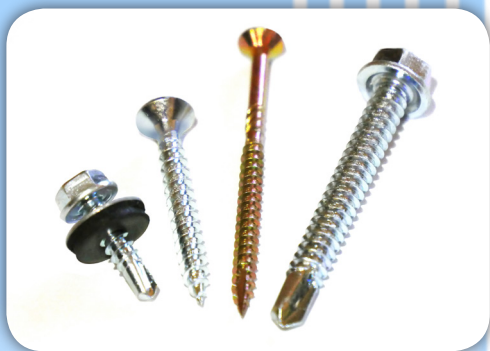




聚亨集團 TYC—NS

實現了
上下游垂直整合的產業鏈結構

Tycoons Group
Realized the structure of upstream & downstream
vertical integration supply chains.







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COMPANY INTRODUCTION

公 司 沿 革

經營理念

Theory of Business

求 新 求 變 超 越 自 我
A desire for new changes and exceeding of oneself

HISTORY

- 1980 Tycoons Group Enterprise Co., Ltd. (TGE) founded in Kaohsiung, Taiwan.
- 1994 TGE received " Top Quality Award " from ministry of Economy, Taiwan Republic of China.
- 1995 TGE accredited ISO-9002 certificate by Germany TUV and BCIQ Taiwan.
- 1995 TGE become listed company in the Stock Exchange of Taiwan.
- 1996 Established Tycoons Worldwide Group (Thailand) Co., Ltd. (TWG)
- 1999 TWG complete Phase 1 Factory Building and started mass production.
- 2001 TWG attained ISO-9001 & ISO-14001 certification.
- 2003 Huanghua Jujin Hardware Products Co., Ltd. is established in China focusing on Low-Carbon Wire and Alloy Wire production.
- 2003 TWG converted into public company limited.
- 2010 Yuan Zhen Investment Co., Ltd issued common stocks for cash, participating in capital increase for Franbo Lines Corp.
- 2011 Tycoons (Thailand) issued Taiwan Depositary Receipts (TDR) in Taiwan; reinvest to TY Steel Co., Ltd.
- 2012 In July, Financial Supervisory Commission approved domestic secured convertible bonds.
- 2013 In April, Brunei Holding Company reinvested TYCOONS VIETNAM CO., LTD.
- 2014 TY Steel Co. Ltd. start-up of electric arc furnace.

TYCOONS Thailand



Tycoons Worldwide Group
(Thailand) Public CO., LTD.
Thailand Tycoons, located in
ASEAN international trade center

泰國聚亨 位處東南亞國協中心

TY Steel



Ty Steel Company Limited is an
important supply chain for the
ASEAN steel market

太宇鋼鐵 為東協鋼鐵市場重要供應鏈

TYCOONS



Tycoons Group Enterprise
(Taiwan) Tycoons, located in
largest center in the

台灣聚亨 位處全球

1980 聚亨企業股份有限公司 (TGE) 在台灣高雄成立
 1994 TGE 榮獲中華民國經濟部頒發 " 國家磐石獎 "
 TGE 通過 TUV 和台灣經濟部商檢局 (BCIQ) 的 ISO-9002 品質管理系統認證
 1995 TGE 在台灣證交所掛牌上市
 1996 成立 Tycoons Worldwide Group (Thailand) Co., Ltd (TWG)
 1999 TWG 完成第一階段建廠並開始量產
 2001 TWG 獲得 ISO-9001 及 ISO14001 認證
 2003 轉投資大陸設立黃驊聚金五金製品有限公司生產中低碳及合金線材
 2003 TWG 轉為大眾有限公司，並在泰國證交所掛牌上市
 2010 控股公司元偵投資股份有限公司辦理現金增資參予正德海運增資
 2011 泰國聚亨回台灣發行存託憑證 (TDR)，轉投資太宇股份有限公司
 2012 金管會 7 月核准發行國內有擔保轉換公司債
 2013 4 月設立汶萊控股公司轉投資越南聚亨責任有限公司
 2014 太宇電弧爐啟用

FACTORIES

Taiwan



Enterprise CO., LTD.
 Located in the 2nd
 world for Fasteners

全球第二大扣件中心

TYCOONS China



Huanghua Jujin Hardware Products
 CO., LTD.

China Jujin, the supply center of
 standard parts and materials for Chinese
 automobile. TS16949

中國聚金 中國汽車標準件材料供應中心

TYCOONS Vietnam



Tycoons Vietnam CO., LTD.
 Vietnam Tycoons is the supply
 center for materials in Vietnam

越南聚亨 為越南材料供應中心

PRODUCTS

產

品

screws

Drywall screws
Self-drilling screws
Self-tapping screws
Chipboard screws
Wood screws
Machine screws
Concrete screws
Collated screws
Deck Screws

Fastener

ARC Welding Stud
(Shear Connector)
Hex Socket Head Screws
Hex Head Cap Screws
Threaded Rods

小螺絲

牆用螺絲
鑽尾螺絲
自攻螺絲
塑板螺絲
木螺絲
機械螺絲
水泥螺絲
鍊帶螺絲
甲板螺絲

扣件

剪力釘（電弧熔接式）
內六角螺栓
六角頭螺栓
牙條



線材

冷打級線材 (CHQ 線材)
低碳鋼線材
中高碳鋼線材
低合金鋼線材

生產規格

線徑 2.2mm~25.0mm

Annealing Wire

Cold Heading Quality Annealing Wire (CHQ Annealing Wire)
Low Carbon Steel Annealing Wire
Medium, High Carbon Steel Annealing Wire
Low Alloy Steel Annealing Wire

Production Specification

Diameter ϕ 2.20mm~25.0mm Wire

小鋼胚

生產規格

Dimensions

Material

Billet

Production Specification

150 * 150 mm

SWRCH08, SWRCH10, SR24, SWRCH15K

SWRCH18, SWRCH22, 10B21, 10B33

SD40, SD50



盤元與鋼筋

低碳鋼盤元
高碳鋼盤元
低合金鋼盤元
冷打級 (CHQ) 冷鍛碳鋼盤元
鋼筋

生產規格

盤元	線徑 ϕ	5.5mm - 27.0mm
捲狀光面鋼筋	線徑 ϕ	6.0mm - 25.0mm
光面鋼筋	線徑 ϕ	6.0mm - 9.0mm
捲狀光節鋼筋	線徑 ϕ	10.0mm - 25.0mm
盤元鋼筋	線徑 ϕ	10.0mm - 40.0mm

Wire Rods and Steel Bar

Low Carbon Steel Wire Rods
High Carbon Steel Wire Rods
Low Alloy Steel Wire Rods
Carbon Steel Wire Rods For Cold Heading and Cold Forging
Steel Bar

Production Specification

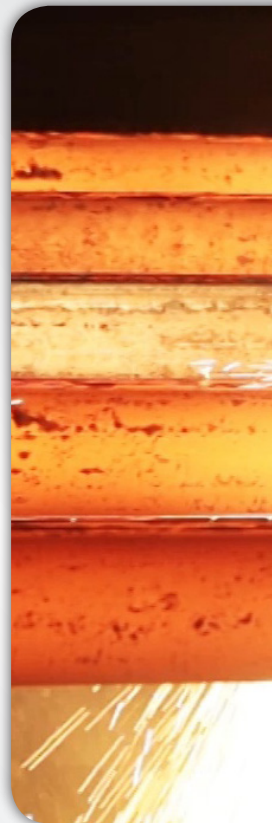
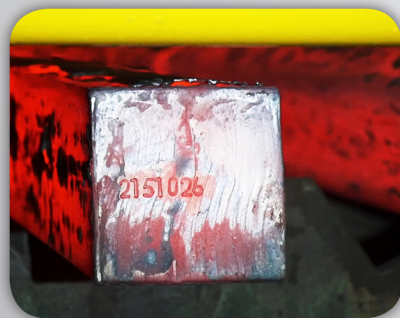
Diameter ϕ	5.5mm - 27.0mm for Wire Rod
Diameter ϕ	6.0mm - 25.0mm for Round bar in Coil
Diameter ϕ	6.0mm - 9.0mm for Straight Round bar
Diameter ϕ	10.0mm - 25.0mm for Deformed Bar in Coil
Diameter ϕ	10.0mm - 40.0mm for Straight Deformed Bar

STEELMAKING PROCESS

煉 鋼 製 程

廢鋼輻射檢驗 - 電弧爐熔煉 - 成分分析 - 精煉爐 - 合金副料添加

Scrap Radiation Inspection - Electric Arc Furnace - Analysis of Chemical Elements - Ladle Fu



煉鋼製程主要設備

1. 電弧爐
2. 精煉爐
3. 連續鑄造機
4. 輻射偵測器 (門框式)
5. 分光儀

STEELMAKING PROCESS MAIN EQUIPMENTS

- Electric Arc Furnace
Ladle Furnace
Continuous Casting
Radiation Inspection
Spectroscope

加 - 成分檢驗 - 連續鑄造機 - 打印編號 - 小鋼胚

urnace - Auxiliary - Testing of Chemical Elements - Continuous Casting - Billet Stamping - Billet



ROLLING PROCESS

軋鋼製程

小鋼胚 - 磁粉探傷 - 表面研磨 - 加熱爐 - 軋延 - 冷卻床 - 檢驗 - 捆紮
- 盤元 / 盤元鋼筋 / 直棒鋼筋

Billet - Magnetic Particle Inspection - Billet Grinding - Reheating Furnace - Rolling line - Cooling bed
- Inspection - Strapping - Wire Rod / Deform Bar in Coil / Deform Bar



軋鋼製程主要設備

1. 加熱爐
2. 軋延設備
3. 冷卻床
4. 飛剪機
5. 感應式加熱爐

ROLLING PROCESS MAIN EQUIPMENTS

Reheating Furnace
Rolling Mill Stand
Cooling Bed
Flying Shear
Induction Furnace



WIRE DRAWING PROCESS

抽 線 製 程

盤元 - 粗抽 - 球化 - 酸洗 - 精抽 - 線材

Wire Rod - Intermediate Drawing - Spheroidizing

- Pickling & Coating - Fine Drawing/ Skin Pass - Annealing Wire



抽線製程主要設備

1. 球化爐
2. 酸洗設備
3. 伸線機組

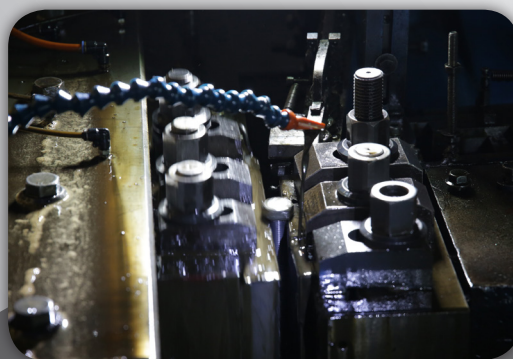
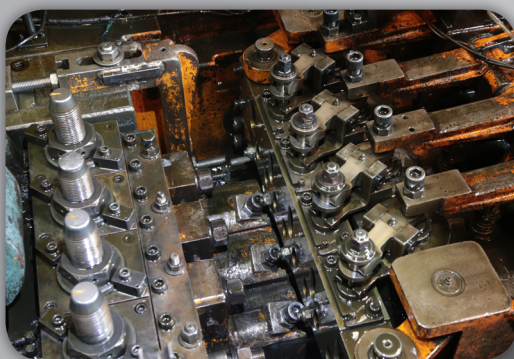
WIRE DRAWING PROCESS MAIN EQUIPMENTS

Annealing Furnace
Pickling Equipment
Wire Drawing Machine



SCREWS MANUFACTURING PROCESS

螺 絲 製 程



線材 - 成型加工 - 熱處理 - 表面處理 - 成品 - 包裝

Annealing Wire - Heading & Threading - Heat Treatment - Surface Treatment - Quality Inspection - Packing



螺絲製程主要設備

1. 打頭機
2. 成形機
3. 軋牙機
4. 熱處理爐
5. 表面處理設備
6. 包裝設備

SCREWS MANUFACTURING PROCESS MAIN EQUIPMENTS

Heading Machine
Forming Machine
Threading Machine
Heat Treatment Equipment
Surface Treatment Equipment
Packing Equipment



QUALITY ASSURANCE

品質保證



台灣聚亨 TYCOONS Taiwan

認證機構 Inspection Unit

SGS	ISO9001
TAF	Management System Certification MS001
EURO CERT	CE 14566
Engineering Test Institute, Brno, Czech Republic	CE 14592
經濟部標準檢驗局	CNS 12681 / ISO9001 台正字 7407 號 電弧樁熔接用柱樁 - 混凝土固定及剪力連接樁

泰國聚亨 TYCOONS Thailand

認證機構 Inspection Unit

UKAS	ISO9001 / ISO14001
SGS	ISO9001 / ISO14001
Engineering Test Institute, Public Enterprise	EN 15048 / EN 14592
EURO CERT	EN 14566
Thai Industrial Standards Institute	ISO/IEC 17025



ENVIRONMENTAL PROTECTION

環 境 保 護



To preserve the environment, we are always observing and fulfilling.
We have continued to promote ISO14001 grade green production in order
to be more environmental friendly

對環境保護的期待 我們一直用心觀察與實現
我們持續推動 ISO14001 綠色生產
讓地球更美好

EMPLOYEE CARE

員工照顧



讓每一個感動 啟動生活的節奏
讓每一個畫面 聽見幸福的聲音

Let each touch to start life swing.
Let each frame to listen happy voice.



SINCERITY IN CUSTOMER SERVICE

用誠心為客戶服務

Your satisfied smile is our biggest motivation.

是我們前進的最大動力
您的滿意微笑

SCREWS and FASTENER PRODUCTION SPECIFICATION

螺絲與扣件生產規格

螺絲生產規格 Production Specification

尺寸 Diameter	長度 Length
#6 ~ #14	1/2" ~ 10"
3.5 ~ 6.3 mm	13 ~ 250 mm

剪力釘 產品單件重量對照表

單位：公克 Unit : gram

Shear Connector the table of weights of single unit of products

長度 Length	標準直徑 The standard diameter	M13(1/2)	M16(5/8)	M19(3/4)	M22(7/8)
50	(2")	75	—	—	—
55	(2-1/8")	79	121	164	—
60	(2-3/8")	83	130	173	225
64	(2-1/2")	87	136	182	237
68	(2-11/16")	91	143	191	249
70	(2-3/4")	94	146	195	255
76	(3")	99	155	208	273
80	(3-3/16")	104	161	217	285
85	(3-3/8")	109	169	227	300
90	(3-1/2")	114	176	238	314
95	(3-11/16")	119	184	248	329
100	(3-7/8")	124	192	259	342
105	(4-3/16")	—	199	271	358
110	(4-3/8")	—	207	281	373
115	(4-1/2")	—	214	292	388
120	(4-3/4")	—	222	303	402
125	(4-7/8")	—	230	313	417
132	(5-3/16")	—	241	329	438
137	(5-3/8")	—	249	340	453
150	(5-7/8")	—	270	368	490
155	(6-1/8")	—	—	379	505
157	(6-3/16")	—	—	383	511
165	(6-9/16")	—	—	401	535
183	(7-3/16")	—	—	441	589
208	(8-3/16")	—	—	497	664

1. 表列為熔接前長度，熔接後長度約減少 3~5mm 左右

2. 表列規格以外之尺寸為訂單生產

1.The lengths listed in this table are the length before welding,and the length after welded would be reduced about 3-5mm.

2.The products with the dimensions not included in this table will be produced by special order.

聚亨集團據點

TYCOONS Group Locations

泰國聚亨 TYCOONS Thailand

聚亨企業集團 (泰國) 大眾有限公司 TYCOONS WORLDWIDE GROUP (THAILAND) PUBLIC CO., LTD.
99 Moo 1, Tumbon Nikompattana Amphur Nikompattana, Rayong 21180 Thailand

TEL: +66(33)658558

FAX: +66(38)636822

E-mail: Coil/Wire: rmsw00@tycons.com

Screw/Bolt: mktusa@tycons.com

太宇鋼鐵 TY Steel

太宇股份有限公司 TY STEEL CO., LTD.

99/8 Moo 1, Tumbon Nikompattana, Amphur Nikompattana, Rayong 21180 Thailand

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Fax: +66(38)636969

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FAX: +886(7)6227475

E-mail: twsm2@mail.tycons.com.tw

越南聚亨 TYCOONS Vietnam

越南聚亨責任有限公司 TYCOONS VIETNAM CO., LTD.

MY XUAN A2 INDUSTRIAL ZONE, MY XUAN WARD, PHU MY TOWN, BA RIA VUNG TAU ROVINCE, VIETNAM

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FAX: +084 0254.3921723

E-mail: tycoonsvietnam@gmail.com

中國聚金 TYCOONS China

黃驊聚金五金製品有限公司 HUANGHUA JUJIN HARDWARE PRODUCTS CO., LTD.

BAIZHUANG JIUCHENG TOWN HUANGHUA CITY HEBEI PROVINCE CHINA (061109)

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FAX: +86(317)5656607

E-mail: China: jujinb120@163.com

Oversea: chinajujin@vip.163.com

聚亨集團 **TYC** **NS**

Tycoons Group

求新求變 超越自我

A desire for new changes and exceeding of oneself

