，是全面优化设备的运行，提升设备品质的保证。

PdMetrics® could realize real-time furnace visibility of the key components, optimizing operations with predictive maintenance, and anticipate and plan furnace downtime, thus it is a guarantee of good quality for our products.



国产炉型，国内专业服务 Manufactured and Serviced in China

核心部件从Ipsen德国进口，Ipsen上海本地制造。交货时间更短。全炉出厂前均做好冷调，热调。此外，我们专业的现场服务和售后支持网络，为您提供配件、维修、培训等全方位的保障。

The ALTAS 2.0 is manufactured in China with key parts imported from Ipsen Germany, so the lead time is even shorter. All furnaces will be fulfilled with cold test and hot test before delivered. And our extensive Field service and ICS Support network provide full furnace support, including parts, service, training and more.

传承历史， 共赢未来 About Ipsen

优异的产品源于创新。近70年的热处理经验，选择易普森意味着选择成功。

At Ipsen, we believe that innovation drives excellence. With nearly 70 years of thermal processing experience, no company can make your ideas a reality better than Ipsen.

始于1948年，易普森一直致力于热处理技术和工艺的创新和发展，逐步成为世界领先的热处理设备供应商，热处理技术的领导者。我们在欧洲、美洲和亚洲等34个国家设有生产基地及办事机构，为全球客户提供高质量的产品，并为全球已安装的超过10000套设备提供全面的服务与技术支持。

易普森国际集团全资子公司，易普森工业炉（上海）有限公司于1994年正式成立。公司主要产品有周期式及连续式可控气氛渗碳/碳氮共渗淬火炉、气体渗氮/氮碳共渗炉；真空气淬/油淬炉、真空渗碳炉、预抽真空渗氮炉、真空回火炉、真空退火炉、真空钎焊炉、真空烧结炉、真空涂铝炉等。在航空航天、汽车、商业热处理、能源、医疗和工模具等领域，我们用最好的技术和服 务，携手客户，共创辉煌。

Since 1948, Ipsen has been inventing and evolving new technologies and heat treatment processes, as well as designing and manufacturing industrial atmosphere furnaces, vacuum furnaces, continuous furnaces and supervisory control systems. With production locations in Europe, America and Asia, along with representations in 34 countries, Ipsen delivers quality products and keeps more than 10000 installed furnaces up and running with technical support all over the world.

As the wholly-owned subsidiary of Ipsen International GmbH, Ipsen China's products include vacuum furnaces, batch and continuous controlled atmosphere furnaces. Ipsen helps customers to succeed in industries such as Aerospace, Automotive, Commercial Heat Treating, Energy, Medical and Tool and Die with customized technology and service. Choosing Ipsen means choosing a partner in success.



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