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防撞护栏安全施工作业车  
Anti collision guardrail safe construction vehicle



# 桥梁防撞护栏安全施工解决方案

SAFETY CONSTRUCTION SOLUTION OF BRIDGE ANTI-COLLISION GUARDRAIL

## 方案概述 | Solution Overview

### 设计理念 DESIGN CONCEPT

防撞护栏是桥梁上部结构的重要组成部分，其线形和外观质量也是影响桥梁美观性的重要因素。目前高架桥防撞护栏多采用施工单位自制的简易起吊设备或临时悬挑式脚手架进行施工，无法保证作业人员安全，施工效率也不高。兴土股份针对高架桥防撞护栏施工现状，专门研发了高架桥防撞护栏安全施工作业车。

The anti-collision guardrail is an important part of the bridge superstructure, and its alignment and appearance quality are also important factors affecting the bridge aesthetics. At present, the anti-collision guardrail of viaduct is mostly constructed by simple lifting equipment or temporary cantilever scaffold made by the construction company, which can not guarantee the safety of operators and the construction efficiency is not high. Xingtu bridge company has specially developed a safe construction vehicle for viaduct crash barrier according to the current situation of viaduct crash barrier construction.

### 适用环境 APPLICABLE ENVIRONMENT

适用于各类公路或高架桥防撞护栏，另外可根据桥梁实际技术参数进行定制实现落水管安装、箱梁侧墙修饰和盖梁二次张拉等多种安全施工作业。

It is suitable for all kinds of highway or viaduct anti-collision guardrail. In addition, it can be customized according to the actual technical parameters of the bridge to realize the downpipe installation, side wall decoration of box girder, secondary tension of cover girder and other safe construction operations.

### 方案优势 PROGRAM ADVANTAGE

设备的底架、过道、连接架、吊篮均为桁架结构，整体强度高、稳定性好。施工时作业人员通过过道及连接架进入吊篮，并且过道和吊篮内配有防滑踏步板，提高了施工的安全性；设备设计四个支腿，保证吊装模板时处于水平状态，让吊装更安全；设备在施工过程中能快速高效地完成模板的安装、拆卸，并通过无线遥控可实现半自动化作业；设备配备仪表控制盘，包含急停开关，电源开关，电量显示表，调速按钮，让使用更便捷。

The underframe, aisle, connecting frame and hanging basket of the equipment are all truss structures, with high overall strength and good stability. During the construction, operators enter the basket through the aisle and connecting frame, and the aisle and basket are equipped with anti-skid treads to improve the safety of the construction; the equipment is designed with four legs to ensure that the formwork is in a horizontal state when it is hoisted, so that the hoisting is more safe; the equipment can quickly and efficiently complete the installation and disassembly of the formwork in the construction process, and the semi-automatic operation can be realized through wireless remote control. The equipment is equipped with instrument control panel, including emergency stop switch, power switch, electricity meter, speed control button, making use of it more convenient.

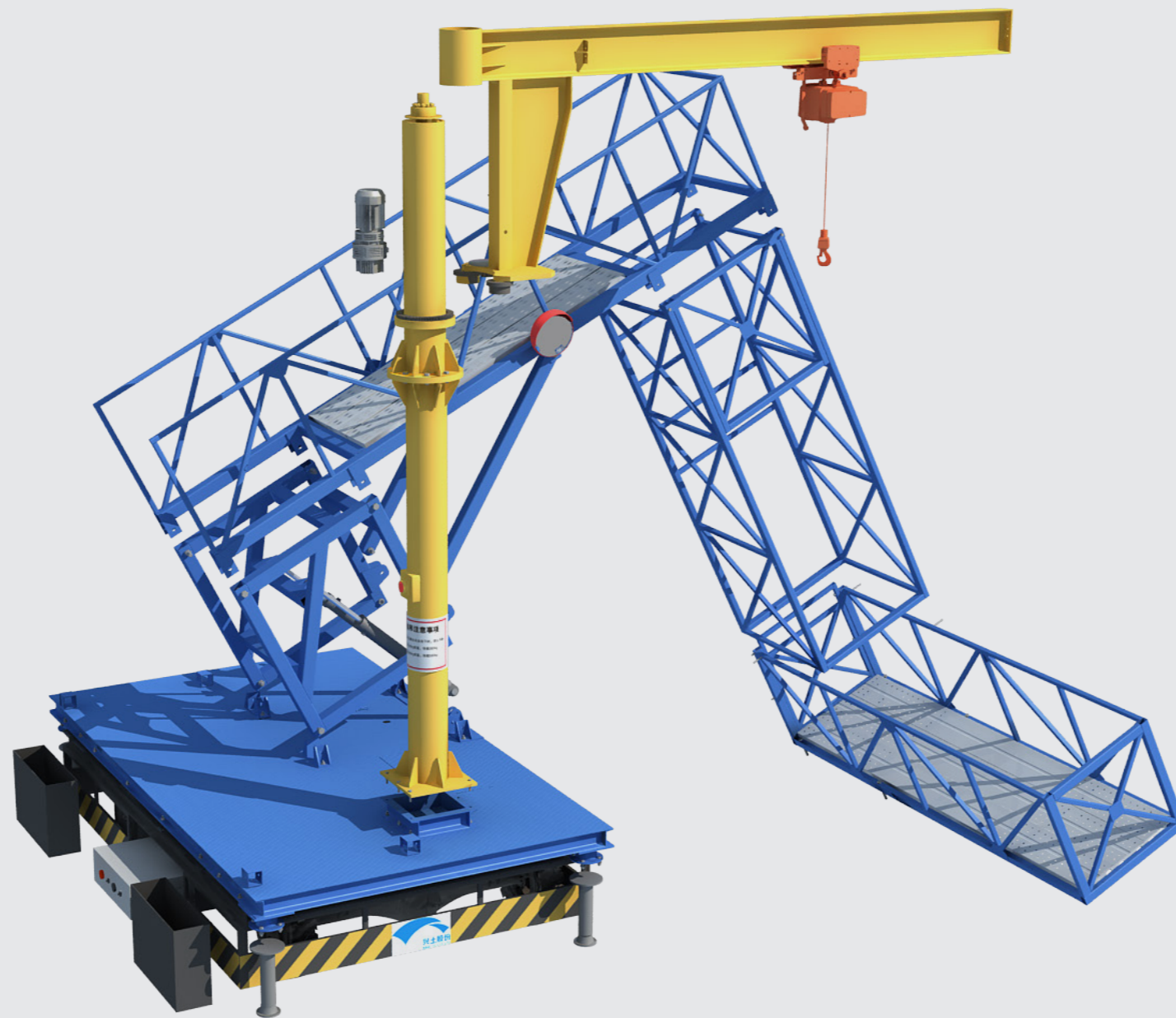
### 技术服务 TECHNICAL SERVICE

提供完善的配套售后服务，产品使用说明书与产品安装使用动画视频，在安装、调试时安排专业售后人员进行技术指导。

Provide complete after-sales service, product instructions and animated videos for product installation and use, and arrange professional after-sales personnel for technical guidance during installation and commissioning.

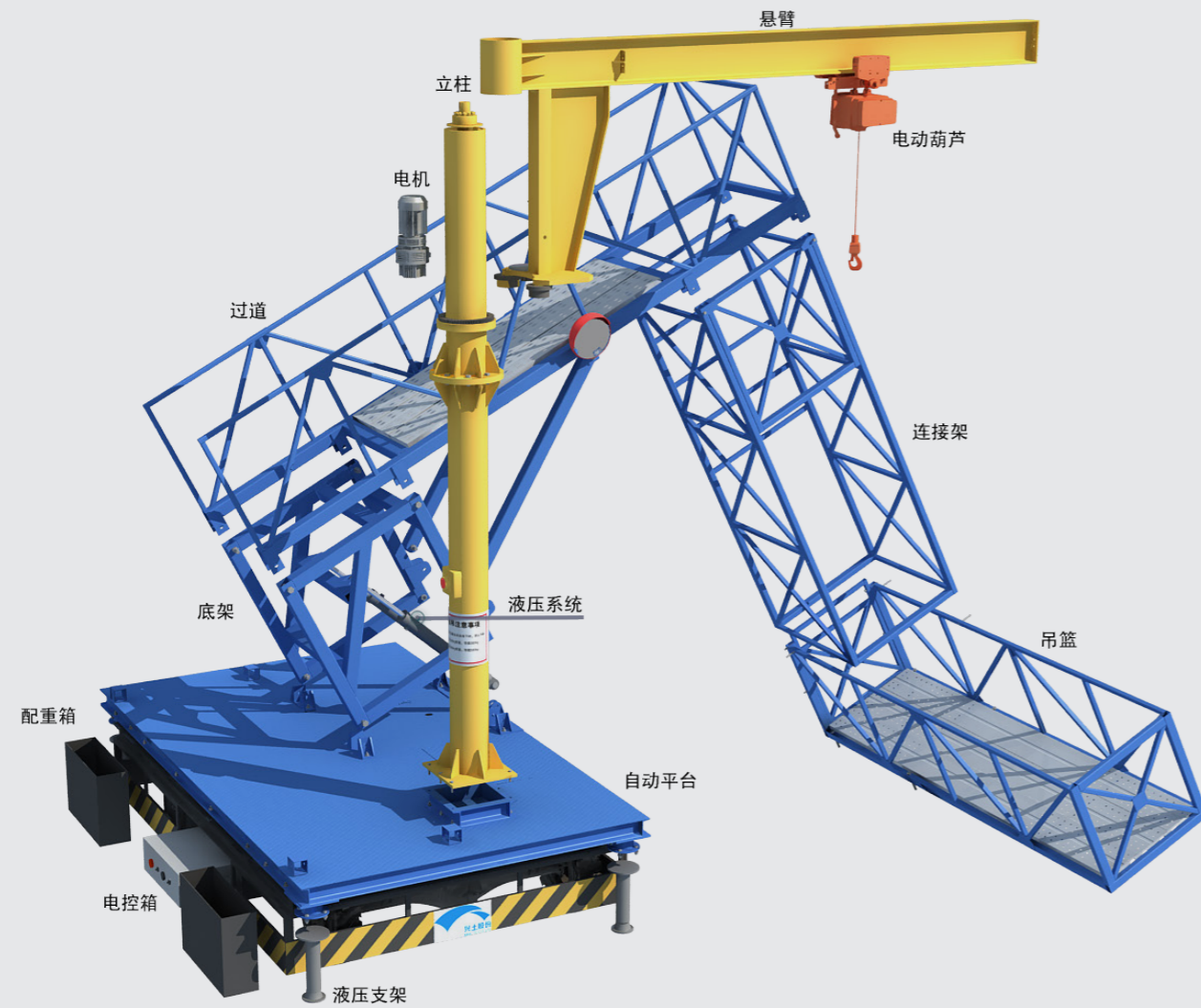
总体图 | Overall List

设备型号:XT/ADC-1200\*/500-A



注:更多工程案例和参数信息,请扫描二维码。  
Note: If you want to learn more, please scan the QR code.

主要构件 | Main Components



构件清单 | Parts List

序号	名称	图样	规格	单位	材质
1	自行平台		3500*2100*700	台	组合件
2	悬臂吊		3950*3200-500KG	套	组合件
3	底架		1000*1000*1100	件	Q235
4	过道		4060*1020*935	件	Q235
5	液压系统		DKBZW60	套	组合件
6	连接架		2820*990*920	件	Q235
7	吊篮		3080*930*830	件	Q235



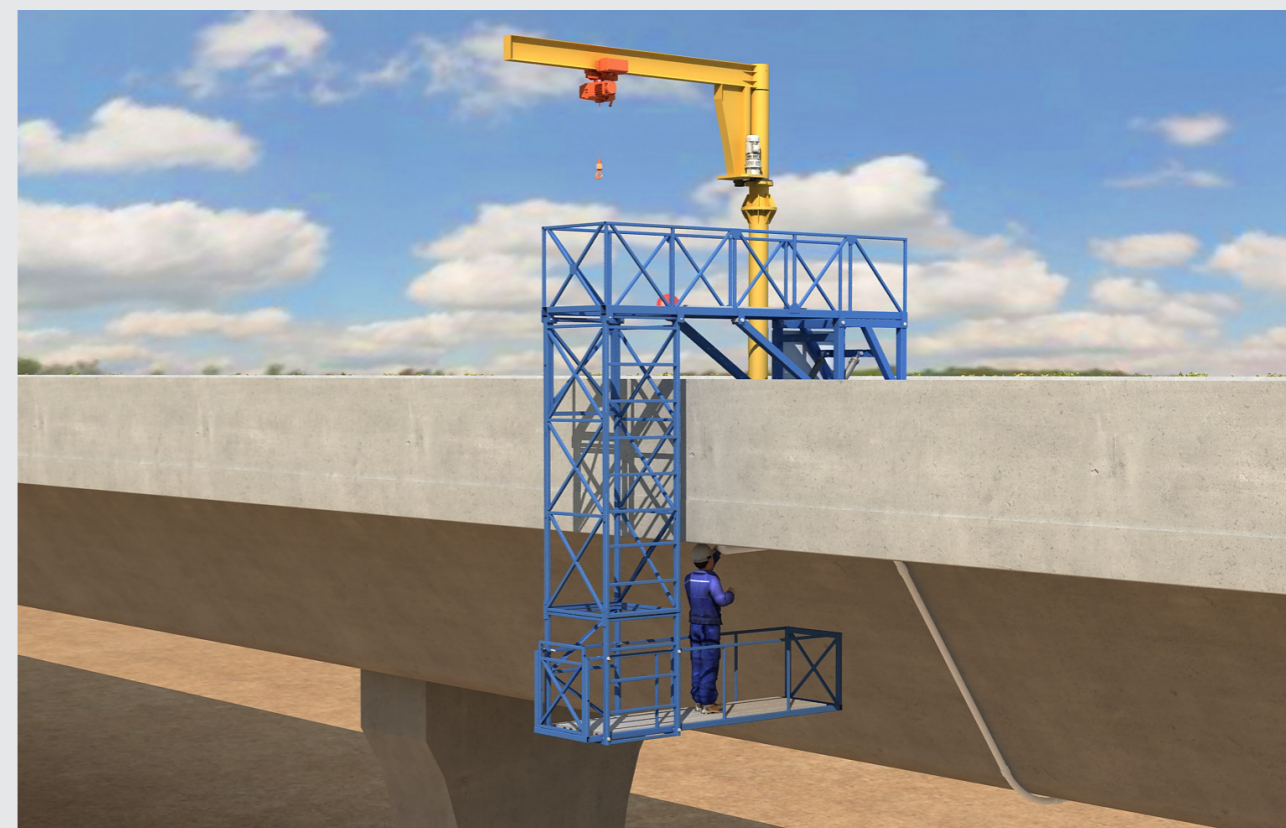
有效吊装高度4m  
吊装有效半径3.1m  
额定吊装重量500kg  
吊篮额定载重150kg



行走速度0-20m/min  
提升高度1.7m



模板安装



落水管安装



项目名称:南京交通工程有限公司苏锡常南部高速公路CX-CZ4标项目



项目名称:中国水电建设集团十五工程局有限公司王夏高速公路二标项目



项目名称:中交路桥建设有限公司通怀路(京承高速-河防口)-怀柔段道路工程6标



项目名称:中铁一局集团铁路建设有限公司常宜高速公路CY-CZ1标