

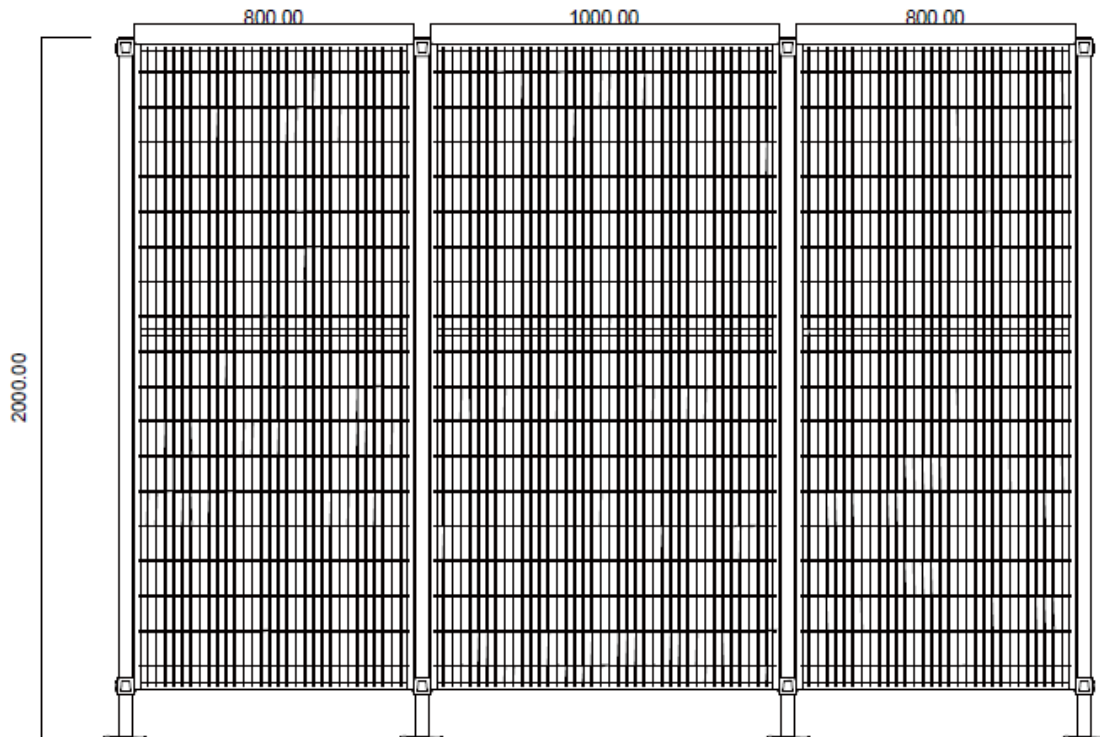
Products

Test Report No.: 报告号	15052817 001	Order No.: 项目号	244373295	Page 1 of 14	
Client Reference No.: 客户编号	2344228	Order date: 立项日期	10.11.2021		
Client: 客户	NINGBO VICHNET TECHNOLOGY CO., LTD 宁波纬诚科技股份有限公司 10F, Building 7, Smart Park, Hi-Tech-Zone, Ningbo, 315800 Zhejiang P. R. China 浙江省宁波市国家高新区翔云北路 99 号智慧园二期 7 号楼 10 楼				
Testing item: 测试产品	Safety fence 安全围栏				
Identification: 型号	(2000x800+2000x1000+2000x800) mm, (2000x800+2000x1200+2000x800) mm, (2000x800+2000x1400+2000x800) mm				
Order content: 项目内容	Commissioned witness test and issue certificate of conformance 委托目击测试, 签发符合性证书				
Testing specification: 测试依据	GB/T 8196-2018 Annex C Example of pendulum test method for mechanically testing guards GB/T 8196-2018 附录 C 防护装置机械测试的摆锤试验方法示例				
Date of receipt: 接收日期	15.11.2021				
Testing sample No.: 测试样品编号	Engineering sample 工程样品				
Testing date: 测试日期	15.11.2021				
Place of testing: 测试地点	No. 329, Jiangbin Road, Beilun District, Ningbo City, Zhejiang Province 浙江省宁波市北仑区江滨路 329 号				
Testing laboratory: 测试实验室	TÜV Rheinland (Shanghai) Co., Ltd. 莱茵技术 (上海) 有限公司				
Testing result*: 测试结果	Pass the testing specification 符合测试依据				
Tested by 测试人员:		Reviewed by 审核人员:			
29.11.2021	Max Hu/PE		29.11.2021	Xiao Ling/TC	
Date 时间	Name / Position 姓名/职位	Signature 签名	Date 时间	Name / Position 姓名/职位	Signature 签名
Other 其它:					
Only testing according to GB/T 8196-2018 Annex C. 仅根据 GB/T 8196-2018 附录 C 进行测试。					
Condition of the test item at delivery 交付时测试产品的状态		Good 良好			
This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark 此报告结果仅通过测试样品获得。未经测试中心许可此报告不允许被复制及引用。此报告无权用于任何测试标志上。					

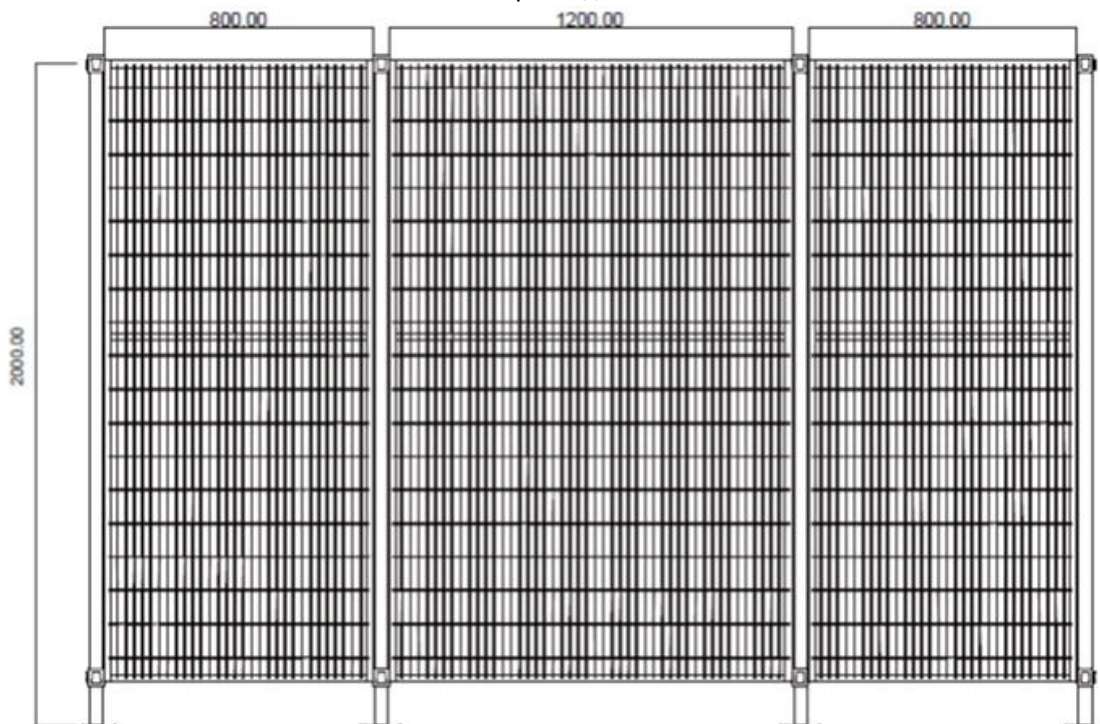
Description of testing sample 测试样品描述

Sample No. 样品编号	Sample 1 样品一	Sample 2 样品二	Sample 3 样品三
Testing item 测试产品	Safety fence 安全围栏	Safety fence 安全围栏	Safety fence 安全围栏
Identification 型号	(2000x800+2000x1000+2000x800) mm	(2000x800+2000x1200+2000x800) mm	(2000x800+2000x1400+2000x800) mm
Material 材质	Q235	Q235	Q235
Specification 规格	<ul style="list-style-type: none"> ● KK1850x800-20x100x3.0-BLK (2PCS) ● KK1850x1000-20x100x3.0-BLK (1PCS) ● KKPT-Y-40x60x2000-YLW (4PCS) 	<ul style="list-style-type: none"> ● KK1850x800-20x100x3.0-BLK (2PCS) ● KK1850x1200-20x100x3.0-BLK (1PCS) ● KKPT-Y-40x60x2000-YLW (4PCS) 	<ul style="list-style-type: none"> ● KK1850x800-20x100x3.0-BLK (2PCS) ● KK1850x1400-20x100x3.0-BLK (1PCS) ● KKPT-Y-40x60x2000-YLW (4PCS)
Specification of installation screw 安装螺丝规格	10x70 Externally forced expansion screw 10x70 外迫膨胀螺丝	10x70 Externally forced expansion screw 10x70 外迫膨胀螺丝	10x70 Externally forced expansion screw 10x70 外迫膨胀螺丝
Shape of pendulum 摆锤形状	Cylindrical 圆柱形	Cylindrical 圆柱形	Cylindrical 圆柱形
Mass of pendulum 摆锤重量	103.5 kg	103.5 kg	103.5 kg
Width of fence (between two posts) 围栏宽度 (两根柱子之间)	1000 mm (requirement \geq 1000 mm according to clause C.2.2.1) (根据 C.2.2.1 章节要求, 需大于等于 1000 mm)	1200 mm (requirement \geq 1000 mm according to clause C.2.2.1) (根据 C.2.2.1 章节要求, 需大于等于 1000 mm)	1400 mm (requirement \geq 1000 mm according to clause C.2.2.1) (根据 C.2.2.1 章节要求, 需大于等于 1000 mm)
Fence height 围栏高度	2000 mm	2000 mm	2000 mm
Height of impact point 撞击点高度	1333 mm (requirement \geq 2/3 of fence height, but not higher than 1600 mm according to clause C.2.2.1) (根据 C.2.2.1 章节要求, 需大于等于围栏高度的 2/3, 但不高于 1600 mm)	1333 mm (requirement \geq 2/3 of fence height, but not higher than 1600 mm according to clause C.2.2.1) (根据 C.2.2.1 章节要求, 需大于等于围栏高度的 2/3, 但不高于 1600 mm)	1333 mm (requirement \geq 2/3 of fence height, but not higher than 1600 mm according to clause C.2.2.1) (根据 C.2.2.1 章节要求, 需大于等于围栏高度的 2/3, 但不高于 1600 mm)
Required impact energy 要求的冲击能量	1600 J (energy of impact at minimum 115 J according to clause C.2.5.1) (根据 C.2.5.1 章节要求, 冲击能量至少是 115 J)	1600 J (energy of impact at minimum 115 J according to clause C.2.5.1) (根据 C.2.5.1 章节要求, 冲击能量至少是 115 J)	1600 J (energy of impact at minimum 115 J according to clause C.2.5.1) (根据 C.2.5.1 章节要求, 冲击能量至少是 115 J)
Measured impact energy 实测的冲击能量	$E = m \times g \times h = 103.5 \times 9.81 \times 1.64 = 1665 \text{ J}$	$E = m \times g \times h = 103.5 \times 9.81 \times 1.64 = 1665 \text{ J}$	$E = m \times g \times h = 103.5 \times 9.81 \times 1.64 = 1665 \text{ J}$

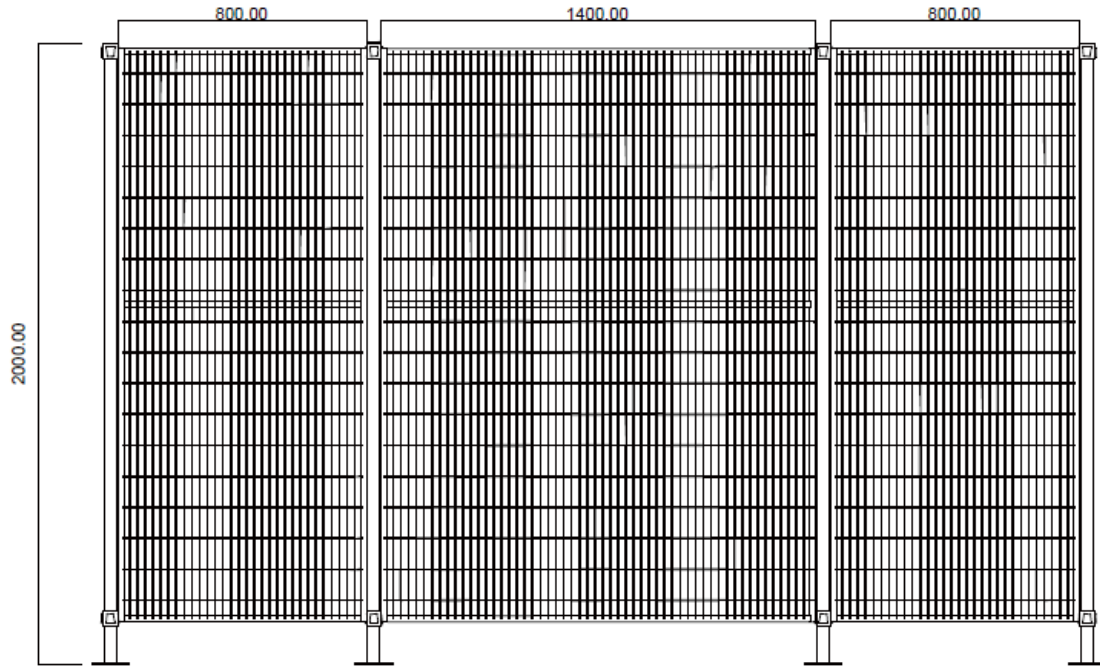
Mechanical drawing of testing sample 测试样品图



Sample 1 样品一

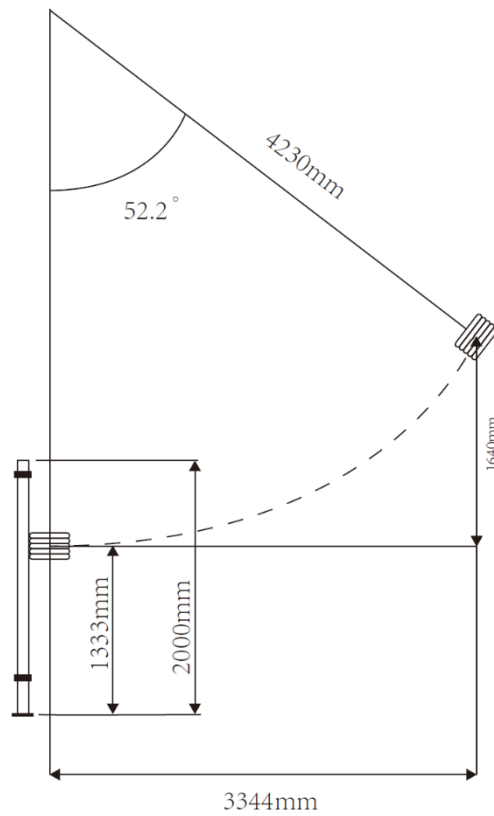


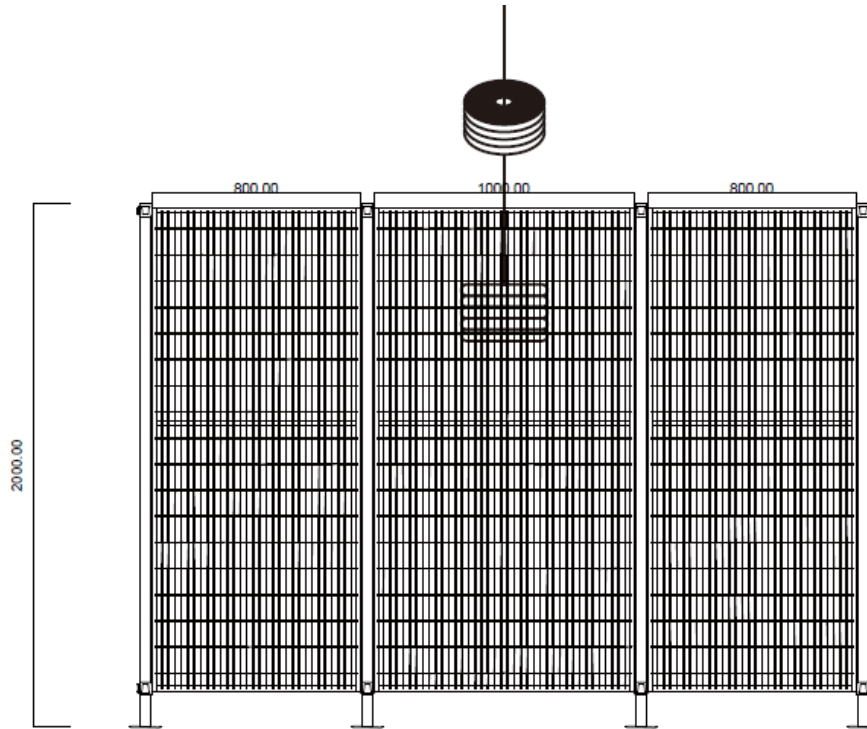
Sample 2 样品二



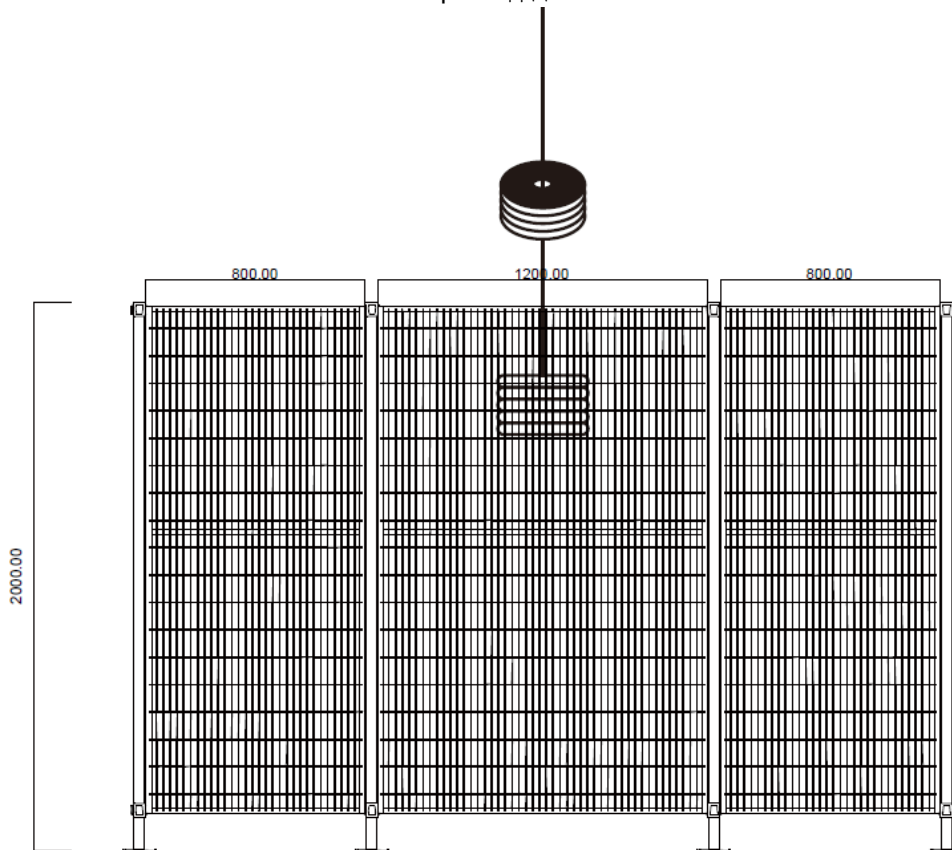
Sample 3 样品三

Testing design drawing 测试设计图

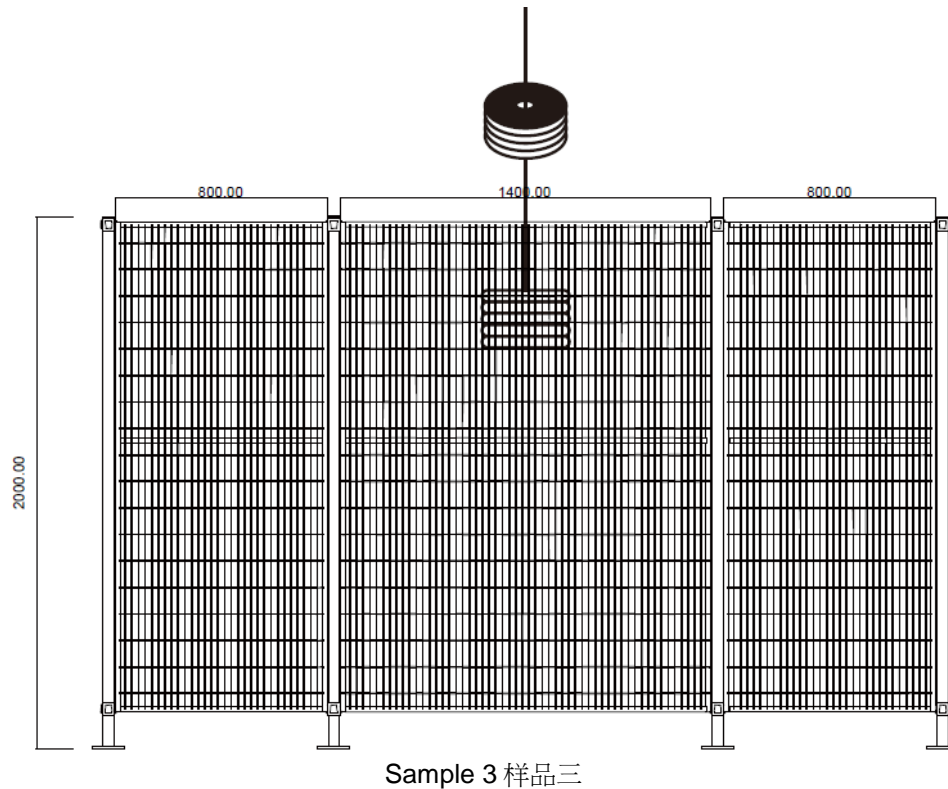




Sample 1 样品一



Sample 2 样品二



Testing equipment list 测试仪器清单

Testing equipment 测试仪器	Equipment No. / ID-No. 仪器型号/编号	Next calibration 下次校准日期
Tape ruler 卷尺	1810651	2022.12.22
Weighing Scale 磅秤	ZF8003-T2	2022.07.06

*Test date is 15.11.2021.

测试日期是 2021 年 11 月 15 日。

Testing result 测试结果

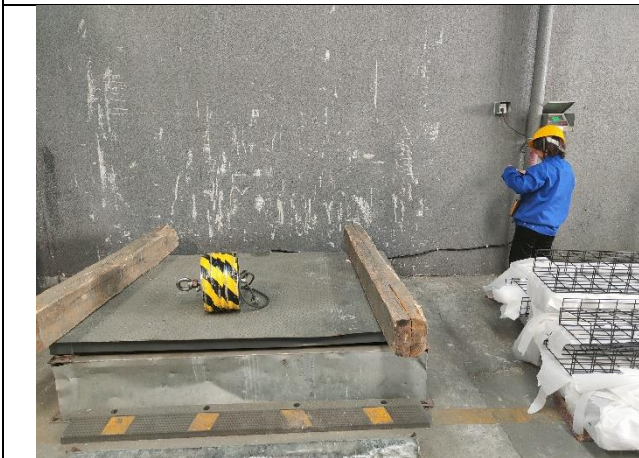
After the pendulum test, permanent deformation occurred on the guard do not exceed values specified to avoid harm. There is no crack, collapse, penetration, welding off occurred. The guard panel is not loosened from the guard support or fixing structure.

摆锤测试后，局部结构永久变形未超过为避免伤害而规定的值。防护装置未出现裂纹、倾倒、穿透、脱焊现象。固定结构与支撑处无松动。

Testing photo 测试照片



Pendulum
摆锤

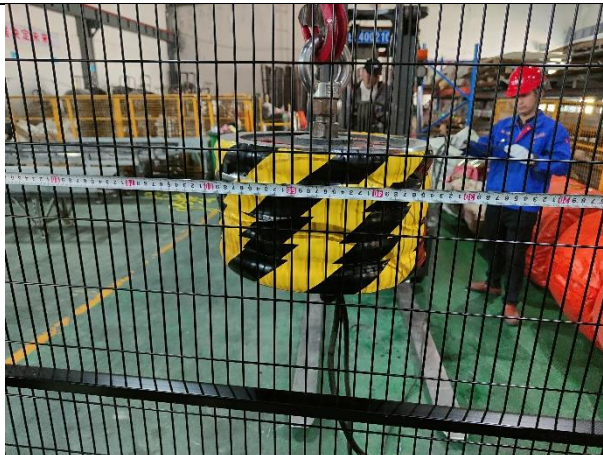


Pendulum weighing
摆锤称重

Sample 1 样品一



Initial height of pendulum above the ground: 1333 mm
初始摆锤离地高度：1333 mm



Pendulum hanging in the middle of safety fence: 500 mm
悬在安全围栏中间位置的摆锤：500 mm



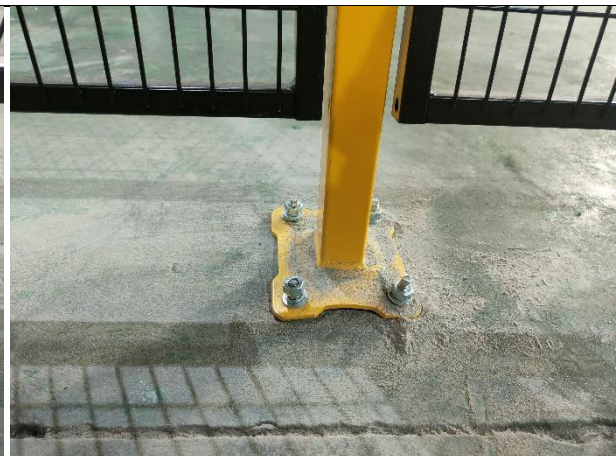
Height of pendulum from the ground during test: 2973 mm
测试中摆锤离地高度：2973 mm



Sample during testing
测试中的样品



Sample after testing
测试后的样品

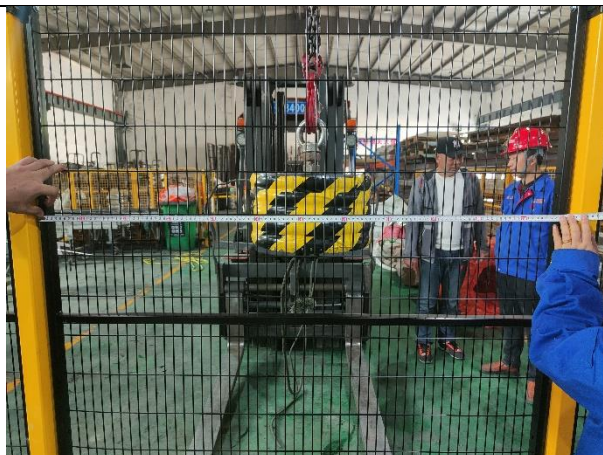


Installation screw of sample after testing
测试后样品的安装螺丝

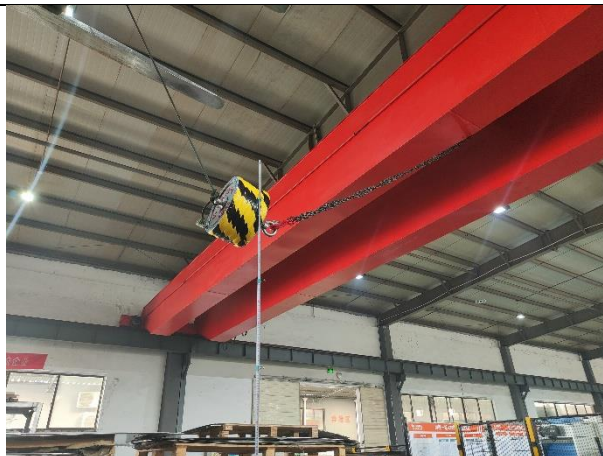
Sample 2 样品二



Initial height of pendulum above the ground: 1333 mm
初始摆锤离地高度：1333 mm



Pendulum hanging in the middle of safety fence: 600 mm
悬在安全围栏中间位置的摆锤：600 mm



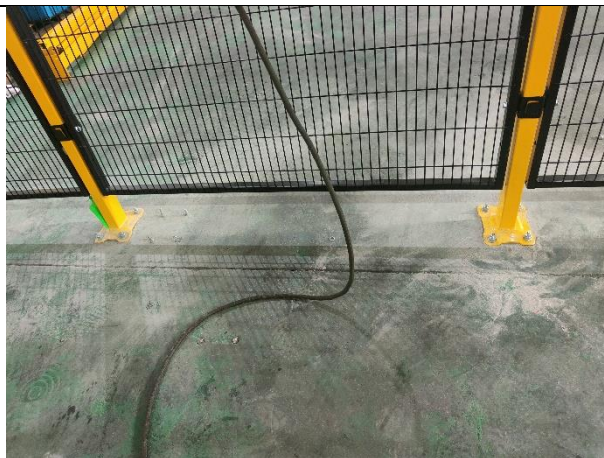
Height of pendulum from the ground during test: 2973 mm
测试中摆锤离地高度：2973 mm



Sample during testing
测试中的样品



Sample after testing
测试后的样品



Installation screw of sample after testing
测试后样品的安装螺丝

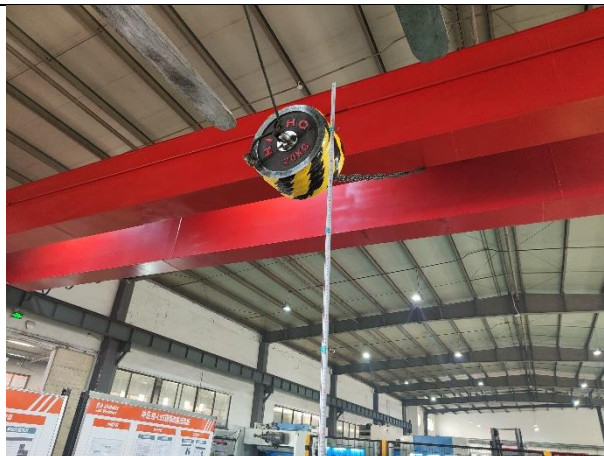
Sample 3 样品三



Initial height of pendulum above the ground: 1333 mm
初始摆锤离地高度：1333 mm



Pendulum hanging in the middle of safety fence: 700 mm
悬在安全围栏中间位置的摆锤：700 mm



Height of pendulum from the ground during test: 2973 mm
测试中摆锤离地高度：2973 mm



Sample during testing
测试中的样品



Sample after testing
测试后的样品



Installation screw of sample after testing
测试后样品的安装螺丝

Test Report No.: 15052817 001

报告号

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-- 报告 15052817 001 结束 --