
Country 国家	Greater China 大中华区
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Approved 批准	Mai Miao (麦苗) TÜV Rheinland (China) Ltd. 莱茵检测认证服务(中国)有限公司
Revision date: 修订日期:	2024-05-16

1 Purpose 目的

本文件阐述了莱茵检测认证服务(中国)有限公司(TRCHN)关于欧盟机械指令认证范围内规定的准备、提交、评估和认证程序。

2 Scope 范围

本规则适用于欧盟机械指令(2006/42/EC)中 Article 1 第 1 条中列及的(a), (b), (d), (e), (f), (g)类机械产品的符合性认证。

- (a) machinery 机械;
- (b) interchangeable equipment 可互换设备;
- (d) lifting accessories 起重配件;
- (e) chains, ropes and webbing 锁链、绳索和织带;
- (f) removable mechanical transmission devices 可移动机械传动装置;
- (g) partly completed machinery 部分完成的机械.

3 Type of Approval 认证模式

欧盟机械指令认证模式为：文件审核+样机评估+现场检查。

认证的基本环节包括：

- A. 认证的申请
- B. 文件审核
- C. 样机测试\评估\现场检查
- D. 认证结果评价和批准

4 The application of Certification 认证申请

4.1 Unit partition of the certified products 认证产品单元划分

原则上按产品种类申请认证。同一制造商、同一型号但颜色不同的产品可以作为一个单元申请。

4.2 Application documents 申请材料

- 申请表
- 营业执照
- 产品功能和参数介绍
- 不同型号产品的差异说明（如果有）
- 中文或英文用户手册（产品使用说明书）
- 安全报告以及证书
- 产品照片文件

5 Documentation review 文件审核

5.1 Scope 范围

- 安全相关图纸
- 与安全有关的说明书
- 带有安全功能的零部件认证证书
- 关键零部件认证证书
- 关键部件的测试报告
- 设计计算书（如需要）
- 铭牌和警告标志

5.2 Sample testing and evaluation 样机测试与评估

5.2.1 Acc. Standards 依据标准

可选关键词	适用产品	标准名称	标准号
机械安全	机械设备	Essential health and safety requirements	Machinery Directive Annex I
机械安全	连续搬运设备	Continuous handling equipment and systems. Safety requirements for equipment for mechanical handling of unit loads	EN 619:2022
机械安全	起重机	Cranes. Bridge and gantry cranes	EN 15011:2020
机械安全	起重机	Cranes - Safety - Design - Requirements for equipment	EN 13135:2013
机械安全	起重机	Crane. Safety. Non-fixed load lifting attachments	EN 13155:2020

机械安全	起重设备	Cranes - Power driven winches and hoists - Part 2: Power driven hoists	EN 14492-2:2019
机械安全	仓储设备	Rail dependent storage and retrieval equipment - Safety requirements for S/R machines	EN 528:2022
机械安全	机器人	Robots and robotic devices - Safety requirements for industrial robots - Part 1: Robots	EN ISO 10218-1:2011
机械安全	扶梯和人行道	Safety of escalators and moving walks - Part 1: Construction and installation	EN 115-1:2017
电气安全	工业车辆	Safety of industrial trucks. Electrical/electronic requirements	EN 1175:2020
电气安全	起重设备	Safety of machinery - Electrical equipment of machines - Part 32: Requirements for hoisting machines	EN 60204-32:2008
电气安全	机械设备	Safety of machinery. Electrical equipment of machines-General requirements	EN 60204-1:2018
机械安全	安全部件	Safety of machinery. Safety-related parts of control systems-General principles for design	EN ISO 13849-1:2023
机械安全	安全部件	Empty enclosures for low-voltage switchgear and controlgear assemblies - General requirements	EN 62208:2023
机械安全	起重设备	Cranes - Manually controlled load manipulating devices	EN 14238:2009
机械安全	机械设备	Safety of machinery - Safety requirements for pressure metal diecasting units	EN 869:2009
机械安全	工业车辆	Industrial trucks - Additional requirements for automated functions on trucks (ISO 24134:2006)	EN ISO 24134:2018
机械安全	工业车辆	Industrial trucks - Safety requirements and verification - Part 1: Supplementary requirements for self-propelled industrial trucks, other than driverless trucks, variable-reach trucks and burden-carrier trucks	EN 16307-1:2020
机械安全	工业车辆	Industrial trucks - Safety requirements and verification - Part 5: Supplementary requirements for pedestrian-propelled trucks	EN 16307-5:2023
机械安全	工业车辆	Industrial trucks - Safety requirements and verification - Part 6: Supplementary requirements for burden and personnel carriers	EN 16307-6:2014

5.2.2 Testing/evaluation items and requirements 测试/评估项目及要求
测试/评估指标应满足各项标准中的要求。

5.2.3 Testing/evaluation method 测试/评估方法
按照各标准中的规定的方法进行测试/评估。

5.2.4 Period of Products testing/evaluation 测试/评估周期
按照各标准中的规定执行。

5.2.5 Testing/evaluation result evaluation 测试/评估结果判定
按照各标准中的规定判定测试/评估结果。

5.2.6 Testing report 测试/评估报告

由 TÜV 莱茵授权项目工程师对样机进行测试/评估，并按规定格式出具测试/评估报告。认证批准后，为申请人提供一份试验报告。

6 Evaluation and approval of the certification 认证结果评价与批准

6.1 Evaluation and approval of the certification 认证结果评价与批准

TRCHN 组织对文件审核结果和测试/评估报告进行综合评价。评价合格后，向申请人颁发产品认证证书。每一个申请认证单元颁发一份认证证书。

6.2 Lead-time 交付周期

对符合认证要求的，将在提供所有文件之后 2 周颁发认证证书

6.3 Stop the certification 认证终止

当文件审核不合格或测试/评估不通过，TRCHN 做出不合格决定，终止认证。终止认证后，如要继续申请，按新申请进行。

7 Cost 收费

认证费用按TRCHN有关规定收取。

附件01：机械指令符合性证书样本01

附件02：机械指令符合性证书样本02

附件1：机械指令符合性证书样本01

Certificate

of Conformity Assessment

Test regulations: **EC-Directive 2006/42/EC - Annex I**

Registration no.: **CN-IM XXXX/YY**

Certificate holder Musterfima GmbH
Musterstraße 11
12345 Musterstadt
Germany

Product tested Designation of the figuring machine

Type designation / Type-ID Testtype 1; Testtype 2
XXXXXXXXXXXXXX

Standards EN XXXXX:YYYY EN ISO XXXXX:YYYY
EN XXXXX-X:YYYY EN ISO XXXXX:YYYY
EN ISO XXXXX:YYYY EN ISO XXXXX:YYYY

Specific requirements The technical data are defined in Annex 1 to the certificate.
The instructions of the associated Installation, Maintenance and Operating Manual shall be considered.

The product is in conformity with all requirements of Annex I of EC-Directive 2006/42/EC.

This certificate is valid until YYYY-MM-DD.

The issue of this certificate is based upon an examination, whose results are documented in, Report no. XXXXXX dated YYYY-MM-DD and an examination for extension of validity, Report no. XXXXXX dated YYYY-MM-DD.

This certificate is valid only for products, which are identical with the product tested.

附件2：机械指令符合性证书样本02

Industrie Service
Prüflaboratorium für Maschinen
STATEMENT OF CONFORMITY



Product Maschine - Art
Model/Type Maschine - Typbezeichnung
testet by request of Auftraggeber
Auftraggeber - Straße Nr.
Auftraggeber - DE - PLZ Ort
Auftraggeber - Land
manufactured at (Name and place) Maschine - Standort
Maschine - Straße Nr.
Maschine - PLZ Ort
Maschine - Land

TÜV Rheinland (China) Ltd. has tested one sample of this product and confirms that it complies on the base of the European Community Directives:

2006/42/EG	Directive 2006/42/EC of the European Parliament and of the Council of 17 May 2006 on machinery, and amending Directive 95/16/EC (recast) Richtlinie 2006/42/EG des Europäischen Parlaments und des Rates vom 17. Mai 2006 über Maschinen und zur Änderung der Richtlinie 95/16/EG (Neufassung)
2014/35/EU	Directive 2014/35/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to the making available of electrical equipment designed for use within certain voltage limits Richtlinie 2014/35/EU des Europäischen Parlaments und des Rates vom 26. Februar 2014 zur Harmonisierung der Rechtsvorschriften der Mitgliedstaaten über die Bereitstellung elektrischer Betriebsmittel zur Verwendung innerhalb bestimmter Spannungsgrenzen
2014/30/EU	Directive 2014/30/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility (recast) Richtlinie 2014/30/EU des Europäischen Parlaments und des Rates vom 26. Februar 2014 zur Harmonisierung der Rechtsvorschriften der Mitgliedstaaten über die elektromagnetische Verträglichkeit (Neufassung)
2014/34/EU	Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to equipment and protective systems intended for use in potentially explosive atmospheres (recast) Richtlinie 2014/34/EU des Europäischen Parlaments und des Rates vom 26. Februar 2014 zur Harmonisierung der Rechtsvorschriften der Mitgliedstaaten für Geräte und Schutzsysteme zur bestimmungsgemäßen Verwendung in explosionsgefährdeten Bereichen
XXXX/XX/XX	XXX XXX

and with the following harmonized standards:

EN ISO 12100:2010	Safety of machinery - General principles for design - Risk assessment and risk reduction Sicherheit von Maschinen - Allgemeine Gestaltungsgrundsätze, Risikobeurteilung und Risikominderung
EN 60204-1:2018	Safety of machinery - Electrical equipment of machines - Part 1: General requirements Sicherheit von Maschinen - Elektrische Ausrüstung von Maschinen - Teil 1: Allgemeine Anforderungen
EN ISO 4413:2010	Hydraulic fluid power - General rules and safety requirements for systems and their components Fluidtechnik - Allgemeine Regeln und sicherheitstechnische Anforderungen an Hydraulikanlagen und deren Bauteile