

SITEC



PRODUCTION SOLUTIONS FOR FUEL CELLS

燃料电池制造解决方案



GROW WITH ME CONCEPT 与您同步成长的理念

For more than 30 years, SITEC has been a globally respected system supplier for automated high-tech production systems and a partner for the series production of assemblies and precision parts. We rely on proven processes such as laser material processing and automated assembly - focused on process reliability, cost-effectiveness and energy efficiency.

SITEC grows with the challenges of its customers and the market. For many years we have been supporting customer-specific product developments and demand-optimized manufacturing for mobile and stationary fuel cells as well as electrolyzers.

From the very beginning we are your partner for the production of bipolar plates as well as further assemblies regarding the fuel cell.

30 多年来, SITEC 一直是全球自动化高科技生产系统领域的重要系统供应商, 也是组件和精密零部件批量生产的优质合作伙伴。公司多年来在激光材料加工和自动化安装方面积累了众多成功经验, 且专注于流程可靠性、经济性和能源效率。

SITEC 伴随着客户和市场要求的提高而同步成长。多年来, 公司一直为移动或固定燃料电池和电解槽的产品开发和需求优化生产提供客户定制服务。

从一开始, SITEC就是您双极板以及燃料电池相关组件的生产合作伙伴。



CERTIFICATIONS

认证

ISO 9001
ISO 14001
IATF 16949

300 EMPLOYEES

highly qualified and motivated

300名

高素质、积极进取的员工

MORE THAN 3,000

production systems supplied worldwide

全球范围内已交付3000 多套

生产系统

MORE THAN 300,000,000

delivered components and assemblies

已交付3亿多套

组件及零部件

YOUR PARTNER FOR THE PRODUCTION OF BIPOLARPLATES – FROM THE VERY BEGINNING

DEVELOPER | 研发人员

Experienced engineers support you in the product and technology development of your fuel cells and manufacture prototypes and samples.

Components and assemblies

- metallic and graphite bipolar plates
- Stack Assemblies
- Balance of Plant

- Technologies**
- | | |
|-----------|--------------|
| - Coating | - Testing |
| - Forming | - Marking |
| - Cutting | - Assembling |
| - Welding | |

由经验丰富的工程师为您提供燃料电池的产品开发和技术开发以及原型制造和样品方面的支持服务。

部件和组件

- 金属和石墨双极板
- 电堆总成
- 配套设施

- 技术工艺**
- | | |
|------|------|
| - 镀膜 | - 检测 |
| - 成型 | - 标记 |
| - 切割 | - 安装 |
| - 焊接 | |

SYSTEM SUPPLIER | 系统供应商

Demand-optimized we plan and supply scalable production systems worldwide, ranging from manual, semi-automated to fully automated.

我们在全世界范围内提供从手动、半自动化到全自动化需要优化型可扩展生产系统的规划和供应服务。



LS basic
Small to medium-sized series
中小型系列



FlexCell basic
Series production
批量生产



FlexCell Line

Large-scale production | complete turnkey solution for bipolar plates ready for installation
大规模生产 | 全套双极板交钥匙解决方案

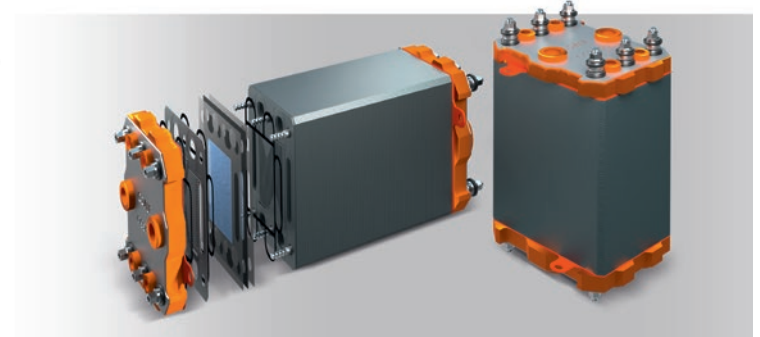
SERIES MANUFACTURER | 批量制造商

Since 2012 SITEC has been manufacturing project-specific bipolar plates (PEM, SOFC, SOEC) according to your fuel cell design – in hydrogen-based electric drives, in stationary operation of fuel cells or for electrolyzers.

- Production of samples, prototypes and pre-series for over 20 different bipolar plate designs
- Small, medium and large series production on CNC controlled laser machines
- Supplier and quality management according to IATF 16949

自 2012 年以来, SITEC 根据燃料电池产品设计 (氢基电动驱动器、燃料电池的平稳运行或电解器) 制造项目定制双极板 (PEM、SOFC、SOEC)

- 可为 20 多种不同的双极板产品制造样品、原型和试制系列。
- 使用数控激光设备进行大、中、小型系列生产
- 供应商管理和质量管理符合 IATF 16949 标准



Bipolar plate sizes up to 600 x 300 mm,
Plate thickness $\geq 0,07$ to 0,5 mm, version with or without coating
双极板尺寸最高可达 600 x 300 mm
板厚度 ≥ 0.07 至 0.5 mm, 款式分镀膜或无镀膜



Bipolar plate, structured, DMC marked, Application: mobile
结构化双极板, DMC 标记, 应用: 移动

← Bipolar plate, laser welded, Application: stationary
双极板, 激光焊接, 应用: 固定



SITEC FLEXCELL PRODUCTION SYSTEM | SITEC-FlexCell生产系统

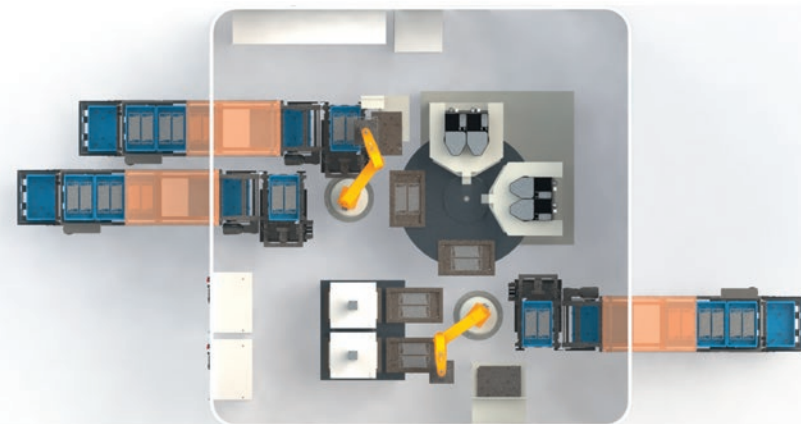
F-Cell
LEX

SITEC

WELDING	焊接
TESTING	测试
COATING	镀膜
ASSEMBLING	组装
INSPECTION	检测

- robot-based production system
- fully automatic part handling including storage
- integrated laser beam sources, optics and scanner
- exchange fixtures with intelligent clamping concept
- 100% traceability through VARIOVIEW ATC®, including MES/ERP connection

- 基于机器人的生产系统
- 全自动部件处理包括存储
- 集成激光束源、光学元件和扫描仪
- 更换装置配备智能夹紧方案
- VARIOVIEW ATC® (包括 MES/ERP连接)
确保100%可追溯性



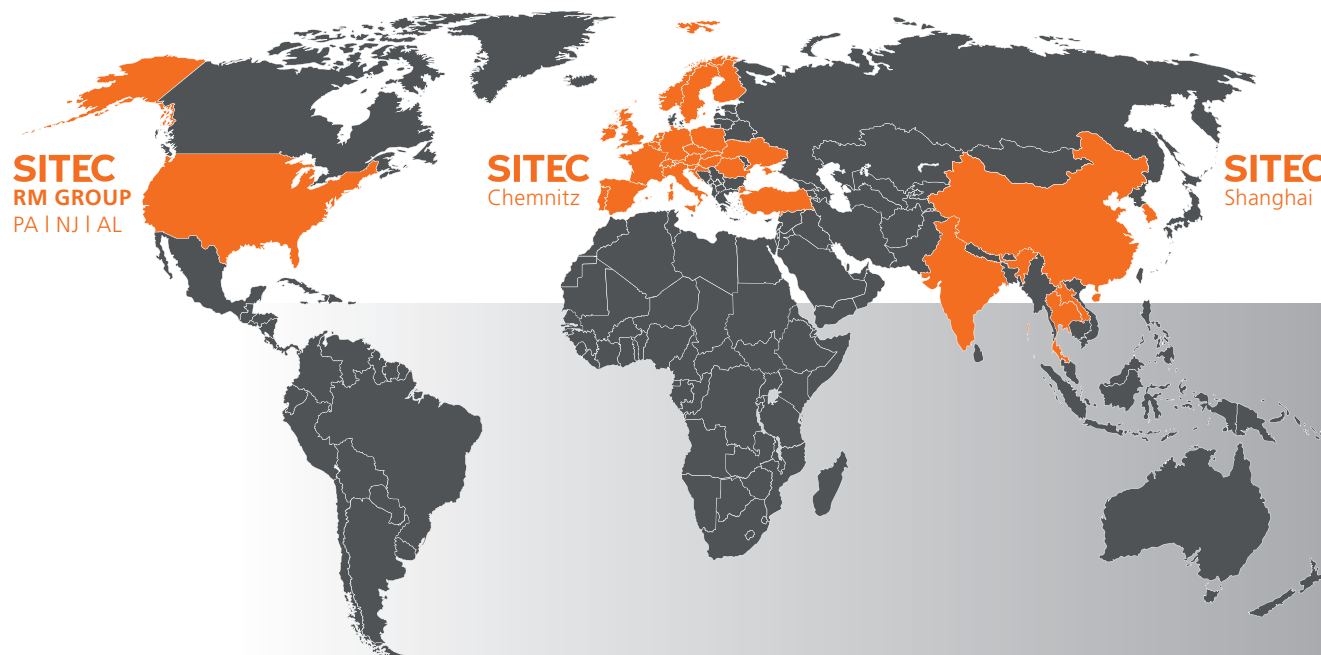
PARTNER NETWORK WORLDWIDE | 全球合作伙伴网络

MACHINERY SERIES PRODUCTION SERVICE

Our employees and partners in Europe, Asia and America are at your disposal with professionalism for development, machine and plant engineering, series production and service.

机械制造 批量生产 服务

我们在欧洲、亚洲和美洲的员工和合作伙伴在开发、机械制造和设备制造、批量生产和售后方面为您提供专业化服务。



On-call Service
电话随叫随到
服务



Remote
maintenance
远程维护



On-site service
现场服务



Spare parts
备件



Maintenance
维护



Training
Academy
进修



Process Support
过程支持



MACHINERY | SERIES PRODUCTION

机械制造 | 批量生产

SITEC Industrietechnologie GmbH
Bornaer Straße 192
09114 Chemnitz
GERMANY

www.sitec-technology.de

赛泰激光技术(上海)有限公司
浦东新区科苑路88号731B
上海, 邮编: 201203
中国

SITEC Showroom at RM Group
Center of Excellence RM Group Pittsburgh
Located at JV Manufacturing Co., Inc.
1603 Burtner Rd, Natrona Heights, PA 15065
USA

