

中國尺碼 SizeChina

全球首建中國人頭面形數碼資料庫

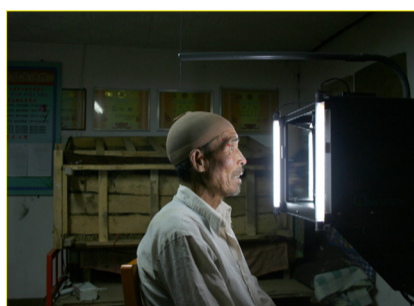
The first-ever digital database of Chinese head and face shapes

在「中國尺碼」成立前，可供設計師使用的人體工程學數據只集中於西方人體尺寸。西方人的頭形和面形與中國和南亞洲人士的尺碼差別很大。

透過最尖端的數碼掃描方法，從香港和中國內地六個省份搜集了2,500個數據，「中國尺碼」已建立了全球首個中國頭形和面形的數碼資料庫。設計師、研究員及企業開發者首次可以製造適合二億南亞洲人口市場的產品。有關「中國尺碼」的產品請瀏覽www.certiform.org。



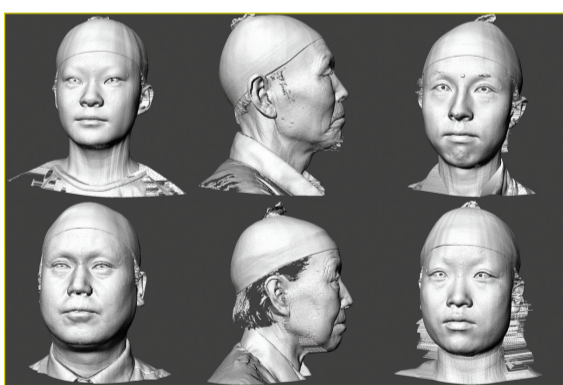
位於中國六個省份的掃描地點
6 scanning locations in China



被掃描的參加者
Scan subject



華人標準頭形尺碼模型
Standard Chinese Headforms



掃描後搜集的三維數據
3D scan data

Before SizeChina, all ergonomic data available for designers focused on the body shapes of Western populations. Western physiology differs significantly from the physiology of Chinese and South Asian users, particularly in terms of the shape of the head and face.

Using the most current digital scanning methodology, this project has assembled data from a representative cross section of the mainland Chinese population to create the first-ever digital database of Chinese head and face shapes. Now, for the first time, designers, researchers and business developers will be able to create products that genuinely fit the needs of over 2 billion target audience in South East Asia market. SizeChina products available from www.certiform.org.

Principal Investigator

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特色與優點

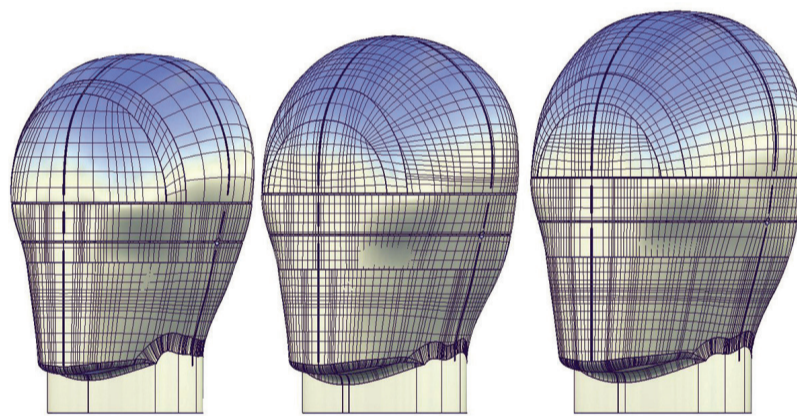
- 首個中國人頭形和面形的三維人體測量測試，從中國六個省份搜集數據，涉及2500個受驗人士
- 全套十個代表中國成年人口的不同尺寸的頭形尺碼模型
- 數碼資料庫內有超過 1800 個三維頭形數據

應用

提供數據給設計師、研究員及製造者，去設計真正適合中國人的新一代產品。此三維數據的應用範圍包括消費產品如摩托車頭盔、醫療產品如預防禽流感和非典型性肺炎的衛生面罩及人面識別技術。

獎項

- 《商業周刊》與美國工業設計師協會聯辦的2008 國際傑出設計大賽研究組別 - 金獎
- 2008國際傑出設計大賽最佳表現獎



電腦設計檔案
CAD files

Special Features and Advantages

- First 3D anthropometric survey of Chinese head and face shapes which scanned over 2500 subjects from six provinces in mainland China
- Full set of 10 physical headforms which describe the entire Chinese adult population
- Digital database of over 1800 3D head scans

Application

Provides the information and data needed for designers, researchers and manufacturers to create the next generation of perfect fitting products and environments for the Chinese people. The application areas for this 3D data include consumer products such as motorcycle helmets, medical products such as hygienic facemasks for bird flu and Sars and facial recognition technologies.

Awards

- Gold Medal in Research Category - 2008 IDEA competition is co-sponsored by BusinessWeek and IDSA
- Best in Show - 2008 IDEA