



世德合金®
STABILOY®

工厂简介 (包括生产能力、设备、厂房、人员)

Factory Profile (Including Production Capacity, Equipment, Plant and Personnel)

通用(天津)铝合金产品有限公司原为世界500强加拿大铝业集团(Alcan)在华全资子公司,后被美国500强企业通用电缆集团(General Cable)全资收购,现为港澳台法人独资企业。公司坐落于天津市空港经济区,注册资金 3430万美元,项目投资9800万美元,占地面积14万平方米,于 2007年 8月奠基,2009 年第二季度投产。

General (Tianjin) Alloy Products Co., LTD., formerly a wholly-owned subsidiary of Canada Aluminum Corporate (Alcan), one of the world's top 500 companies, was later fully acquired by General Cable group (one of the top 500 companies in the United States). Now it is a sole proprietorship of HongKong, Macao and Taiwan legal persons. The company is located in Tianjin airport economic zone, which covers an area of 140,000 square meters with registered capital 34.3 million us dollars and 98 million project investment. It is launched in August 2007 and started to operate in the second quarter of 2009.

公司注册并拥有世德合金®和 STABILOY®商标,面向中国市场提供包括住宅、商业、公共建筑、新能源和工业项目用世德合金®STABILOY® 电缆产品。通过多年发展,公司销售网点及分销商渠道遍布全国 23 个省、自治区、直辖市,国内有超过5000个项目在安全应用着世德合金®STABILOY®电缆。

Registered with the 世德合金 ® and STABILOY ® brand, we provide Chinese market with 世德合金 ® STABILOY ® cables, used in residential, commercial and public buildings, new energy projects and industrial projects. Through years of development, our sales network and distributors have covered 23 provinces, autonomous regions and municipalities in China. More than 5000 domestic projects have been safely operated by using 世德合金 ® STABILOY ® cable.

公司拥有先进的生产设备。我司自建厂以来,一直坚持采用自有熔炼炉和连铸连轧设备生产 AA8030 铝合金杆,我司具有可在线多点检测的进口赛默飞光谱分析仪进行合金元素分析检测,保证我司铝杆合金元素稳定均一

。现有意大利 SAMP公司拉丝机,可实现稳定的双头拉丝,采用纳米模具,保持单丝表面光滑无毛刺。我司的加拿大ROTEQ公司双节距绞线机,其不但具备高速型线绞合能力,而且所用压辊设计于美国,在加拿大进行生产制造,具有生产高精度型线单丝的能力。针对铝合金电缆特有的导体退火工序,我司采用定制的退火炉,全程可通过电脑自动控制,不但可实现精准操控,还可以实现追溯历史数据,能够实现工艺参数精准调整。作为关键工序的绝缘和护套挤出,我司每台挤出机都配有美国 Conair烘干系统,能够对高分子原材料进行烘干。在挤出过程中,通过多台测径仪不间断工作,从而完成绝缘或护套厚度的自动控制。相比传统电缆厂的成缆设备,我司采用进口 Roteq和Gauder 设备,成缆圆整,速度快,参数稳定。作为特色工艺之一的联锁铠装,我司使用加拿大 ROTEQ 公司出品的铠装机,实现高转速联锁铠装加工。先进的生产设备是我司具有强大产能和质量可靠的有力保障。

Our company has first-class production equipment. Since the establishment of the factory, our company has always insisted on using its own smelting furnace and continuous casting and rolling equipment to produce AA8030 aluminum alloy rods. Our company has Imported Thermophile spectrum analyzer that can conduct online multi-point detection for alloy element analysis and detection, to ensure that our aluminum rod alloy elements are stable and uniform. Our company has wire drawing machine from Italian SAMP company , which can realize stable double-head wire drawing. It adopts nano mold, and is thus able to keep the surface of single wire smooth without burrs. Besides, we have Canadian ROTEQ double-pitch wire stranding machine, which not only has high-speed wire stranding capacity, but also uses special pressure roller, designed in the United States, produced in Canada, to produce high-precision single wire silk. Aiming at the special conductor annealing process of aluminum alloy cable, our company adopts customized annealing furnace, which can be automatically controlled by the computer throughout the process. It could achieve accurate control, as well as accurately adjusting the parameters involved by tracing historical data. For the key processes, namely insulation and sheath extrusion, each extruder in our company is equipped with the American Conair drying system, to dry the polymer raw materials. In the extrusion process, the automatic control of insulation or sheath thickness is accomplished through continuous work of several calipers. Compared with the cabling equipment of traditional cable plants, our company uses imported Roteq and Gauder equipment, which makes the cabling round, fast and stable.As one of the characteristic processes of interlocking armoring, the armoring machine produced by ROTEQ company of Canada is used, to realize high speed interlocking armoring processing. In brief, advanced production equipment guarantees us the strong production capacity and reliable quality.

我司专注于研发、制造、应用与产品改进。现拥有一个专业研发中心及 10 多名技术研发人员。我司研发中心投资1382万元,总面积近 200 平米,于 2014 年12月落成。以建立中国电缆行业先进优秀的研发中心为目标,中心配备了从 原材料到电缆成品全项性能的检测设备。中心除了拥有阻燃性、烟密度、 卤酸气体含量、环境耐候和常规电性能等试验能力外,还有以探索和研究电缆金具连接 性能、电缆载流量、导体蠕变测试的专业试验能力,是国内线缆行业试验能力领先的企业之一。为加强基础材料的研究工作,中心同时还引进了全球分析仪器业 界名列前茅的美国 waters(沃特士)公司材料理化性能分析设备DSC(差示扫描量热仪)和TGA(热重分析仪)。中心不仅承担着产品测试 、研发、本土化研究等工作,同时致力于搭建起一个行业共享平台,现已与天津市产品质量监督 检测技术研究院与中国电力科学研究院展开测试和科研合作。在鼓励创新的氛围 下,公司对新技术的追求永无止境,我司 申请并获得国家发明和实用新型专利 30 多个,通过创新引领,服务中国市场。

We focus on research & development, manufacture, application and product improvement. Now our company has established a professional R&D center with over 10 technical personnel. It was launched in December 2014, with 13.82 million yuan's investment and a total area of nearly 200 square meters. With the goal of building the most advanced and excellent R&D center in China's cable industry, the center is equipped with testing equipment for the whole performance of cables from raw materials to finished products. In addition to the testing capabilities of flame retardancy, smoke density, halogen acid gas content, environmental weather resistance and conventional electrical performance, the center also has professional testing capabilities of exploring and studying the connection performance of cable fittings, cable current carrying capacity and conductor creep test, and is one of the leading enterprises in the domestic cable industry. In order to strengthen the research of basic materials, the center also introduced the physical and chemical performance analysis equipment, DSC (differential scanning calorimeter) and TGA (thermogravimetric analyzer) from waters, one of the leading companies in the global analytical instrument industry. The center not only undertakes the work of product testing, research and development, localization research and etc., but is also committed to building an industry sharing platform. Now it has conducted testing and scientific research together with Tianjin Product Quality Supervision and Testing Technology Research Institute and China Electric Power Research Institute. In the atmosphere of encouraging innovation, the company's pursuit of new technology is endless. Our company has applied for and obtained more than 30 national invention and utility model patents, and serves the Chinese market by leading innovation.

公司拥有完善的管理体系,于投产之际即通过了国内知名公司的质量管理体系、环境管理体系以及职业健康和安全管理体系的认证。在质量保证系统中,公司采用 IATF 16949 的管理理念,对生产全流程,包括原材料、生产过程、终检、包装、发运等实施“产品质量控制方案”的控制。对测量系统除了常规的计量外,还进行 MSA 分析,确保测量数据的准确性。对关键生产工序采用 Cp, Cpk 过程能力分析,确保生产过程处于稳定受控状态。对顾客反馈,采用 8D 原则进行分析改进,通过 SAP 系统和电缆本体的印字对出货产品实现原材料、员工、设备、班次等全方位追溯。

The company has a perfect management system and has passed the certification of the quality management system, environmental management system and occupational health and safety management system of well-known domestic companies at the time of production. In the quality assurance system, we adopt the management concept of IATF 16949 to control the whole production process, including raw materials, production process, final inspection, packaging, shipping and other aspects of "product quality control scheme". In addition to conventional measurement, the measurement system is also analyzed by MSA to ensure the accuracy of measurement data. Besides, Cp and Cpk process analysis is taken for key production processes, to ensure that the production process is in a stable and controlled state. For customer feedback, 8D principle was adopted for analysis and improvement, and raw materials, employees, equipment, shift and other aspects of the delivered products can be traced through SAP system and printing of the cable body.