




Wuxi Jiuy Heavy Machinery Co. Ltd. Mast Climbing Work Platform

Aspect	Details
Images	
PSD Number	2404-0116
Product Type	Machinery – Mast Climbing Work Platform
Product Identifiers	TDT SCP200/12D & SCP230/9D
Product Description	<p>Mast Climbing Work Platforms are used where high level access and maintenance are required, for example to lift people and equipment undertaking work on tall buildings. They comprise of a powered work platform attached to one or more vertical masts. The drive is provided by two electric motors fitted with centrifugal brakes which slow the platform if the speed of descent is exceeded. The drive unit moves up and down the mast.</p> <p>The operator's manual supplied refers to model SCP230/9D but the manufacturer's plate and certificates refer to model SCP200/12D. This report relates to all products with either of these identifiers.</p>
Country of Origin	China
Counterfeit	No
Risk Level	Serious
Risk Type	Injuries
Risk Description	<p>The Mast Climbing Work Platforms can fail catastrophically without warning, resulting in a fall from height because mechanical faults in the drive units are not detected before the failure occurs. This could cause serious injury or death.</p> <p>The mast climbing work platforms comprising of two independent and identical electric motor direct drive units fitted to each mast did not have a means to detect malfunctions in each drive unit. This detection mechanism should identify a loss of mechanical integrity which results in a differential in the current demand between each drive unit exceeding 25% of the full load current. This is consistent, for example, with one drive unit doing all the work due to a loss of mechanical integrity in the other unit in a pair. Requirements are set out in BS EN 1495:1997+A2:2009.</p>



Product Safety Report

	<p>The Mast Climbing Work Platforms did not comply with BS EN 1495:1997+A2:2009 clause 5.5.3 although the Declaration of Conformity claimed compliance with this standard.</p> <p>The standard was not met as there was no continuous monitoring of the mechanical integrity of the drive units and no warning system for overload or failure.</p> <p>The Mast Climbing Work Platforms did not meet the requirements of the Supply of Machinery (Safety) Regulations 2008.</p> <p>See the HSE safety alert at the following link: <u>Mast climbing work platforms: Failure to detect mechanical failure in drive units leading to uncontrolled fall of platforms - HSE</u></p>
Corrective Measures	<p>Known products were removed from use by the owner.</p> <p>Owners of this product who have not already been alerted to this issue by HSE should take corrective action as set out in HSE's safety alert and check and validate any certificates provided with the machine.</p>
Online Marketplace	N/A
Notifier	Health and Safety Executive