

凯利燃烧机 为您的效率保驾护航！

Maximize Energy Efficiency with Career Burners
Precision Engineered for Your Success!

佛山市顺德区智博燃烧机制造有限公司

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Career[®] 凯利燃烧机
since 1994



匠心造 · 智未来

Crafting Excellence · Shaping the Future



ISO9001:2015



Authorized distributor

专注燃烧器创新 我们的探索从未停止

Burner innovation
Our exploration has never stopped

1994^年

成立时间
Founded

300000⁺

点亮了企业和家庭超
Light up over



智博燃烧机制造有限公司旗下品牌凯利，专注工业燃烧技术30年。
Career, a brand under ZhiBo Burner Manufacturing Co., Ltd., specializes in industrial combustion technology with 30 years of expertise.



企业愿景：以绿色科技驱动工业热能革命，为全球客户提供高效、低碳的燃烧解决方案。
Powering the industrial thermal energy revolution through green technology, providing global clients with efficient and low-carbon combustion solutions.



总部：中国广东省佛山市顺德区

核心能力：

燃烧机研发、制造、服务一体化

丹佛斯签约经销商及严选欧洲知名热工品牌配件，从源头保障产品安全与稳定性能

ISO 9001认证企业

整合权威第三方检测认证资源

Headquarters: Shunde District, Foshan City, China

Core Competencies:

R&D, Manufacturing, and Service Integration

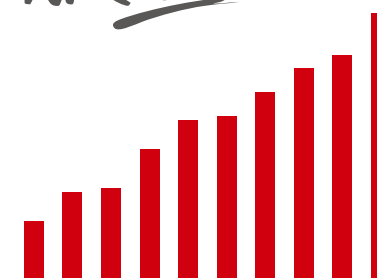
Authorized Danfoss distributor & By rigorously selecting components from leading European thermal engineering brands, we ensure product safety and stable performance from the source.

ISO 9001 Certified

Integrate accredited third-party testing and certification resources.

Serving the country

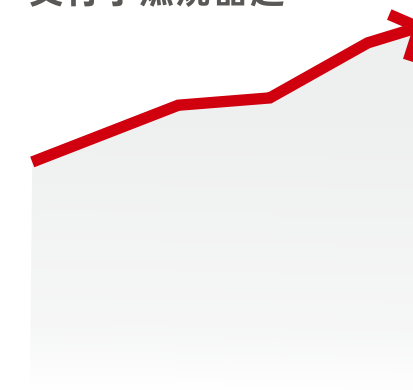
50⁺
服务国家



Delivery burner

258000⁺

交付了燃烧器超



凯利燃烧机品牌历程

专注工业热能技术30年

驱动全球低碳革命

Career Burner History

30 Years of Industrial Thermal Innovation,
Powering a Low-Carbon Future

● 1992 | 起源 · 立足全球贸易

里程碑

在香港成立南华贸易公司，开启全球燃烧器贸易业务，搭建国际供应链网络。
在广州设立大南机电电器经营部，正式进军中国大陆市场，奠定本土化服务基础。

● 1994 | 诞生 · 专注燃烧技术

里程碑

创立天南燃烧机制造有限公司（后更名“智博燃烧机”），总部落地佛山—中国陶瓷产业核心区，聚焦工业燃烧技术研发。

● 1996-1999 | 整合 · 聚焦核心业务

战略调整

注销大南机电经营部，成立宏发机电经营部，整合资源专注燃烧器制造与技术服务。

市场影响

年产能突破8,000台，成为华南地区头部燃烧器供应商。

● 2000 | 跃升 · 国际品牌合作

里程碑

成为丹佛斯（Danfoss）燃烧器产品在中国区（含港澳）签约经销商，引入欧洲先进燃烧技术。
与西门子、霍尼韦尔、卡尔冬斯建立战略合作，布局全球供应链。

全球化布局

拓展东南亚OEM客户。

● 2003-2005 | 创新 · 技术升级

产能扩张

购置佛山8亩工业用地，建成半自动化生产线，产能提升至月均1500台。

品牌升级

正式更名“智博燃烧机制造有限公司”，确立“智能燃烧技术”核心战略。

● 2006-2010 | 突破 · 全球认证与市场拓展

品牌认证

注册CAREER®商标，开启自主品牌全球化征程。
2007年：参股上海焱晶燃烧设备检测有限公司，通过战略合作强化质量管控与认证体系。

市场扩张

中东与俄罗斯市场突破，OEM合作客户增至50+家。

● 2012-2015 | 革新 · 低碳技术研发

产能升级

扩建佛山生产基地至15,600平方米。

技术里程碑

2013年：推出MX燃气管道燃烧器。
2015年：发布BX分体式烧咀系列，搭载行业领先的1:40超宽动态调节比技术。

● 2019-至今 | 领航 · 超低排放时

技术巅峰

推出NX低氮FGR燃气燃烧器系列，NOx排放<30mg/Nm³，较传统机型降低60%，获中国特种设备型式试验认证。

● 1992 | Origins · Global Trade Foundations

Milestone

Established Nanhua Trading Company in Hong Kong, laying the groundwork for global burner trade and international supply chain networks.
Founded Danan Electromechanical Trading Department in Guangzhou, marking the entry into mainland China's market and local service infrastructure.

● 1994 | Birth · Focus on Combustion Milestones

Launched TianNan Burner Manufacturing Co., Ltd. (later renamed "ZhiBo Burner"), headquartered in Foshan—China's ceramic industry hub—to pioneer industrial combustion R&D.

● 1996-1999 | Consolidation · Core Business Refinement Strategic

Dissolved Danan Electromechanical Trading Department and established Hongfa Electromechanical Trading Department, consolidating resources to focus on burner manufacturing and technical services.

Market

Annual production capacity exceeded 8,000 units, becoming a leading burner supplier in Southern China.

● 2000 | Leaping · International

Milestone

Authorized distributor of Danfoss Burner series Products in China (incl Hongkong&Macao),integrating European combustion technologies.
Formed strategic alliances with Siemens, Honeywell, and Kanthal, expanding global supply chain capabilities.

Global Expansion

Secured OEM partnerships in Southeast Asia.

● 2003-2005 | Innovation · Technology Upgrade Capacity

Capacity

Acquired an 8-acre industrial site in Foshan, establishing a semi automated production line with a monthly output of 1500 units.

Brand

Rebranded as ZhiBo Burner Manufacturing Co., Ltd., solidifying its focus on "smart combustion technology.

● 2006-2010 | Breakthrough · Global Certification & Market Growth Brand

Brand

Registered the CAREER® trademark, launching a global independent brand strategy.
2007: Acquired a stake in Shanghai Yanjing Combustion Equipment Testing Co., Ltd., strengthening quality control and certification systems through strategic collaboration.

Market

Penetrated Middle Eastern and Russian markets, growing OEM partnerships to 50+ clients.

● 2012-2015 | Revolution · Low-Carbon R&D Capacit

Capacit

Expanded Foshan production base to 15,600 sq.m

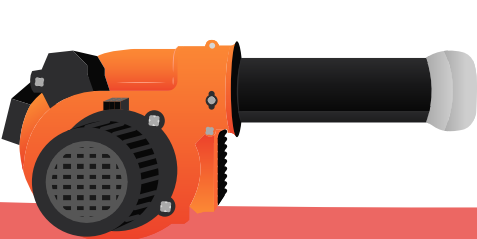
Technical

2013: Launched MX Gas Duct Burner.
2015: Launched the BX Split-Type Burner Series, featuring an industry-leading 1:40 ultra-wide dynamic modulation ratio.

● 2019-Now | Leadership · Ultra-Low Emissions Era Technological

Technological

Released NX Low-NOx FGR Gas Burner Series, slashing NOx emissions to <30mg/Nm³ (60% lower than traditional models) and certified by China Special Equipment Type Test.



Flexible Custom Services: Enhancing Your Market Competitiveness



性能调校: 针对特定工况优化燃烧效率与热输出曲线, 确保设备在极端环境下稳定运行。



外观定制: 支持壳体颜色 (Pantone色卡)、表面工艺 (磨砂/镜面) 及结构造型定制, 匹配客户品牌视觉系统。



物流网络: 支持DDP/DAP条款, 关键市场7日到达。

Performance Tuning: Optimize combustion efficiency and thermal output curves for specific operating conditions, ensuring stable performance in extreme environments.



Appearance Customization:Housing color (Pantone color chart), surface finish (matte/glossy), and structural design customization to align with client brand identity.

Logistics Network: DDP/DAP terms supported, with 7-day delivery to key global markets.

用创新守护未来，为可持续发展的社会而贡献力量！

产品覆盖

Product Portfolio

天然气/液化石油气

定位：
环保严控场景的智能燃烧系统优化解决方案

核心优势：

-  **超低排放设计：**符合国际严苛环保标准，显著降低污染物排放。
-  **智能动态调控：**实时优化燃烧参数，确保高效稳定运行。
-  **全场景覆盖：**灵活适配工业、商业及区域供热需求，温控精准可靠。

应用场景：
食品加工 | 区域供热 | 高温工业



柴油

定位：
高兼容性燃油动力核心

核心优势：

-  **燃油兼容性：**支持柴油、煤油、Bio10生物柴油（含10%生物质成分），适配复杂燃料条件。
-  **极端环境运行：**专为高海拔（海拔5000米）、偏远地区及-40℃至50℃严苛气候设计
-  **低维护设计：**模块化结构+抗劣化涂层，维护周期延长至4000小时。

应用场景：
离网供电 | 油田动力 | 应急保障

Natural Gas & LPG

Positioning:
Intelligent Combustion for Emission-Sensitive Environments

Key Advantages:

-  **Ultra-Low Emission Design:** Complies with stringent international environmental standards, significantly reducing pollutant emissions.
-  **Intelligent Dynamic Control:** Real-time optimization of combustion parameters ensures efficient and stable operation.
-  **Full-Scenario Adaptability:** Flexible integration for industrial, commercial, and district heating needs with precise temperature control.

Applications:
Food Processing | District Heating | High-Temperature Industrial Processes



Diesel

Positioning:
High-Compatibility Fuel Power Core

Key Advantages:

-  **Fuel Compatibility:** Supports diesel, kerosene, and Bio10 biodiesel (10% bio-component), adaptable to complex fuel conditions.
-  **Extreme Environment Operation:** Designed for high-altitude (5,000 meters), remote areas, and harsh climates (-40℃ to 50℃).
-  **Low-Maintenance Design:** Modular structure with anti-degradation coating extends maintenance intervals to 4,000 hours.

Applications:
Off-Grid Power Supply | Oil Field Operations | Emergency Energy Supply

废油

定位：
再生能源技术先锋

核心优势：

- 多元废油适配：支持地沟油、轮胎油、机油等废油燃烧，热值回收率行业领先。
- 长效自清洁系统：内置旋流过滤技术，杂质处理周期延长至2000小时。
- 低成本改造：兼容客户自有空压机系统，降低初期投入。

应用场景：
餐饮废油回收 | 工业废能利用 | 市政环保项目

Waste Oil

Positioning:
Renewable Energy Pioneer

Key Advantages:

- Multi-Waste Oil Adaptability: Efficiently burns waste oils (e.g., grease, tire oil, motor oil) with industry-leading heat recovery rates.
- Long-Lasting Self-Cleaning System: Built-in cyclone filtration technology extends impurity treatment cycles to 2,000 hours.
- Cost-Effective Retrofit: Compatible with customer-provided air compressor systems, reducing initial investment.

Applications:
Restaurant Waste Oil Recycling | Industrial Waste Energy Utilization | Municipal Environmental Projects

甲醇

定位：
低碳清洁能源创新者

核心优势：

- 耐腐蚀供油系统：采用专用电磁泵，抗甲醇腐蚀设计，确保长期稳定供油。
- 宽燃料适应性：高效燃烧低热值醇基燃料（如甲醇、乙醇）。
- 零硫清洁燃烧：无硫氧化物排放，颗粒物生成量显著低于传统燃油。

应用场景：
炉灶 | 化工供能 | 新能源储能

Methanol

Positioning:
Low-Carbon Energy Innovator

Key Advantages:

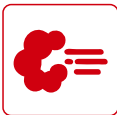
- Corrosion-Resistant Fuel System: Equipped with a dedicated electromagnetic pump for methanol resistance, ensuring stable long-term fuel supply.
- Broad Fuel Adaptability: Efficient combustion of low-calorific alcohol-based fuels (e.g., methanol, ethanol).
- Zero-Sulfur Clean Combustion: Eliminates sulfur oxide emissions and significantly reduces particulate matter generation.

Applications:
Stove | Chemical Industry Energy Supply | New Energy Storage Solutions



NX超低氮燃气系列

NX Ultra-Low NOx Gas Burner Series



超低排放



智能调节



高效节能



OEM支持

应用场景

食品加工工业：用于蒸汽发生器精准控温(±1°C)，确保干燥、杀菌过程高效且环保。
区域供热系统：适用于医院、学校等公共场所，保障室内空气质量符合健康标准。
环保严控区：欧盟、北美、东南亚等排放管制严格的工业区。

核心优势：

超低排放：NOx < 30mg/m³，较传统机型降低60%以上。
智能调节：电子连续调节技术，负荷响应时间≤3秒。
高效节能：热效率达93.7%，燃气消耗成本降低25%
OEM支持：支持FGR（烟气再循环）模块定制，适配不同锅炉系统。

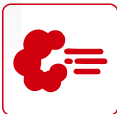


Applications:

Food Processing: Precision temperature control (±1°C) for steam generators, improving drying and sterilization.
District Heating Systems: Hospitals, schools, and public facilities ensuring indoor air quality meets standards.

Key Advantages:

Ultra-Low Emissions: NOx < 30 mg/m³, 60% lower than traditional models.
Intelligent Modulation: Electronic continuous modulation technology with ≤3-second load response time.
High Efficiency & Energy Savings: Achieves 93.7% thermal efficiency, reducing gas consumption costs by 25%.
OEM Support: Customizable FGR (Flue Gas Recirculation) modules compatible with various boiler systems.



Ultra-Low Emissions



Intelligent Modulation



Energy-Efficient



OEM Support

NX超低氮燃气系列 NX Ultra-Low NOx GasBurner Series			NXQEF-1.4	NXQEF-3.0
天然气耗气量	Natural gas max consumption	m³/hr	70-140	140-330
输出热功率	Burner thermal output	kw	650-1200	1200-3500
燃料压力	Pressure	kpa	3-6	10
Nox排放	Nox emission	mg/m³	<30	<30
控制模式	Control Mode	-	电子连续调节 Electronic Modulation	电子连续调节 Electronic Modulation
额定功率(电压/频率)	Rated Power (Voltage/Frequency)	kw	2.2(380V/50Hz)	5.5(380V/50Hz)
包装尺寸	Packaging size	mm	1500*900*1280	1780*1180*1360
净量	Weight	kg	185	270

实测数据支撑：
中国特种设备检测研究院型式试验证书编号：
证书编号：TSX B1000120190475



多功率覆盖



全球电压兼容



Wide Power Range



Global Voltage Compatibility

应用场景

工业锅炉：化工、制药行业高温反应釜供热，适配GX60-2至GX500-M型号。
酒店供暖：GX5/GX12A小型机满足客房恒温需求，静音运行不扰客。

核心优势：

多功率覆盖：0.09kW微型机至18.5kW大型机，适配全场景需求。
全球电压兼容：220V/380V多规格，无缝适配东南亚电网。

Applications:

Industrial Boilers:
Providing heat for high-temperature reactors in chemical and pharmaceutical industries, compatible with models from GX60-2 to GX500-M.
Hotel Heating:
Compact units GX5/GX12A ensure constant temperature control for guest rooms, featuring silent operation to avoid disturbance.

Key Advantages:

Wide Power Range: Covers 0.09kW micro units to 18.5kW large units, meeting diverse application needs.
Global Voltage Compatibility: Supports 220V/380V multi-specifications, seamlessly adapting to Southeast Asian power grids.

小型机（30-400kw）：酒店、小型工厂



GX燃气系列 GX Gas Burner Series	天然气耗气量	输出热功率	燃料压力	控制模式	额定功率 (电压/频率)	包装尺寸	净量
	Natural gas max consumption	Burner thermal output	Pressure	Control Mode	Rated Power (Voltage /Frequen)	Packaging size	Weight
	m ³ /hr	kw	kpa	-	kw	mm	kg
GX5	3.0-6.0	30.1-58.0	3-6	开关式 ON/OFF	0.09 (220V/50Hz)	430*374* 350	12
GX12A	4.0-13.9	41.0-139.3	3-6	开关式 ON/OFF	0.18 (220V/50Hz)	490*375* 350	14
GX12A-M	1.17-16.2	4.7-144	3-6	机械连续调节 Mechanical Modulation	0.18 (220V/50Hz)	490*375* 350	15
GX16	7.0-18.5	69.0-185.7	3-6	开关式 ON/OFF	0.18 (220V/50Hz)	560*452* 360	18
GX16-2	7.0-18.5	69.0-185.7	3-6	二段火 Two-Stage	0.18 (220V/50Hz)	560*452* 360	19.5
GX20	6.0-23.2	69.0-232.2	3-6	开关式 ON/OFF	0.18 (220V/50Hz)	620*450* 320	20
GX20-2	6.0-23.2	69.0-232.2	3-6	二段火 Two-Stage	0.18 (220V/50Hz)	620*450* 320	20
GX25	12.0-25.0	118.4-348.3	3-6	开关式 ON/OFF	0.25 (220V/50Hz)	630*525* 350	21
GX25-2	12.0-25.0	118.4-348.3	3-6	二段火 Two-Stage	0.25 (220V/50Hz)	630*525* 350	21
GX30	6.0-34.8	69.9-348.3	3-6	开关式 ON/OFF	0.25 (220V/50Hz)	715*490* 460	24
GX30-2	6.0-34.8	69.9-348.3	3-6	二段火 Two-Stage	0.25 (220V/50Hz)	715x490* 460	24
GX35	19.0-40.6	188.1-406.3	3-6	开关式 ON/OFF	0.37 (380V/50Hz)	870*520* 415	30
GX35-2	19.0-40.6	188.1-406.3	3-6	二段火 Two-Stage	0.37 (380V/50Hz)	870*520* 415	30

中型机（180-2000kw）：从化工反应釜恒温供热到区域集中供暖系统，功率灵活适配，满足中型设备高效、稳定供能需求



GX燃气系列 GX Gas Burner Series	天然气耗气量	输出热功率	燃料压力	控制模式	额定功率 (电压/频率)	包装尺寸	净量
	Natural gas max consumption	Burner thermal output	Pressure	Control Mode	Rated Power (Voltage /Frequen)	Packaging size	Weight
	m³/hr	kw	kpa	-	kw	mm	kg
GX45	19.0-52.2	188.1-522.5	3-6	开关式 ON/OFF	0.55 (380V/50Hz)	1140*580*490	33
GX45-2	19.0-52.2	188.1-522.5	3-6	二段火 Two-Stage	0.55 (380V/50Hz)	1140*580*490	35
GX60	25.0-69.6	247.3-696.6	3-6	开关式 ON/OFF	0.55 (380V/50Hz)	1140*580*490	18
GX60-2	25.0-69.6	247.3-696.6	3-6	二段火 Two-Stage	0.55 (380V/50Hz)	1140*580*490	57
GX100-2	34.8-116.1	348.3-1161.1	3-6	二段火 Two-Stage	1.5 (380V/50Hz)	1380*840*640	102
GX120-2	49.8-139.3	498.1-1393.3	3-6	二段火 Two-Stage	3 (380V/50Hz)	1380*840*640	102
GX150-2	40-142.9	360-1400	3-6	二段火 Two-Stage	3 (380V/50Hz)	1500*1200*1130	120
GX200-2	59-220	590-2000	10	渐进式两段调节 Progressive two-stage adjustment	3 (380V/50Hz)	1500*1200*1130	120

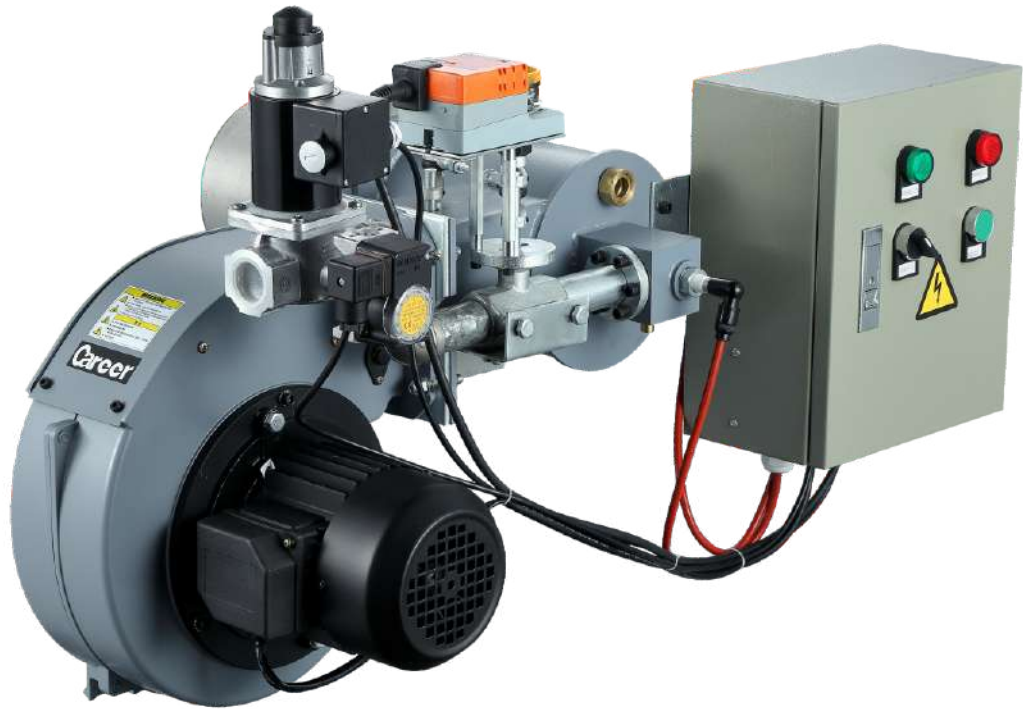
实测数据支撑 |Test Data Validation:
中国特种设备检测研究院型式试验证书编号: Type Test Certificate issued by China Special Equipment Inspection and Research Institute:

大型机（900-7000kw）：超大功率搭配渐进式两段调节，瞬时响应峰值负载，轻松驾驭钢铁冶炼、大型锅炉等高能耗场景



GX燃气系列 GX Gas Burner Series	天然气耗气量	输出热功率	燃料压力	控制模式	额定功率 (电压/频率)	包装尺寸	净量
	Natural gas max consumption	Burner thermal output	Pressure	Control Mode	Rated Power (Voltage /Frequen)	Packaging size	Weight
	m³/hr	kw	kpa	-	kw	mm	kg
GX350-M	340	920-3500	20-40	机械连续调节 Mechanical Modulation	9 (380V/50Hz)	1950*1330*1130	150
GX350-M	340	920-3500	20-40	电子连续调节 Electronic Modulation	9 (380V/50Hz)	1950*1330*1130	150
GX350-M	300	500-4300	10-15	渐进式两段调节 Progressive two-stage adjustment	9 (380V/50Hz)	1950*1330*1130	150
GX500-M	380	800-5000	15-20	渐进式两段调节 Progressive two-stage adjustment	15 (380V/50Hz)	1950*1330*1130	150
GX700	380	1300-7000	20-40	渐进式两段调节 Progressive two-stage adjustment	18.5 (380V/50Hz)	1950*1330*1130	150
GX700	380	1300-7000	15-20	渐进式两段调节 Progressive two-stage adjustment	18.5 (380V/50Hz)	1950*1330*1130	150

证书编号/Certificate No.:TSXB1000120170575、TSXB1000120170576、TSXB1000120170726



超宽动态调节



智能能效守护

应用场景

用于许多需要清洁燃烧和高降压的工业直接燃烧应用。它们简单而多功能，适用于各种加热应用，如烤箱和烘干机中的空气加热，油漆整理线，造纸和纺织机械，食品烘干机，咖啡烘焙机，谷物烘干机和烟雾焚烧炉。
小型工厂：BX20/BX30为纺织、塑料加工提供稳定热源。

核心优势：

超宽动态调节——1:40行业先进技术调节比，覆盖微火稳燃至猛火强供全场景，摆脱多设备切换困扰；
智能能效守护——追踪燃料/空气配比，动态热效率波动 < ±2%，告别传统燃烧机“大马拉小车”能耗痛点。



Applications:

Ideal for scenarios requiring clean combustion and high-pressure drop, these systems are simple yet versatile, suitable for various heating applications, such as: Air heating in ovens and dryers, Paint finishing lines Paper and textile machinery Food dryers, coffee roasters, grain dryers, and smoke incinerators.
Small-Scale Factories: Models BX20/BX30 deliver a stable heat source for textile and plastic processing.

Key Advantages:

Ultra-Wide Dynamic Modulation: Industry-leading 1:40 modulation ratio covers scenarios from low-flame stability to high-intensity supply, eliminating the need for multiple device switching.
Smart Efficiency Guardian: Tracking of fuel/air ratios ensures dynamic thermal efficiency fluctuation <±2%, overcoming the energy waste of traditional burners ("large horse pulling a small cart").



Smart Efficiency Guardian



1:40 Modulation

BX燃气系列 BX Gas Burner series			BX20	BX30	BX60
天然气耗气量	Natural gas max consumption	m³/hr	0.55-23.0	0.75-34.8	0.95-69.6
输出热功率	Burner thermal output	kw	5.3-232.2	7.4-348.3	9.3-696
燃料压力	Pressure	kpa	3-6	3-6	3-6
控制模式	Control Mode	-	机械连续调节 Mechanical Modulation	机械连续调节 Mechanical Modulation	机械连续调节 Mechanical Modulation
额定功率(电压/频率)	Rated Power (Voltage/Frequency)	kw	0.37(220V/50Hz)	0.37(220V/50Hz)	0.55(380V/50Hz)
包装尺寸	Packaging size	mm	800*400*650	800*400*650	1040*620*570
净量	Weight	kg	40	40	60

Test Data Validation:
Type Test Certificate issued by China Special Equipment Inspection and Research Institute:
Certificate No.: TSX B1000120190475

CX轻柴油系列

CX Light Diesel Oil Burner Series

应用场景：

商用厨房 | 工业加热 | 住宅供热

适配场景：餐饮后厨高效烹饪、食品加工产线恒温控制、区域供热系统等

设计容量：0.75~35.00 GPH（加仑/小时），覆盖住宅、商业及工业级能源需求

核心优势：

极端环境可靠运行

温度适应性：适应-20℃至60℃环境温度，85%湿度环境下稳定运行，适配冷库、高海拔等严苛场景

智能比例调节技术

灵活控制：支持手动及自动比例调节，热效率波动极小，显著提升能效

爆炒模式：火力瞬达142kW，响应时间≤2秒（传统机型≥5秒），满足中式烹饪瞬时高温需求

高效节能系统

液压风门优化：低负荷阶段风门开度智能匹配，综合热效率提升22%，燃气成本降低15%

多燃料兼容：适配轻柴油、生物柴油（B10），碳排放减少30%



极端环境可靠运行
Extreme Environment
Operation



智能比例调节技术
Smart Proportion
Tech



高效节能系统
Efficient
Energy Saver

CX轻柴油系列 CX Light Diesel oil Burner series	耗油量	输出热功率	压力	喷嘴	控制模式	额定功率 (电压/频率)	包装尺寸	净量
	Oil consumption	Burner thermal output	Pressure	Nozzle	Control Mode	Rated Power (Voltage /Frequen)	Packaging size	Weight
	kg/hr	kw	bar	US gal/hr	-	kw	mm	kg
CX5	2.0-5.6	24-66	10	0.75	开关式 ON/OFF	0.09 (220V/50Hz)	430*375*350	12
CX10A	5.0-10.0	59-119	10	1.75	开关式 ON/OFF	0.09 (220V/50Hz)	440*350*260	10
CX10	5.0-10.0	59-119	10	1.75	开关式 ON/OFF	0.18 (220V/50Hz)	480*440*345	15
CX10-2(商用厨房kitchen Stove)	5.0-10.0	59-119	10	0.65 /0.85	双段火面板调节 Two-Stage	0.18 (220V/50Hz)	360*330*500	18
CX12A	4.0-12.0	47-142	10	1.50	开关式 ON/OFF	0.18 (220V/50Hz)	430*375*350	15
CX14	7.5-14.5	89-172	10	2.50	开关式 ON/OFF	0.18 (220V/50Hz)	480*440*340	15
CX14-2	7.5-14.5	89-172	10	1.50×2	双段火 Two-Stage	0.18 (220V/50Hz)	480*440*345	17
CX20	6.0-20.0	71-237	10	3.50	开关式 ON/OFF	0.18 (220V/50Hz)	545*455*360	18
CX20-2	6.0-20.0	71-237	10	1.50/2.00	双段火 Two-Stage	0.18 (220V/50Hz)	650*475*495	21
CX26	10.0-26.0	118-308	10	4.00	开关式 ON/OFF	0.25 (220V/50Hz)	590*525*370	20

Applications:

Commercial Kitchens | Industrial Heating | Residential Heating

Adaptable Scenarios:

High-efficiency cooking in restaurant kitchens, temperature control in food processing lines, district heating systems, and more.

Design Capacity: 0.75–35.00 GPH (Gallons Per Hour), covering residential, commercial, and industrial energy demands.



Key Advantages:

Reliable Performance in Extreme Environments

Temperature Adaptability: Stable operation in environments ranging from -20°C to 60°C and 85% humidity, suitable for cold storage, high-altitude areas, and other harsh conditions.

Intelligent Proportional Modulation Technology

Flexible Control: Supports manual and automatic proportional modulation with minimal thermal efficiency fluctuation, significantly enhancing energy efficiency.

Stir-Fry Mode: Achieves instantaneous power output of 142kW with a response time of ≤2 seconds (traditional models: ≥5 seconds), meeting the rapid high-heat demands of Chinese cuisine.

High-Efficiency Energy-Saving System

Hydraulic Damper Optimization: Intelligently adjusts damper opening during low-load phases, increasing overall thermal efficiency by 22% and reducing gas costs by 15%.

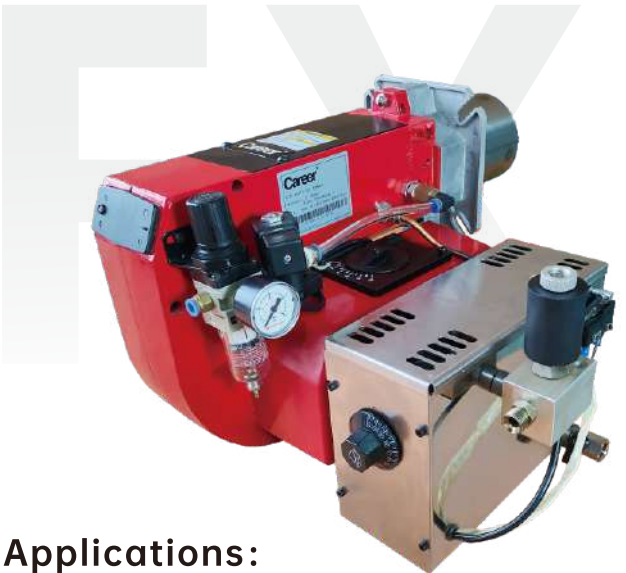
Multi-Fuel Compatibility: Compatible with light diesel,

CX轻柴油系列 CX Light Diesel oil Burner series	耗油量	输出热功率	压力	喷嘴	控制模式	额定功率 (电压/频率)	包装尺寸	净量
	Oil consumption	Burner thermal output	Pressure	Nozzle	Control Mode	Rated Power (Voltage /Frequen)	Packaging size	Weight
	kg/hr	kw	bar	US gal/hr	-	kw	mm	kg
CX26-2	10.0-26.0	118-308	10	2.25×2	双段火 Two-Stage	0.25 (220V/50Hz)	590*525*370	23
CX30	9.0-30.0	107-356	10	4.50	开关式 ON/OFF	0.25 (220V/50Hz)	650*475*495	21
CX30-2	9.0-30.0	107-356	10	2.50×2	双段火 Two-Stage	0.25 (220V/50Hz)	650*475*495	24
CX34	18.0-34.0	213-403	10	7.00	开关式 ON/OFF	0.37 (220V/50Hz)	835*525*400	33
CX34-2	18.0-34.0	213-403	10	3.50/4.00	双段火 Two-Stage	0.37 (220V/50Hz)	835*525*400	33
CX40-2	20.0-40.0	237-474	12	3.50/4.00	双段火 Two-Stage	0.55 (380V/50Hz)	1050*580*445	36
CX55-2	28.0-55.0	332-652	12	5.00/7.00	双段火 Two-Stage	1.1 (380V/50Hz)	1220*720*520	37
CX75-2	40.0-75.0	474-889	12	6.00/9.00	双段火 Two-Stage	1.5 (380V/50Hz)	1380*860*660	109
CX100-2	45-100.0	534-1186	12	9.00/12.00	双段火 Two-Stage	1.5 (380V/50Hz)	1380*860*660	112
CX120-2	60.0-120.0	708-1416	12	10.00/13.00	开关式 ON/OFF	2.2 (380V/50Hz)	1380*860*660	112

*1L/hr = 0.264 US gal/hr | 1kW = 860 kcal/h | 1 bar = 100 kPa * 若某型号支持多电压: 0.55 kW (220V/380V 50Hz)

FX废油系列

FX Waste Oil Burner Series



Applications:
Restaurant Waste Oil Recycling: Converts waste cooking oil into thermal energy for kitchen hot water supply (heat recovery rate ≥85%).
Industrial Waste Oil Combustion: Efficiently burns tire pyrolysis oil and engine oil, with thermal power ranging from 50 to 230 kW.

Key Advantages:
Renewable Energy Technology: Achieves ≥92% heat value utilization from waste oils.
Dual-Nozzle Design: The FX20 uses dual-nozzle air atomization, enhancing combustion stability by 50%.

应用场景：
餐饮废油处理：将地沟油转化为热能，用于厨房热水供应（热回收率≥85%）。
工业废油利用：轮胎油、机油高效燃烧，热功率覆盖50-230kW。
核心优势：
再生能源技术：废油热值利用率≥92%。
双喷嘴设计：FX20采用双喷嘴空气雾化，燃烧稳定性提升50%。



再生能源技术
Renewable Energy
Technology



双喷嘴设计
Dual-Nozzle Design



FX废油系列 FX WASTE OIL SERIES			FX10A		FX20	
耗油量	Oil consumption	kg/hr	2-10		2-20	
输出热功率	Burner thermal output	kw	24-119		24-237	
压力	Pressure	bar	2		2	
喷嘴	Nozzle	us gal/hr	3.3		3.3×2	
控制模式	Control Mode	-	开关式 ON/OFF		开关式 ON/OFF	
额定功率(电压/频率)	Rated Power (Voltage/Frequency)	kw	0.09	220V/50Hz	0.18	220V/50Hz
包装尺寸	Packaging size	mm	480*440*345		600*52*36	
净量	Weight	kg	12		18	

DX甲醇系列

DX Methanol Burner Series



应用场景：
甲醇燃烧器是一种专门为燃烧甲醇而设计的燃烧器，甲醇是一种低排放源的清洁燃料。提供稳定的燃烧效果，低维护。容量范围从50-170kw。

Applications:
Specially designed for methanol combustion—a clean fuel with low emissions. Offers stable combustion performance and low maintenance, with a capacity range of 50-170 kW.



稳定燃烧
Stable combustion



清洁低排
Clean and low emission



DX甲醇系列 DX Methanol Burner Series			DX10-2	
耗油量	Oil consumption	kg/hr	5-10	
输出热功率	Burner thermal output	kw	59-119	
压力	Pressure	bar	7	
喷嘴	Nozzle	us gal/hr	3.00×2	
控制模式	Control Mode	-	双段火 Two-Stage	
额定功率(电压/频率)	Rated Power (Voltage/Frequency)	kw	0.12	220V/50Hz
包装尺寸	Packaging size	mm	480*440*345	
净量	Weight	kg	10	

创新守护未来 助力可持续发展

Innovation protects the future
and promotes sustainable development

我们用创新守护未来，为实现可持续发展的社会而贡献力量!智博秉持“创新成就、员工成长、诚信务实、和谐共赢”的企业核心价值观和“守正经营、尊重员工、持续发展、回馈社会”的企业社会责任方针，积极追求企业经济增长与社会责任的有机统一。

Zhibo adheres to the core values of "Innovation and achievement, employee growth, integrity and pragmatism, harmony and win-win" and the corporate social responsibility policy of "Honest operation, respect for employees, sustainable development, and feedback to society", and actively pursues the organic unity of corporate economic growth and social responsibility.

选择指南

Selection Guide

01

按需求复杂度

简单场景：开关式控制
动态调节：电子连续调节

By Complexity

Basic needs: ON/OFF Control
Dynamic adjustments: Electronic Modulation

02

按环境条件

恶劣工况：机械连续调节
高精度场景：电子连续调节

By Environment

Harsh conditions: Mechanical Modulation
High precision: Electronic Modulation

03

按预算与维护

低成本优先：开关式
/双段火控制

By Budget & Maintenance

Low upfront cost: ON/OFF or Two-Stage Control
Long-term investment: Progressive or Electronic Control



如何选择

How to Choose



机械连续调节

适用场景： 需要无级调节的中型设备

核心优势：

平滑输出： 通过机械阀门连续调节燃料流量，功率输出无级变化，避免热冲击。

耐用性强： 机械结构稳定，适合粉尘、震动等恶劣环境（如工业烘干机、油田锅炉）。

用户价值：

“像调节水龙头一样自如，功率随需而变，稳定耐用。”

Mechanical Modulation

Ideal for: Medium-duty equipment requiring stepless adjustment

Key Benefits:

Smooth Output: Continuous fuel flow adjustment via mechanical valves for seamless power transitions, avoiding thermal shocks.

Durability: Robust mechanical design thrives in harsh environments (e.g., industrial dryers, oilfield boilers).

User Value:

“Adjust power like a water faucet—effortless and reliable.”



电子连续调节

适用场景： 高精度供能需求

核心优势：

精准控制： 基于传感器实时优化空燃比，热效率波动 $\leq \pm 1\%$ ，温控精度达 $\pm 0.5^{\circ}\text{C}$ 。

智能节能： 自动匹配负载需求，综合能耗降低15%-20%（如精密食品加工、实验室供热）。

用户价值：

“如同智能空调，自动感知环境，精准控温又省电。”

Electronic Modulation

Ideal for: High-precision energy supply

Key Benefits:

Precision Control: Real-time air-fuel ratio optimization via sensors, achieving thermal efficiency fluctuation $\leq \pm 1\%$ and temperature accuracy $\pm 0.5^{\circ}\text{C}$.

Smart Energy Savings: Auto-adjusts to load demands, cutting energy costs by 15-20% (e.g., food processing, lab heating).

User Value:

"Like a smart thermostat—automatically adapts to your needs."n—shift gears to balance power and efficiency."



开关式控制

适用场景： 基础启停需求

核心优势：

简单可靠： 一键操作，全功率开启或关闭，无需复杂设置，维护成本低。

经济高效： 适合对功率调节要求不高的场景（如小型供暖设备、备用发电机）。

用户价值：

"像电灯开关一样简单，即开即用，省心省力。"

ON/OFF Control

Ideal for: Basic start-stop applications

Key Benefits:

Simple & Reliable: Single-button operation for full-power on/off, no complex setup, low maintenance.

Cost-Effective: Perfect for scenarios with minimal power adjustment needs (e.g., small heating systems, backup generators).

User Value:

"As simple as a light switch—turn it on and forget it."



双段火控制

适用场景： 阶段性负荷调节

核心优势：

灵活节能： 支持高/低两档功率切换，低负荷时节省燃料，高负荷时快速响应。

延长寿命： 减少频繁启停对设备的损耗（如商用厨房灶具、酒店热水系统）。

用户价值：

“如同汽车的手动挡，按需切换档位，平衡效率与能耗。”

Two-Stage Control

Ideal for: Stepwise load adjustments

Key Benefits:

Flexible & Efficient: Switch between high/low power modes to save fuel during low demand and respond quickly to peak loads.

Extended Lifespan: Reduces wear from frequent startups (e.g., commercial kitchen stoves, hotel hot water systems).

User Value:

"As simple as a light switch—turn it on and forget it."



渐进式两段调节

适用场景： 需平衡灵活性与设备寿命

核心优势：

平滑过渡： 阶段切换时功率渐变，减少机械冲击，延长设备寿命30%以上。

操作便捷： 保留两段火的简单操作，同时提升舒适性（如区域供暖系统、医院蒸汽供应）。

用户价值：

“像电梯的缓启缓停，动力强劲又呵护设备。”

Progressive Two-Stage Control

Ideal for: Balancing flexibility and equipment longevity

Key Benefits:

Gradual Transitions: Smooth power shifts between stages reduce mechanical stress, extending equipment life by 30%+.

User-Friendly: Retains two-stage simplicity while enhancing comfort (e.g., district heating, hospital steam supply).

User Value:

“Like an elevator’s gentle start-stop—powerful yet protective.”