

## 3. 產品優勢 (Product Advantage)

### 3.1 中龍用心，客戶安心 (We do our best to win your trust)

中龍承襲中鋼既有品質精神，透過高爐鐵水、精煉、連鑄設備優勢，強化鋼材內部品質，以供應客戶品質優良且耐震的H型鋼。

DSC follows CSC group's core value that good quality comes from the advantages of BF hot metal, secondary steel making process, and continuous casting machine. We improve our quality to provide customers an excellent quality and seismic-resistant H Beam.

### 3.2 煉鋼-高爐與電爐的複合製程 (Steel making process: combination of BF and EAF process)

中龍為國內唯一同時具備高爐、轉爐及電爐設備之鋼廠，可依產品需求進行製程調配，滿足業界用料需求。添加鐵水有助於降低氣體含量，提高內部品質。全廢鋼或高比例廢鋼生產，可提供低碳排鋼材。

DSC is the only wholly integrated steel plant in Taiwan with two blast furnaces, three basic oxygen furnaces, and one electric arc furnace. We can adjust the manufacturing process according to different product demand. Adding hot metal helps reduce gas content and improve internal quality. Production using all scrap or a high proportion of scrap can provide low-carbon-emission steel.

### 3.3 精煉-真空脫氣爐 (Secondary steel making process - vacuum degasser)

中龍為目前國內唯一投入真空脫氣爐設備之H型鋼廠，該設備可降低鋼液氫含量，以減少鋼胚氣孔發生率。並能大幅提升型鋼斷面收縮率(厚度方向延展性)，有效強化其抗層狀撕裂之能力。

DSC is the only H beam manufacturer that has a vacuum degasser in Taiwan. This equipment reduces the hydrogen content in hot metal to lower the incidence of voids in blooms. It can also enhance the contraction of cross-section (through-thickness characteristics) and strengthen anti-cracking ability.

### 3.4 連鑄-氣密式澆鑄 (Shrouding continuous casting)

採全氣密式澆鑄生產，防止鋼液於連鑄時發生二次氧化，以減少不良介在物產生，有效提昇鋼材清淨度與韌性表現。

By adopting shrouding continuous casting, reoxidation of molten steel during continuous casting is prevented, reducing the generation of harmful inclusions and effectively improving the cleanliness and toughness of steel products.

### 3.5 品質保證 (Quality assurance)

中龍所出產的每一支H型鋼，都必須經由超過70個品管項目的嚴格檢驗，並且透過全斷面雷射量測設備完整監控產品尺寸精度。我們用心，只為成就「安心」。

Every H-shaped steel produced by DSC must undergo strict inspection of more than 70 quality control items and be fully monitored for dimensional accuracy through a cross-sectional laser measuring device. We devote ourselves to achieving peace of mind.

