

HOISTING AND CONVEYING MACHINERY

中国机械工业联合会 主管



CONTENTS

目次

◆ 业内资讯 INFORMATION

P12 我国农机领域首个"5G+AI工业视觉质检应用"项目在中国一拖顺利运行

中工国际安全生产互查组莅临北起院中国重汽(章丘)物流 中心项目开展安全查

The CAMCE's Team of Mutual Inspection for Safety Production visits BMHRI CNHTC (Zhangqiu) Logistics Center Project to carry out safety inspection

2021年6月,正值全国第20个"安全生产月"。为进一步贯彻落实2021年"安全生产月"各项工作要求,积极推进中工国际系统内各单位安全基础工作建设,取长补短,共同提高。

June 2021 is the 20th "Work Safety Month" nationwide. In order to further implement the work requirements of the 2021 "Work Safety Month", it is necessary to actively promote the construction of basic safety work of all units in the CAMCE International System, adopt each other's strong points while overcoming weak points and make improvements jointly.



北部湾港自动化码头岸桥发运

The quay cranes of automated wharf at Beibu Gulf Port is delivered

P13 灵动科技携数款产品亮相 LogiMAT China, 近距离呈现场内物流端到端柔性解决方案

 $Forward X\ launches\ several\ products\ at\ LogiMAT\ China,\ presenting\ the\ end-to-end\ flexible\ solutions\ for\ in-field\ logistics\ at\ short\ range$

LogiMAT 现场, 灵动科技带来智慧仓库全场景解决方案, 现场演示"出入库"、"补货"、"拣选"、"分拣"等工作环节, 及多车同步调度、复杂调度等场景。

On the LogiMAT site, ForwardX brings full-scenario solutions for smart warehouses, demonstrates work processes such as "warehousing and delivery", "goods replenishment", "selection", "sorting", etc. as well as scenarios such as simultaneous multi-vehicle scheduling and complicated scheduling, etc.



河南矿山72米大跨度起重机助力简州大桥建设

The 72-meter long-span crane in Henan mine contributes to the construction of Jianzhou Bridge $\,$

海斯特 J10-18XD 大吨位电动叉车先行预告

Hyster J10-18XD large-tonnage electric forklift releases the advance notice

◆ 会议报道 | CONFERENCE REPORT

P14 2021 客运索道安全与发展高端研讨会在黄山市隆重拉开序幕 The grand openning of 2021 Advanced Passenger Ropeway Safety and Development Seminar was held in Huangshan City 2021年6月20日上午,由北京科正平工程技术检测研究院有限公司主办、黄山旅游发展股份有限公司协办的"2021客运索道安全与发展高端研讨会"在黄山市隆重开幕。来自全国索道业界的176位代表与会。会议由国家客运架空索道安全监督检验中心副主任徐伟主持。

On the morning of June 20, 2021, the grand opening the "2021 High-end Seminar on Safety and Development of Passenger Ropeways" sponsored by Beijing KZP Engineering Technology Testing Institute Co., Ltd. and co-organized by Huangshan Tourism Development Co., Ltd. took place in Huangshan. 176 representatives from the ropeway industry nationwide attended the Seminar, which was presided over by Xu Wei, Deputy Director of National Safety Supervision and Inspection Center for Passeneer Aerial Ropeways.



◆ 与企业对话 | DIALOGUE WITH ENTERPRISE

P16 励精图治十九载,凝心聚力打造起重新未来

Build a new future by making joint efforts for nineteen years



我们带着好奇,面对面地对话了法兰泰克的 董事副总经理,用他们的语言去讲述法兰泰 克的故事。我们希望用这种方式搭建一个稳 固的桥梁,让行业伙伴更加细腻地触摸到每 一个物料搬运行业企业的内核肌理,更加直 观地感受到每个企业的心跳脉动。

With curiosity, we had a face-to-face conversation with directors and deputy general managers of Eurocrane, telling the story of Eurocrane in their own language. We hope to build a solid bridge in this way so that industry partners can touch the core texture of each enterprise in material handling industry more delicately and feel the heartbeat and impulse of each enterprise more intuitively.

◆ 专栏 | COLUMN

basic framework thereof

暨召开

P20 智能工厂物流体系与智能工厂的关系以及基本框架
Relationship between the smart plant logistics system and the smart plant and the

P22 中国机械工业联合会团体标准《500kg ~ 10 000kg 平衡重式叉车产品质量等级评定规范》起草工作组会议在浙江诸

The Drafting Working Group Meeting of the group standard Quality Grade Evaluation Specifications for $500 \text{kg} \sim 10,000 \text{kg}$ Counterbalanced Forklift Products of China Machinery Industry Federation is held in Zhuji, Zhejiang

P24 两项停车设备行业标准初稿讨论会在青岛市成功召开

The seminar on the first drafts of two parking equipment industry standards is successfully held in Qingdao

P25 两项治金起重机行业标准修订版初稿讨论会在太原市召开 The seminar on the first draft of two revised metallurgical crane industry standards is

◆ 展会报道 | INTERNATIONAL EXHIBITION

P26 LogiMAT China 国际内部物流解决方案及流程管理展览会在上海圆满闭幕

LogiMAT China International Intralogistics Solutions and Process Management Exhibition comes to an end successfully in Shanghai

分析研究 | ANALYSIS RESEARCH

指令机械紧凑型卷筒轴强度计算与对比分析 */ 田海弘 刘 榛
trength calculation and comparative analysis of compact drum shaft of stage machinery/Tian Haihong, Liu Zhen 者波齿轮双圆盘波发生器设计与有限元仿真分析 */ 吴鸿雁 王玉琦 李香飞
trength calculation and comparative analysis of compact drum shaft of stage machinery/Tian Haihong, Liu Zhen 者波齿轮双圆盘波发生器设计与有限元仿真分析 */ 吴鸿雁 王玉琦 李香飞
Design and finite element simulation analysis of harmonic gear double disk wave generator/Wu Hongyan, Vang Yuqi, Li Xiangfei 已重机检验中轨距测量方法及其改进 */ 陈 虎 邱 郡
Vang Yuqi, Li Xiangfei control
己重机检验中轨距测量方法及其改进*/陈虎邱郡47
C里机位验中轨起测重力法及共议进*/除院 即
Discussion on Gauge Measurement Method in Crane Inspection/Chen Hu, Qiu Jun
设备技术 EQUIPMENT TECHNOLOGY
越野轮胎起重机带载行驶下安全控制技术的研究 / 康禹乐 李朝弟 陆阳陈
基于机器视觉技术的钢卷智能装车系统 / 孙 星 宋文宇 史纪录 哲江龙 姚天富54 ntelligent steel coil loading system based on machine vision technology/Sun Xing, Song Wenyu, Shi Jilu,
the Jianglong, Yao Tianfu
一种臂架起重机平衡重小车阶梯调节装置 / 刘 雷57
tep adjusting device for counterweight trolley of jib crane/Liu Lei
一种四绳机械抓斗起重机钢丝绳预紧的控制方法 / 赵丽媛 常中龙 李 力 张一然
Chang Zhonglong, Li Li, Zhang Yiran
双驱动起升机构用棘轮棘爪齿轮箱的实时监测系统方案*/史文杰63
teal-time monitoring system of ratchet and pawl gearbox for double drive hoisting mechanism/Shi Wenjie
ー种基于标定板的集装箱起重机 3D 激光扫描标定方法 / 李孟涛 吴 翔
D laser scanning calibration method for container crane based on calibration plate/Li Mengtao, Wu Xiang
物流自动化立体库柔性组合式存储控制系统设计及应用 / 杨黎明 李鑫70esign and application of flexible combined storage control system of automatic three-dimensional
arage for logistics/Yang Liming, Li Xin
岸边集装箱起重机平躺式托架小车缠绕系统张紧装置 / 范东风 张 砾74
ensioning device for winding system of flat tray carriage of quayside container crane/Fan Dongfeng, Zhang Li
示准法规 STANDARD REGULATION
小准i云观 STANDARD REGULATION 車类特种设备检验疑难问题探讨 / 唐艳同 张国安

Discussion on difficulties in inspection of electromechanical special equipment/Tang Yantong, Zhang Guoan