



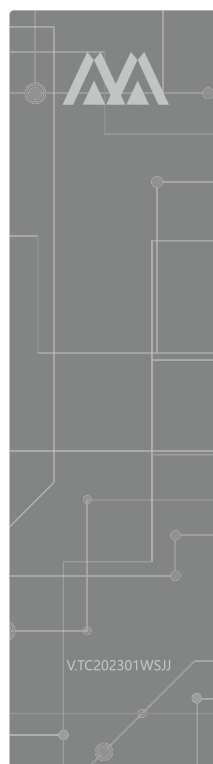
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**卫生洁具**

**SANITARY WARE**

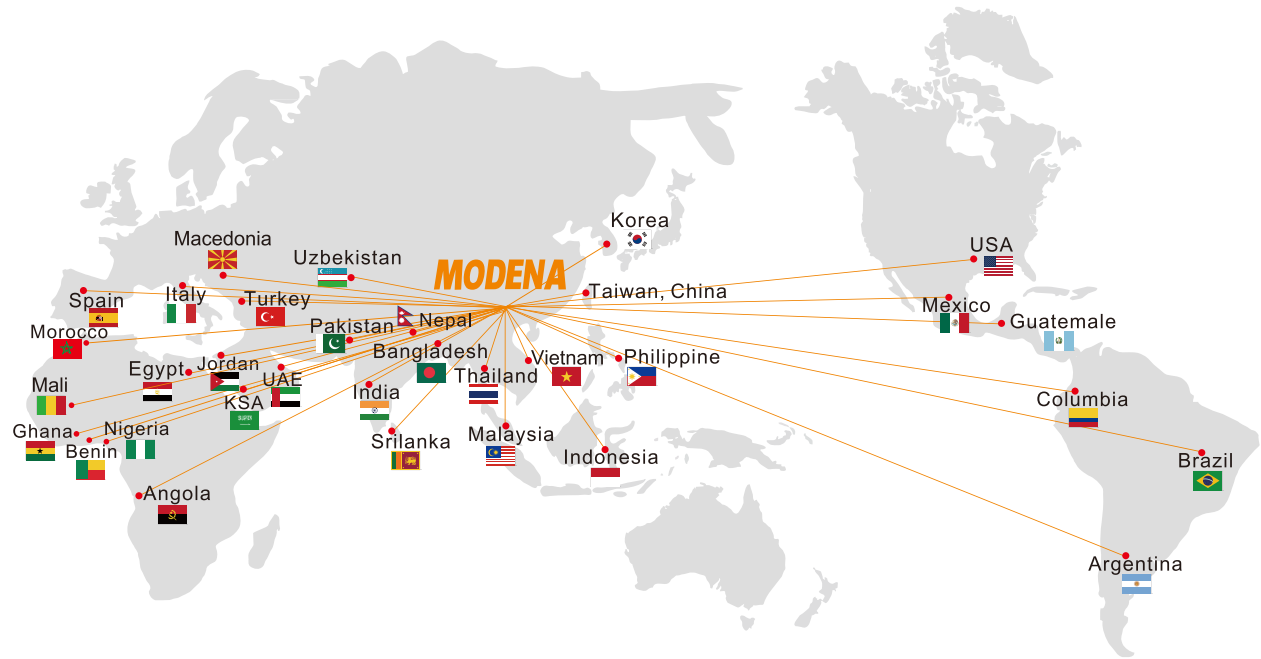
国家高新技术企业  
欧盟CE安全认证  
中国窑炉协会理事长单位  
National High-Tech Enterprise  
CE Safety Certificate of European Union  
Presidential Unit of China Kiln Association



广东摩德娜科技股份有限公司  
MODENA TECHNOLOGY LIMITED

# 来自世界各地的肯定

## APPROVAL FROM ALL OVER THE WORLD



## 炉火纯青 Mastered Fire Engineered Excellence

自成立以来，摩登娜已为海内外市场客户提供了过千条陶瓷生产线，均得到了客户的认可。数字还在继续增加中.....

More than 1,000 production lines have been successfully supplied by Modena in both domestic and overseas market and approved by the customers. And the counting still goes on ... ..







广东摩德娜科技股份有限公司（原佛山市摩德娜机械有限公司，以下简称“公司”）成立于2003年，是一家专业从事陶瓷机械设备研发、生产、销售和售后服务的高新技术企业。摩德娜是中国领先的陶瓷生产整厂设备供应商，以干燥和烧成设备为核心，同时配套施釉输送设备，带动整线成套陶瓷生产装备出口。产品除了销往全国中高端市场外，还远销印度、越南、美国、泰国、韩国、台湾地区、印尼、马来西亚、孟加拉国、巴基斯坦、土耳其、沙特阿拉伯、尼泊尔、约旦、加纳、阿联酋、埃及、墨西哥、哥伦比亚等国家和地区；为中国陶瓷机械，尤其是烧成设备在国际市场上赢得了良好的品牌和声誉，连续多年成为中国最大的窑炉和陶瓷整线生产装备出口企业。

公司国际化的专业队伍、先进的核心技术、良好的运作管理和服务、高性价比的产品，在国际市场上具有很强的竞争能力。公司始终不忘企业和社会中的责任，一直以节能减排、绿色环保为发展方向，通过节能减排技术推动行业发展和产业升级，努力推动中国陶机走向国际市场，成为世界一流的节能环保建材成套装备企业。

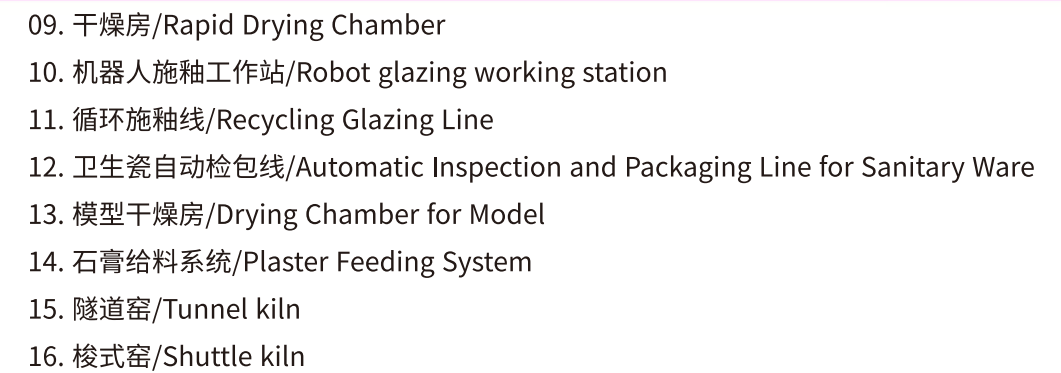


Modena Technology Limited (formerly Foshan City Modena Machinery Co., Ltd.) was founded in 2003 as a high-tech enterprise specializing in the R&D, manufacturing, sales and after-sale service of ceramic machinery and equipment. Being a leading supplier of ceramic kilns in China, our main products include drying and firing equipment, with the glazing and conveying equipment as supporting products, both of which have promoted the exports of complete plants for ceramic manufacturing. Besides the domestic middle & high-end markets, Modena also exports its products to India, Vietnam, the U.S., Thailand, Taiwan, Indonesia, Malaysia, Bangladesh, Pakistan, Turkey, Saudi Arabia, Nepal, Jordan, Ghana, the U.A.E, Egypt, Mexico, Colombia, etc. Thus we have won a reputable brand name in the international market for Chinese ceramic machinery, especially the firing equipment. We are the largest Chinese enterprise exporting kilns and complete plants for years.

The international and professional team equipped with advanced core technology, combined with excellent operational management and service as well as the cost-effective products have made Modena highly competitive in the international market. Modena has been focusing on the social responsibility, being energy-saving and green-oriented. We drive the industrial development and evolution by our energy-saving technology and we are committed to promote Chinese ceramic machinery in the international markets. Modena has now become a first-class company supplying energy-saving building materials outfits.











## MTX 卫生洁具隧道窑炉

### TX Tunnel Kiln For Sanitary Wares

摩德娜利用先进的陶瓷烧成工艺, 推出MTX超级节能隧道窑。

该隧道窑配置的IBS燃烧系统, 是特殊的内循环燃烧系统, 利用窑内1200℃左右的高温烟气在烧嘴燃烧室出口与燃气混合进行循环助燃。与传统隧道窑相比, 单位能耗可以降低20%以上, 最高可达45%的节约, 显著提高能源使用效率, 减少空气中有害物质的排放。

MTX超级节能隧道窑必将提升卫生陶瓷行业的竞争效益!

With its accumulated advanced ceramic firing technology, Modena introduces the all-new MTX super energy saving tunnel kiln.

The IBS combustion system in this tunnel kiln is the special inner recycled combustion system which make use of around 1200℃ high temperature smoke inside the kiln to proceed circulating combustion with gas at the outlet of burner combustion chamber. Compared with traditional tunnel kiln, its unit fuel consumption can reduce by 20%, maximum can reach 45%, which obviously increase energy efficiency and decrease the emission of harmful substance in the air.

MTX super energy saving tunnel kiln surely will promote the competitive benefit of sanitary ware industry!





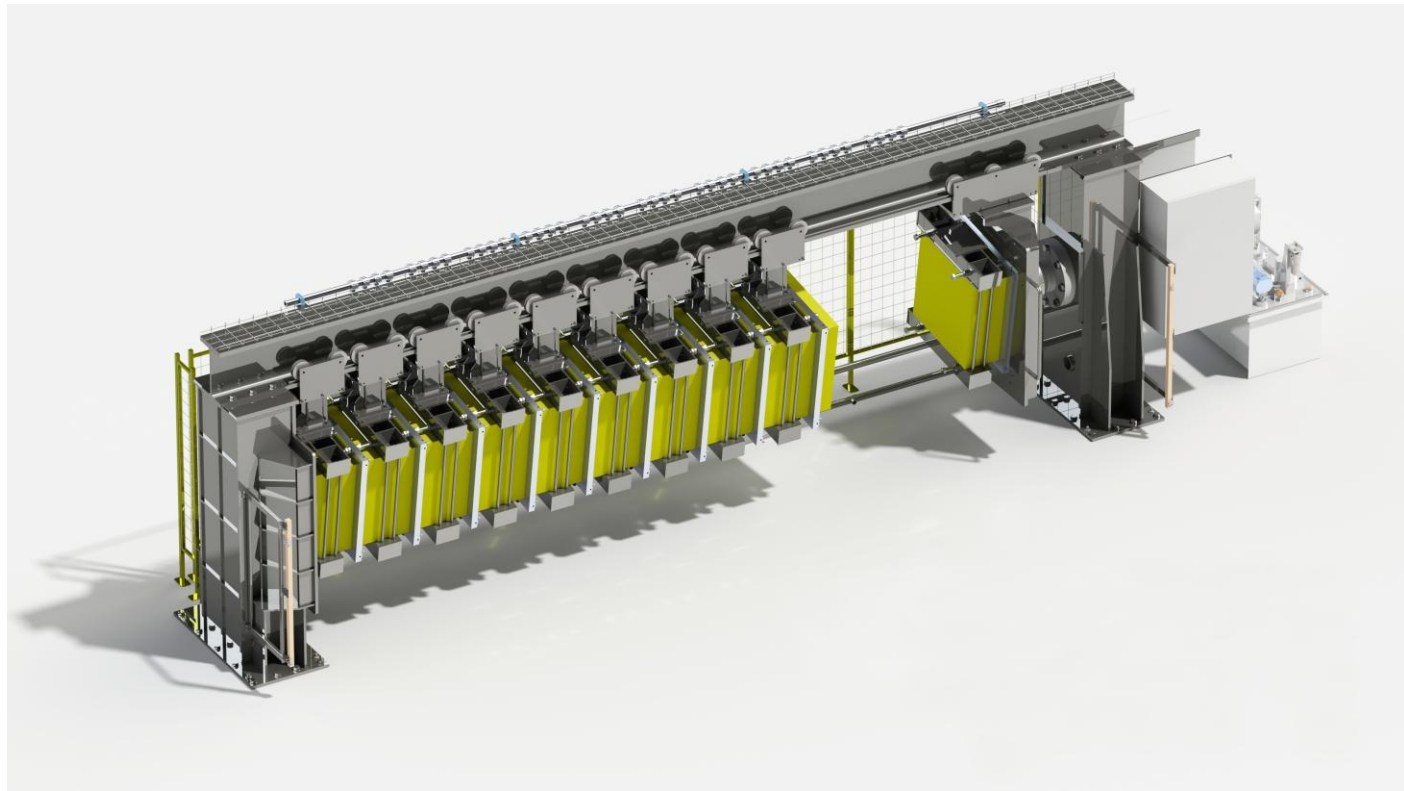
V 洗面器立浇线  
Vertical Casting &  
Forming Line For Washbasin

该机组系洗面器微压注浆一次成型立浇线，可节约作业面积50%，提高工作效率300%，经该机组生产的洗面器，成活率高、质量稳定、节能降耗，经济效益显著。

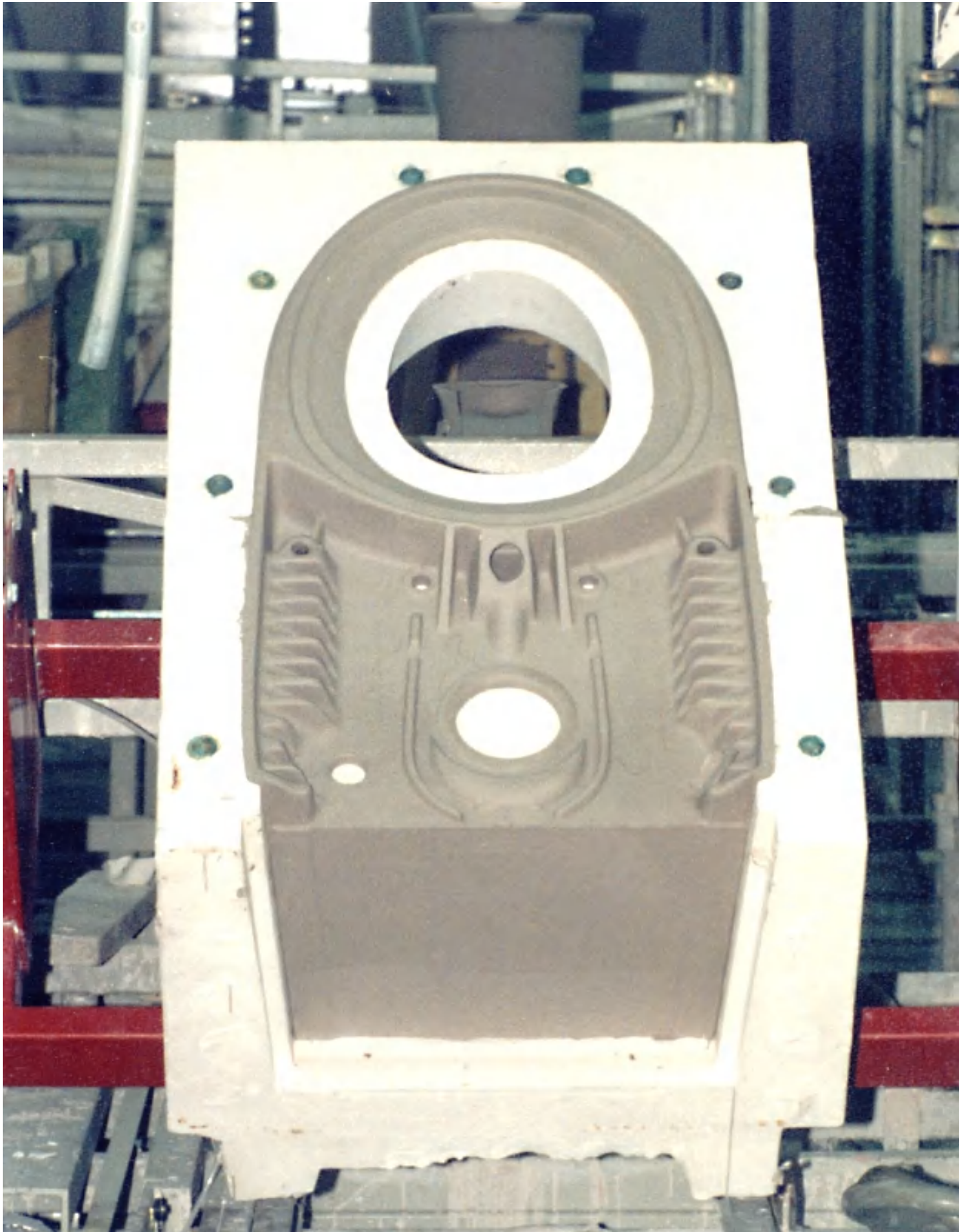
The unit is the vertical one-time casting & forming line for washbasin with micro-pressure, which could reduce the working-area about 50%, raise productivity 300%, it would produce the washbasin with the virtue of high rate of final-product, stable quality output, low energy consumption and remarkable economic benefits.

主要技术参数Main Technical Data

长度 Length	15米/15m	18米/18m	21米/21m
模型数量 Quantity of mould	30套/30sets	38套/38 sets	45套/45 sets







V 联体坐便器立浇线  
Vertical Casting & Forming Line  
For One - Piece Water Closet

联体坐便器一次成型立浇线，解决了复杂联体坐便器一次成型的技术难题，改变了注、修、粘的传统工艺，使联体坐便器一次成型工艺达到组合式一次微压成型。可节省作业面积30%，提高生产效率300%，同时大大减轻了工人的劳动强度，且成活率高、质量稳定、节能降耗，经济效益显著。

The unit provides solution to the technical problem in complex one-time forming process of one-piece water closet, not only changes the conventional forming process of casting, repairing and sticking but also up-dates the one-time forming process to the method of combinational one-time micro-press forming. The unit owns the virtue of saving 30% working-area, raising productivity 300%, reducing worker's labor strength greatly, safe, simple operation, high rate of final-production, stable-quality-output, low energy consumption, remarkable economic benefits.

主要技术参数Main Technical Data

产品类型 Production	模型数量 Quantity of mould	长度 Length
联体坐便器One - piece water closet	15 - 22套/15 - 22 sets	15米 - 21米/15m - 21m



H 高压注浆系统

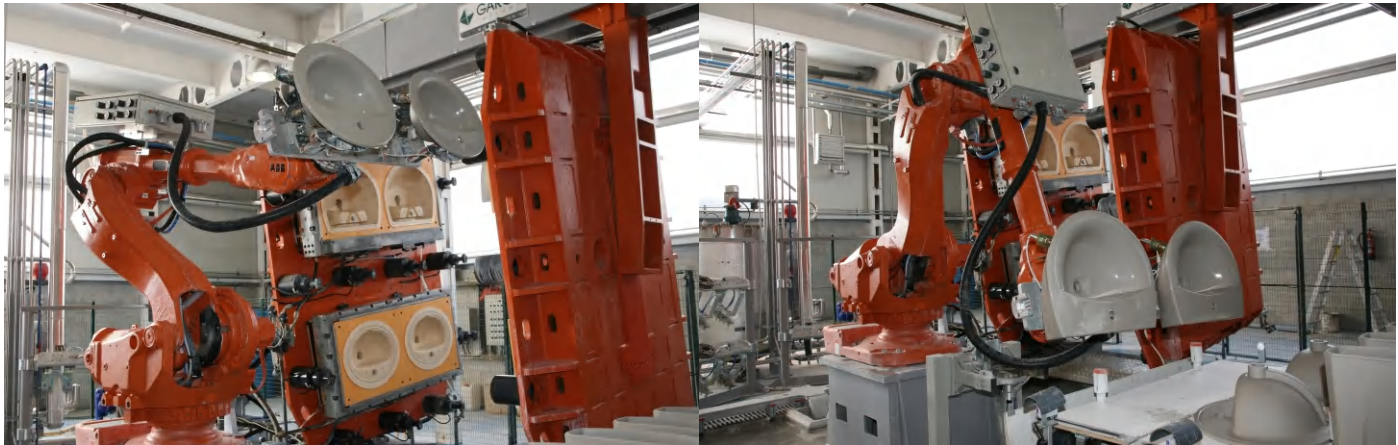
High Pressure Casting System

为了更贴合中国市场的需求，摩德娜和意大利供应商进行更为紧密的合作，将软件 and 核心部件从意大利引进，和在中国摩德娜制造的部件珠联璧合地组装起来，这样既保持了意大利设备的核心部件，也极大地降低了设备的成本，确保先进技术在中国能得到更大范围的应用。

In order to meet the requirements of Chinese market, Modena cooperate closely with Italian supplier to assemble the imported software and core components from Italy with the parts made by Modena perfectly, which not only keep core components of Italian equipments, but also greatly reduce the cost of equipments, making sure that the advanced technology can be applied in a large-scale Chinese market.

主要技术参数 Main Technical Data

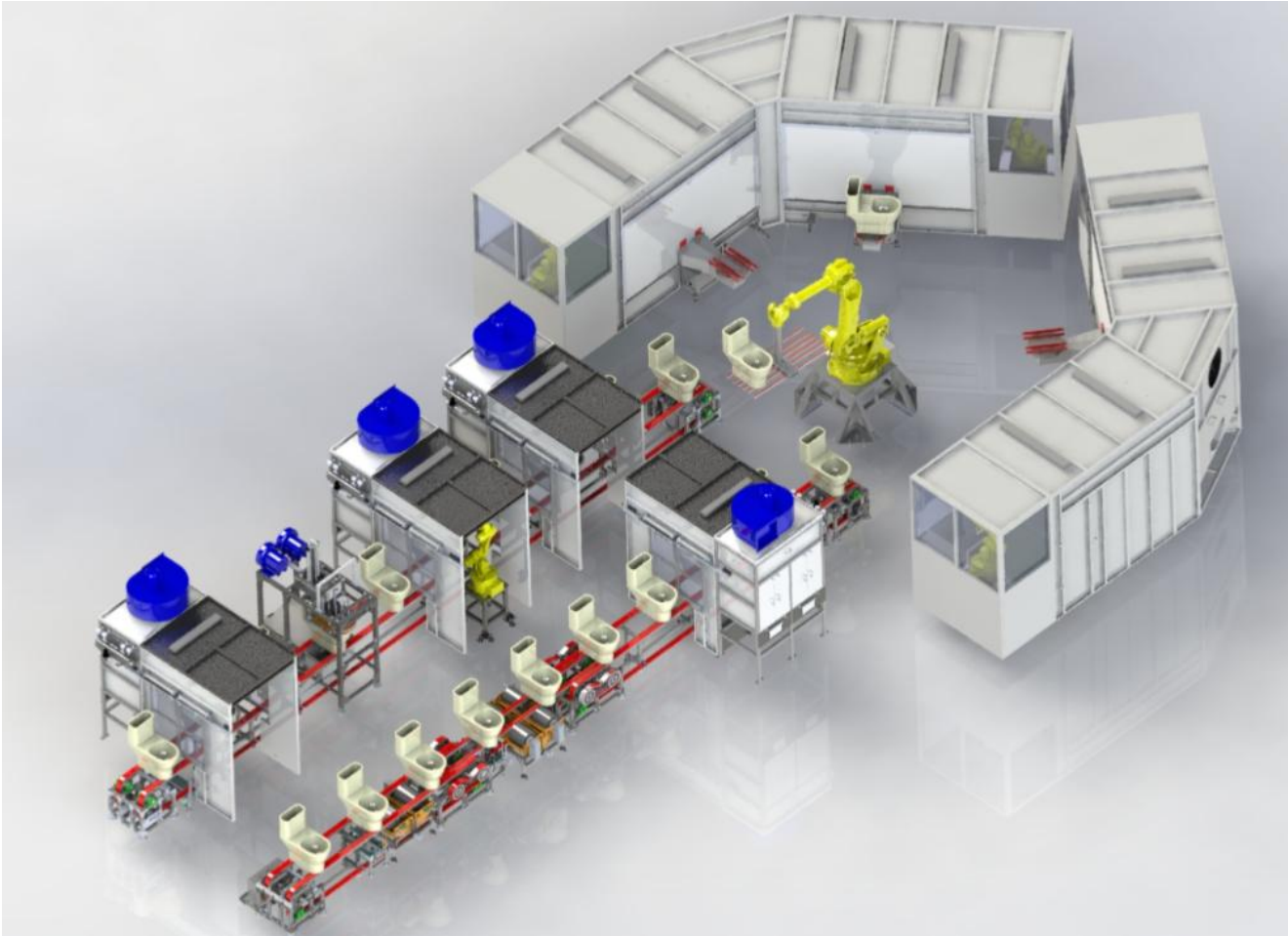
产品 Production	模具的最多数量 Max number of molds	模具的凹模数量 Number of cavities per mold	产品的平均周期 Average prod.cycle	产量/24小时 Product capacity in 24h
面盆(最大能烧50cm) Washbasin (up to 50 cm fired)	10	2	24	1.140 (*)
面盆(最大能烧70cm) Washbasin (up to 70 cm fired)	10	1	24	570 (*)
立柱 Pedestal	10	2	24	1.140 (*)
半立柱 Semi-Pedestal	10	2	24	1.140 (*)
浇注固态水箱 Lids for tanks	8	2	20	1.095 (*)
水箱盖 Solid-Cast Tank	13	3	24	2.220 (*)
(*) Machine efficiency 95% (*) 机器的效率为95%				



主要技术参数 Main Technical Data

技术特征 Technical features	打开式桶圈坐便器 Open-type Toilet	Bound-type Toilet 联体式坐便器	联体式坐便器 One-piece Toilet
型号Type	COR-4	CBR-2	COP-2
设备使用需要面积 Area required for equipments	10.0×10.0m	10.0×8.0m	10.0×10.0m
最大压力注浆 Maximum casting by pressure	15,0bar	15,0bar	15,0bar
模具数量 Quantity of moulds	4 WC	2 WC + 2 Rim	2 WC + 2 Rim
模具部件的数量 Quantity for mould components	4 ÷ 5	6 ÷ 7	7 ÷ 8
注浆周期 Casting cycle	15min	13.5min	20min
安装功率 Installpd power	15,0 kW	15,0 kW	15,0 kW
每24小时产量 Output/24h	366pcs/24h	202pcs/24h	140pcs/24h
在24小时/7天每周产量 Output/week	2.562pcs/w	1.414pcs/w	980pcs/w





R 机器人施釉工作站  
obot Glazing Working Station

机器人施釉避免施釉人员与釉料直接接触的传统施釉方式,改善了工作环境,降低了工人的劳动强度,提高了施釉效率,降低了用工成本。机器人施釉后的产品,釉面平滑,厚度均匀,质量稳定,优等品率高。

Glazing by robot can avoid the traditional glazing way which the staff directly contacts with glaze and it has greatly improved the working environment and efficiency, lowered labor intensity and cost. The finished products have the advantages of smooth surface, uniform thickness, stable quality and high rate of superior products.



主要技术参数 Main Technical Data

机器人重复定位精度 Positioning accuracy of robot	±0.06mm
工作室外形尺寸 (长×宽×高) Overall size of working station(L) × (W) × (H):	4300×3560×2550mm
喷釉周期 Cycle of glazing	Cycle of glazing 联体/One-piece water closet: 240-270s+9s
	分体/Close-coupled water closet: 180-210s+9s
	水箱及盖/Tank and cover: 120-140s+9s
	面具/Basin: 120-140s+9s (9s is the auxiliary time)
釉量转换的响应时间 Response time of spraying volume conversion	≥0. 3s



D 干燥室  
Dryer chamber

本设备主要用于陶瓷行业坯体及石膏模具的快速干燥。本机采用了先进的自动化控制和人性化的人机界面，实现了全自动恒温、恒湿，自动排潮。大大提高了坯体及石膏模具的干燥效率，降低了占地面积。

This equipment mainly used in ceramic industry fast drying green body and plaster mould .This machine adopted with advanced automatic control and user-friendly man-machine interface to achieve a fully automatic constant temperature and humidity automatic row tide, which greatly improves the drying efficiency reduce work-area.



S 梭式窑  
Shuttle Kiln

梭式窑整套设备由窑炉、自动进出窑系统、自动运转系统、窑车装卸升降平台、全自动控制系统等组成。采用脉冲和比例相结合的燃烧方式，控制系统采用欧姆龙系列PLC,工控机和触摸屏对窑炉运行进行实时监控。根据客户产品的不同需要可设置多条烧成曲线,完全实现曲线调整“一键切换”,设备运行“一键启动”和精准控温的功能。整套系统控制操作简便、控制精度高,设备运行稳定、可靠。

The complete set of shuttle kiln equipment consists of a kiln, an automatic loading&unloading system, an automatic operation system, a kiln car loading and unloading lifting platform, and a fully automatic control system. The combustion method combines pulse and proportion, and the control system uses Omron series PLC, industrial computer and touch screen to monitor the operation of the kiln in real time. Multiple firing curves can be set according to the different needs of customer products, fully realizing the functions of "one-click switching" for curve adjustment, "one-click start" for equipment operation and precise temperature control. The entire system control operation is simple, the control precision is high, and the equipment operates stably and reliably.

主要技术参数 Main Technical Data

名称 Description	容积 Volume (m3)	宽度 Width (mm)	高度 Height (mm)	烧成温度Firing temperature (°C)	烧成周期Firing period (hour)	燃料 Fuel
MSK系列 MSK series	20-200	2000-4500	1200-1800	1180-1250	16-36	LPG/NG/柴油 LPG/NG/Diesel oil







T 隧道窑  
unnel Kiln

卫生洁具隧道窑整套设备由烧成窑、干燥窑、自动运转系统、自动控制系统等组成。采用脉冲/比例多种燃烧方式,控制系统采用欧姆龙系列PLC,工控机和触摸屏对窑炉运行进行实时监控,操作简便,设备运行稳定、可靠,通过设计先进合理设计精准控温,温差小,周期短,能耗低。

The complete set of sanitary ware tunnel kiln equipment consists of a firing kiln, a drying kiln, an automatic transport system, an automatic control system, etc. Pulse/proportional multiple combustion methods are adopted. The control system uses Omron series PLC, industrial computer and touch screen to monitor the operation of the kiln in real time. It is easy to operate, and the equipment operates stably and reliably. Through advanced and reasonable design, precise temperature control is achieved, with low temperature difference and short firing cycle and low energy consumption.

主要技术参数 Main Technical Data

名称 Description	长度 Length (m)	宽度 Width (mm)	高度 Height (mm)	烧成温度Firing Temperature (°C)	烧成周期Firing cycle (h)	燃料 Fuel
MTK系列 MTK series	80-200	1800-3600	700-1100	1150-1250	12-25	LPG/NG/柴油 LPG/NG/Diesel oil





# 卫生洁具应用案例

## APPLICATION OF SANITARY WARE



卫生洁具是建筑物内水暖设备的一个重要组成部分，是供洗涤、收集和排放生活及生产中所产生污(废)水的设备。卫生洁具的材质使用最多的是陶瓷、搪瓷生铁、搪瓷钢板等。

Sanitary ware is an important part of the water heating equipment in the building, and it is the equipment for washing, collecting and discharging the dirty (waste) water generated in life and production. The most commonly used sanitary ware materials are ceramic, enamel pig iron, enamel steel plate and so on.



以客户之愿景为己任  
Your Vision Our Mission



梭式窑适用于：卫生陶瓷、日用陶瓷、电瓷、色釉料、砂轮、陶瓷辊棒、耐火材料、化工原料、陶瓷工艺品等。  
Shuttle kiln is suitable for: sanitary ceramics, daily ceramics, electric porcelain, color glaze, grinding wheel, ceramic roller, refractory materials, chemical raw materials, ceramic crafts and so on.



# 荣誉见证品质

## HONORS WITNESS QUALITY

