

# 汽車車門鉸鏈夾具案例

## Door Hinge Fixture Solution for Automotive Products



### 工件名稱

車門鉸鏈

### 材料

型鋼

### 加工內容

鑽孔, 銑面, 粗銑, 精銑, 搪孔, 精搪

### Workpiece

Door hinge

### Material

Profile steel

### Machining job

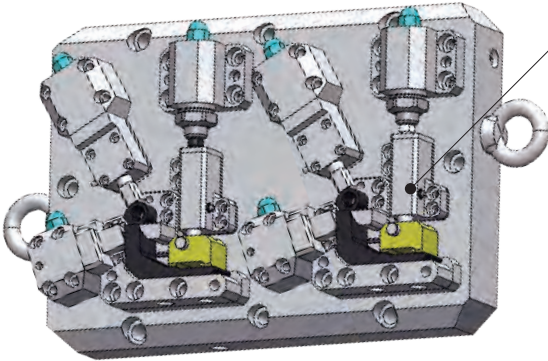
Drilling, milling, rough milling, fine milling, boring, fine boring

車門鉸鏈夾具 Door Hinge Fixture

原夾具  
Original fixture




設計優化後夾具  
After optimization



優化後特點  
Special features

設計優化  
Design optimization



- 優化預定位機構, 重複夾持更穩定。  
New pre-positioning system creates stability of clamping.
- 人工上料更方便, 提高效率與操作安全。  
More convenient upload system, improving the efficiency and safety of operation.

產品描述與特徵:

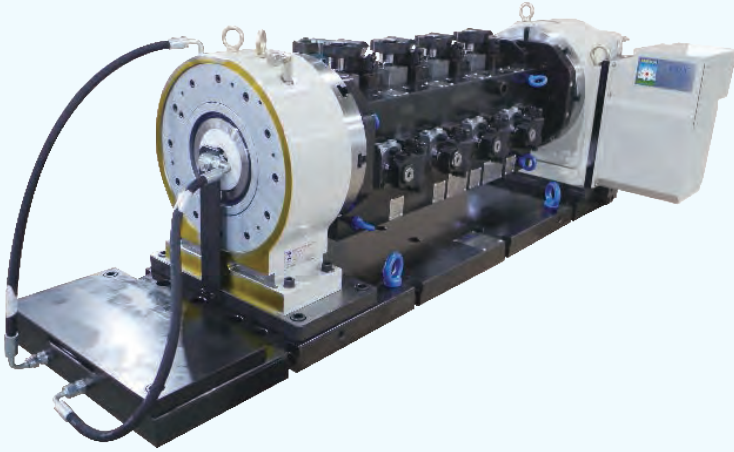
- 精度要求:  $\pm 0.01\text{mm}$
- 使用機床: 6 轉台專用機床
- 外型定位
- 雙工位夾具
- 特殊預定位機構

Product Description and Characteristics:

- Machining accuracy:  $\pm 0.01\text{mm}$
- Machining center: 6 pallets special machine center
- Shape positioning
- 2 clamping nests
- Special pre-position system



車門鉸鏈夾具 Door Hinge Fixture



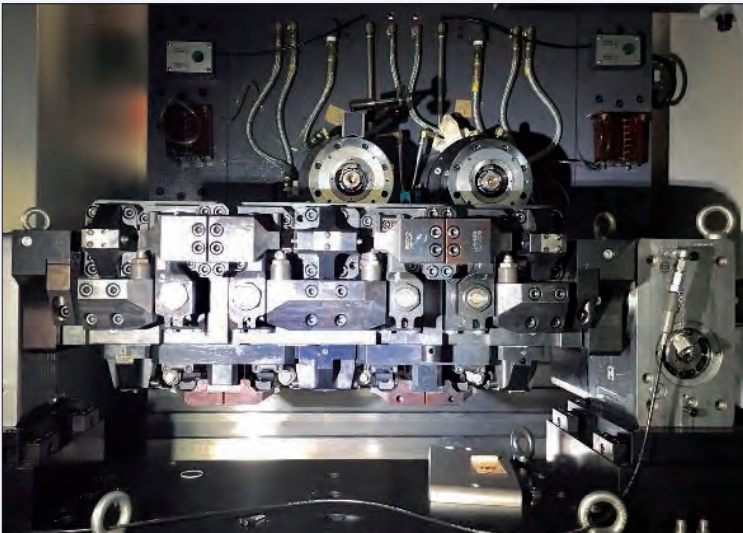
**產品描述與特徵:**

- 精度要求:  $\pm 0.01\text{mm}$
- 使用機床: 6 轉台專用機床
- 外型定位
- 八工位夾具搭配分度盤 (第四軸)

**Product Description and Characteristics:**

- Machining accuracy:  $\pm 0.01\text{mm}$
- Machining center: 6 pallets special machine center
- Shape positioning
- 8 clamping nests with rotary table (the fourth axis)

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