



SDRI
启源装备

XI'AN QIYUAN MECHANICAL AND ELECTRICAL EQUIPMENT CO., LTD. 西安启源机电装备有限公司

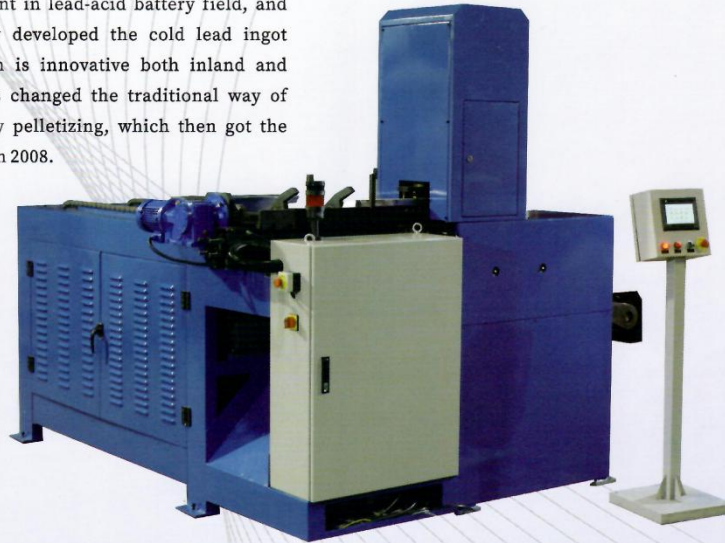
蓄电池行业 世界首创

A WORLD LEADING COMPANY IN LEAD-ACID BATTERY INDUSTRY

冷态铅锭造粒机

西安启源机电装备有限公司由原机械工业部第七设计研究院，也是全国唯一的一家蓄电池工厂专业设计院，作为主发起人设立的股份有限公司，并在2010年11月12日成功登陆创业板(股票代码: 300140)。启源装备是原机械工业部批准设立的“机械工业专用设备工程技术研究中心”，是国家级高新技术企业、陕西省企业技术中心，公司核心技术人员多次荣获省部级以上科技奖项。从2007年公司开始加大对蓄电池专用装备领域的研发投入，成功研制出在国内和世界均属首创的冷态铅锭自动造粒机，创造性地改变百年蓄电池传统的铸粒工艺，2008年获得国家发明专利。

Xi'an Qiyuan Mechanical and Electrical Equipment Co., Ltd (SDRI) is the only company that was founded by the Professional Design Institute of Battery Factory as the main sponsor in China. It became a public company in 12nd Nov, 2010 (Stock No.: 300140). SDRI is a national-level high-tech enterprise, and is the Technology Center of Enterprises in Shaanxi Province. Some of its key technical staff have won several Science-and-Technology awards on provincial and ministerial level. From 2007, our company has improved its investment into the research & development of special equipment in lead-acid battery field, and has successfully developed the cold lead ingot pelletizer, which is innovative both inland and abroad, and has changed the traditional way of lead-acid battery pelletizing, which then got the national patent in 2008.





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» 设备特点

- ☆ 无需熔化铅锭，直接冷加工成铅粒
No need to melt lead ingots, directly made into lead particles by cold-processing.
- ☆ 无铅渣
No lead slag.
- ☆ 低能耗，降低生产成本
Low energy consumption and production costs.
- ☆ 无铅烟污染，净化生产环境
No lead smoke pollution, which ensures a clean production environment.
- ☆ 免去更换熔铅锅电热管，节省日常维护费用
Free from the trouble of replacing electric heating tube of lead melting pot, which saves maintenance costs.

以每小时生产2吨铅粒为例，按照每日工作8小时、每年300天计算，传统工艺与新工艺对比：
Taking lead production 2T/h as an example (8 working hours per day, 300 days a year), comparison between the traditional method and new technique is as follows:

指标项目 Items	传统工艺 (熔铅制粒) Traditional method (lead-melting)	新工艺 (冷加工制粒) New technique (cold-processing)
环境污染 Environmental pollution	铅烟 Lead smoke	无污染 Pollution free
设备功率 Machine power	79kW	16kW
年耗电量 Yearly power consumption	79kWx8hx300d= 189600度	16kWx8hx300d=38400度
产量 Production	2T/hx 8hx 300d=4800T	2T/hx8hx 300d=4800T
铅渣 (按1%) Lead slag (1%)	48T	无铅渣 Lead slag free



设备主要参数

设备尺寸 Machine Dimensions	3650×2760×2150mm (长×宽×高)
适用铅锭规格 Machinable lead ingot specifications	铅锭截面下底约120mm，上底约80mm，高度80-85mm Cross-section base line approx. 120mm, top line approx.: 80mm, height 80-85mm
	长度620-650mm，重量50kg Length 620-650mm, Weight 50kg Length
制成铅粒规格 Completed lead pellet specifications	~23mm×23mm×20mm (80~120g)
生产效率 Production Efficiency	~2t/h
总装机功率 Total installed power	~16KW
液压系统额定压力 Pressure of hydraulic system	8MPa
气源要求 Gas source requirement	0.4MPa, 0.3m ³