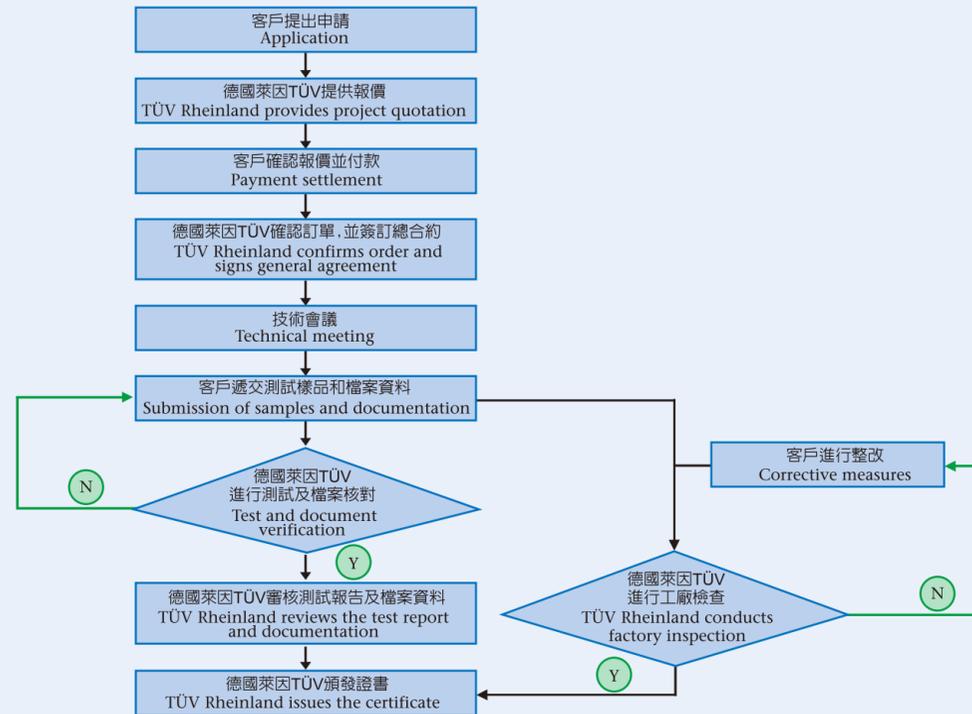




## 測試流程 Procedure

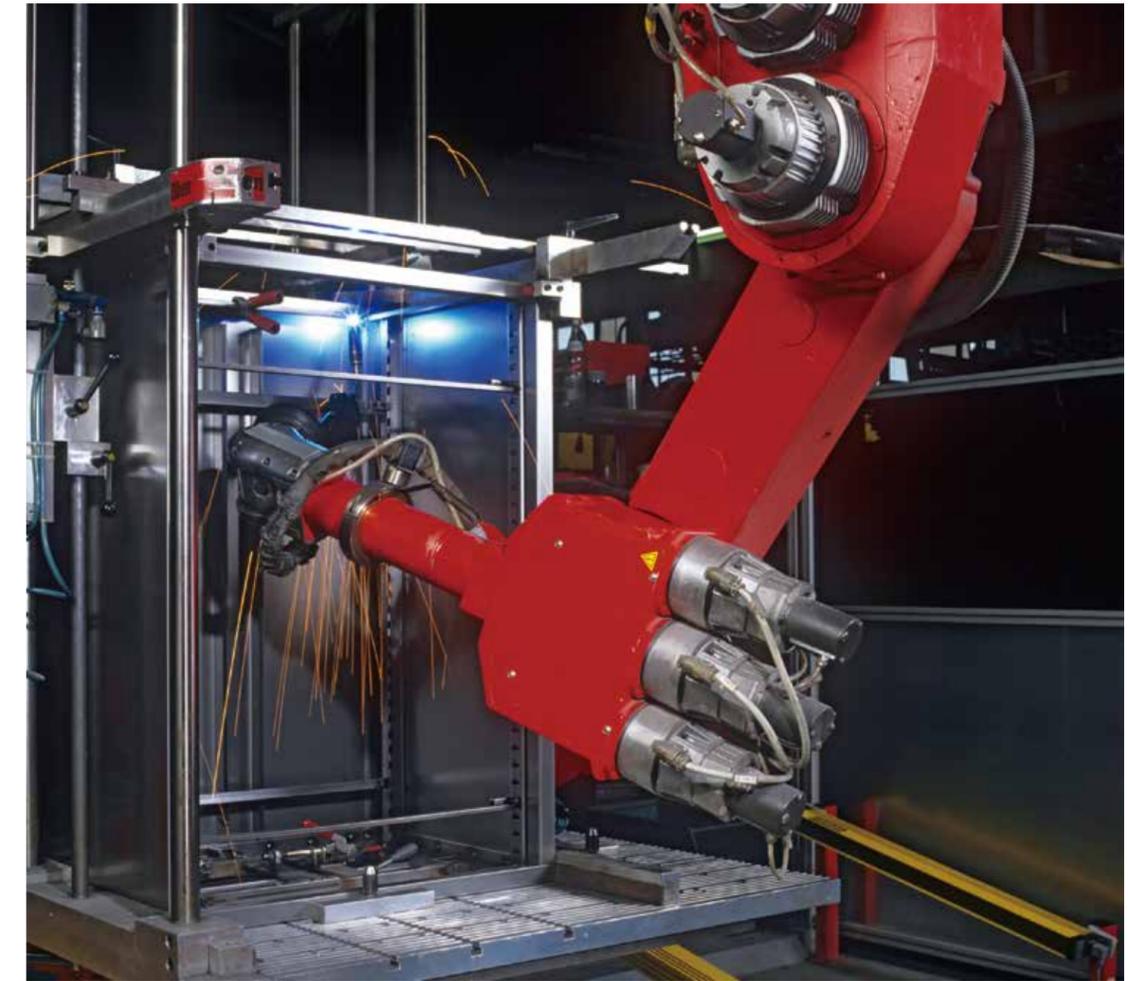


### 關於德國萊因TÜV集團

### About TÜV Rheinland Group

總部位於德國科隆的德國萊因TÜV集團擁有140多年的經驗。德國萊因TÜV集團是國際上領先的技術服務供應商，在全球65個國家設有500家分支機構，擁有超過17,000名員工，服務涵蓋工業服務、交通服務、產品服務、生命科學、培訓與諮詢服務以及系統驗證服務。

TÜV Rheinland Group has more than 140 years of experience and is headquartered in Cologne. TÜV Rheinland Group is a leading group for the provision of technical services worldwide. It has 500 locations in 65 countries with a workforce of over 17,000. The business scope covers Industrial Services, Mobility, Products, Life Care, Training and Consulting, Systems.



## 工業機器北美驗證

## North America Service for Industrial Machinery



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## 我們的服務 Our services

- 產品現場評估，驗證缺失項目報告
  - 完整的測試報告
  - 北美標準教育訓練
  - 一站式測試，即可獲得TÜV、CE、cTUVus等證書，讓您便捷地進入多國市場
- Test reports
  - FES-preparation
  - North America standard training
  - One-stop services for multiple market access with TÜV, CE and cTUVus certificates

## 產品範圍 Product scope

- 工程機械  
Construction machinery
- 木工機械  
Woodworking machinery
- 發電機組  
Generator sets
- 電焊機  
Welding machines
- 塑膠射出相關機械  
Injection moulding machines
- 一般工業機器  
General industrial machinery
- 各種電控櫃  
Electrical control enclosures



## 打開工業機器北美市場 Expand your business in North America

歐債危機的爆發對國內仰賴出口歐洲市場的工業機器設備製造商，造成不小的衝擊與影響，許多製造商正積極拓展市場，將目標轉向北美市場，來彌補歐洲市場訂單減少所造成的損失，有越來越多的大型工程機械、塑膠機械、木工機械、電機、配電櫃等產品進入北美市場。

工業機器進入北美市場不可避免地涉及到安全驗證。標有cTUVus標誌的產品已被證明是符合美國和加拿大的國家標準，可以在市場上販售。透過德國萊因TÜV的獨立第三方驗證，可以證明您的產品符合美國和加拿大的相關安全標準，以增強客戶對產品品質和安全的信心。

自1995年8月16日起，德國萊因TÜV北美公司就已獲得了美國職業安全健康管理局 (OSHA) 認可，成為「國家認可測試實驗室」。隨後我們又於2001年1月31日獲得了加拿大標準委員會 (SCC) 授權認可。我們幫助您提升品牌聲譽，贏得客戶信賴，讓您順利進入北美市場。

The exportation of Chinese industrial machinery to Europe has been influenced by the European debt crisis. Many domestic manufacturers are trying to expand their reach into other markets to avoid the risk of declining orders. Increasingly more industrial machinery products are now reaching North America, including heavy industrial construction machinery, plastic machinery, woodworking machinery and electrical control enclosures, etc.

machinery and electrical control enclosures, etc.

Products usually need to be certified for compliance with an appropriate safety standard before they can be launched in the North American market. cTUVus helps your products to cross the border safely. TÜV Rheinland's cutting-edge know-how and services will convince your clients of both the safety and quality of your products, and verify their compliance with US and Canadian regulations.

Since 1995, our North American subsidiary has been accredited as a Nationally Recognised Testing Laboratory (NRTL) by the US Occupational Safety and Health Administration (OSHA), and in January 2001 we were accredited by the Council of Canada (SCC). These approvals have strengthened our leading role in providing regulatory access services for goods entering the US and Canada. It would be our greatest honour to become your business partner by offering our expertise and experience in this area.



## 德國萊因TÜV，值得您信賴的合作夥伴

### TÜV Rheinland is your reliable partner

- 我們擁有強大的全球服務網及專業測試能力，提供您本地化的專業檢測
  - 我們結合多種標準，縮短進入不同市場的測試和驗證時間
  - 我們為您提供更合理、更靈活的廠檢服務
  - 我們是美國和加拿大官方授權認可的協力廠商驗證機構
- We have a powerful global service network that delivers our renowned testing expertise at your doorstep
  - We shorten the lead-time of the testing and certification needed to access different markets with combined services for different standards
  - We provide you with a more affordable and flexible factory inspection service
  - We are the officially accredited certification body in US and Canada



## 測試標準 Testing standards

| 產品 Product   | 標準 Standard      |
|--|------------------|
| 電氣控制櫃<br>Enclosures of electrical equipment        | NFPA 79<br>UL 50 |
| 工業控制板<br>Industrial control panels                 | UL 508A          |
| 工業控制設備<br>Industrial control equipment             | UL 508           |
| 臥式塑膠射出機械<br>Horizontal Injection moulding machines | ANSI/SPI B151.1  |
| 馬達驅動類產品<br>Motor operated appliances               | UL 73            |
| 工程機械（移動式起重機）<br>Mobile and locomotive cranes       | ANSI/ASME B30.5  |
| 電動水泵<br>Motor-operated water pumps                 | UL 778           |
| 電力叉車<br>Electric-battery-powered industrial trucks | UL 583           |

注：以上僅為部分測試標準  
Remark: The above list are examples of testing standards