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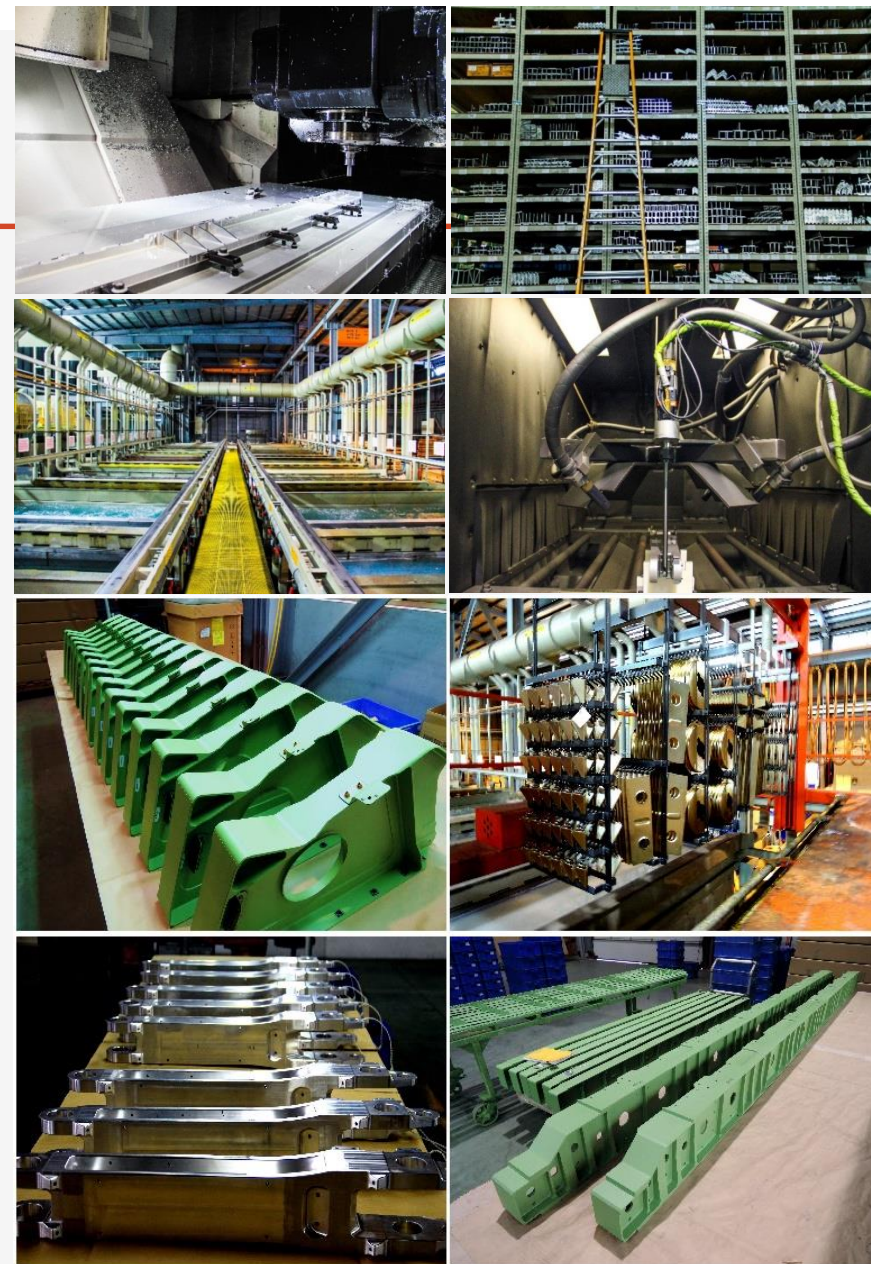


駐龍精密機械股份有限公司 Drewloong Precision Inc

航太機身結構零組件

航太引擎結構及
起落架零組件

模治具





公司概要

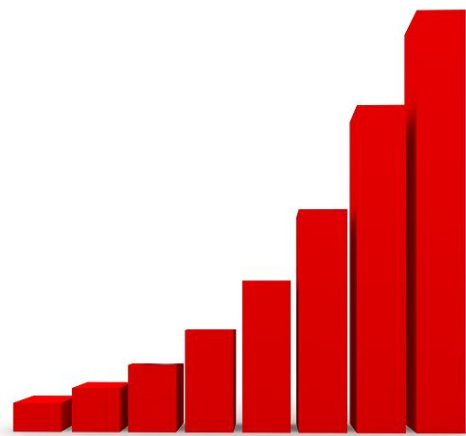
GLANCE AT DPI



230
員工

Since
2001

20年
永續經營



NT8.14億/'19
EPS 6.74



10億台幣
累計投資



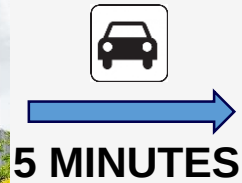
NT3.58億
資本額



廠房 PLANTS

一廠 8,700平方米

二廠10,000平方米



Headquarter

機製加工
液壓成型 鈑金
熱處理
三次元 量測

Building 1

非破壞檢測
陽極化表面處理
噴漆
實驗室

Building 2

機製加工
三次元 量測
珠擊
組裝
智慧倉儲



核心能量

CORE COMPETENCE

97%

飛機結構引擎及起落架零組件

2%

航太特殊工模具

1%

其他

STRUCTURE PARTS 結構零組件

B737 B747 B767 B777 B787 A320
Bombardier-Challenger 350

ENGINE PARTS 引擎零組件

B737MAX A320NEO

LANDING GEAR PARTS 起落架零組件

A350

MANUFACTURE 多軸精密加工與液壓鍛金成形

3/4/5 Axis CNC Machining, Hydraulic Forming

SPECIAL PROCESS 航太特殊製程

Heat Treatment, Shot Peening, Anodizing, passivation,
Non Destructive Test, Painting

ASSEMBLY 組裝技術

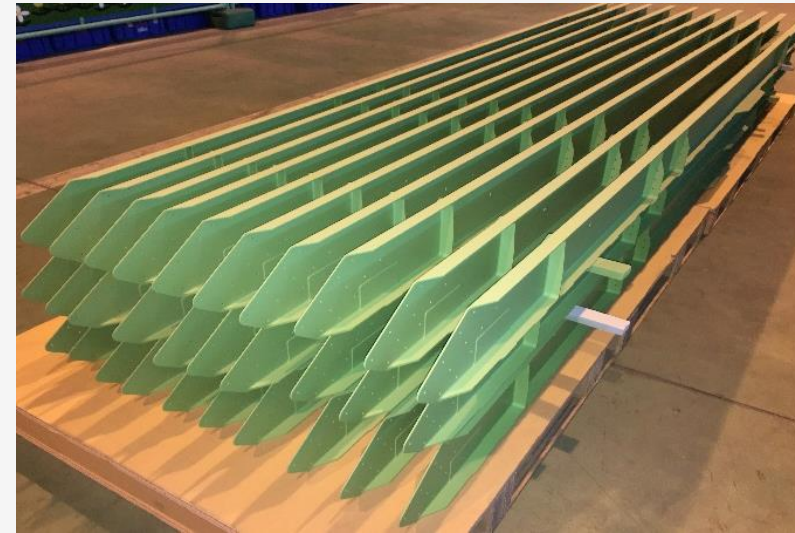
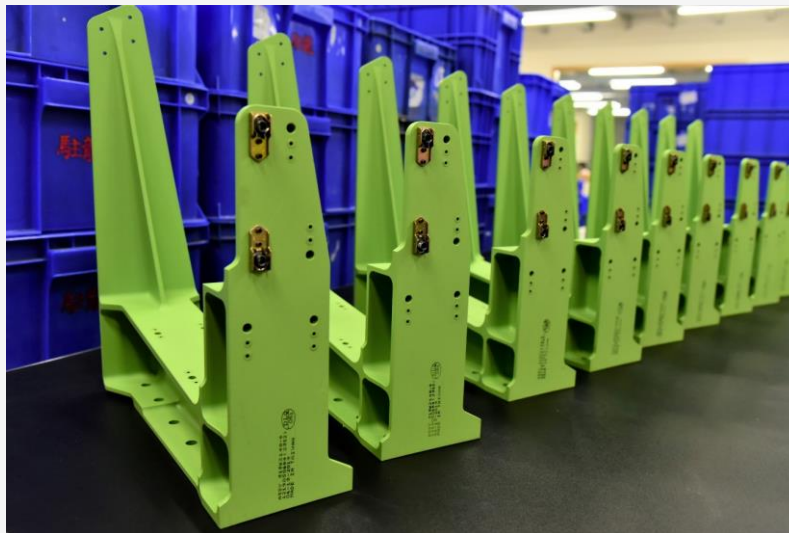
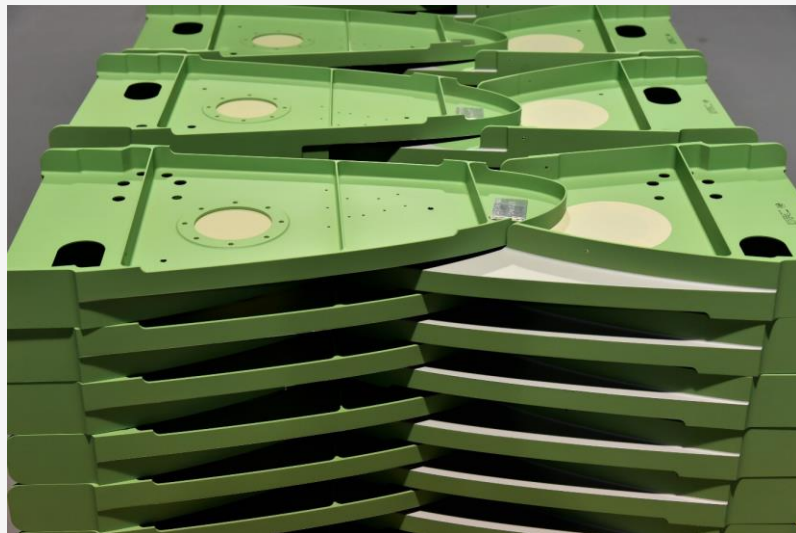


全球客戶 GLOBAL MAJOR CUSTOMERS





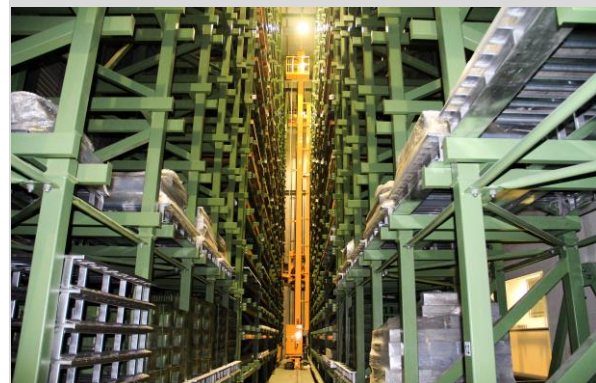
結構零組件 STRUCTURAL PARTS





完整製程能量服務 INTEGRATED FULL FABRICATION SERVICE

Material
Procurement



Forming/ Machining



Heat Treatment



Bench Work



NDT



Shot Peening



Surface Treatment



Assembly



Excellence in Global Aerospace Manufacturing



國際航太國防系統合約商認證

NADCAP CERTIFICATIONS



This certificate is granted and awarded by the authority of the Nadcap Management Council to:

Drewloong Precision Inc
No.3, Ln. 33, Zhunan Rd., Renwu Dist
Kaohsiung City, 814
Taiwan

This certificate demonstrates conformance and recognition of accreditation for specific services, as listed in www.eAuditNet.com on the Qualified Manufacturers List (QML), to the revision in effect at the time of the audit for:

NonDestructive Testing

Certificate Number: 11125179972
Expiration Date: 31 July 2019


Joseph G. Pinto
Executive Vice President and Chief Operating Officer

Performance Review Institute (PRI) | 161 Thorn Hill Road | Warrendale, PA 15086-7527



This certificate is granted and awarded by the authority of the Nadcap Management Council to:

Drewloong Precision Inc
No. 166 Bade 2nd Rd., Renwu Dist.
Kaohsiung, 814
Taiwan

This certificate demonstrates conformance and recognition of accreditation for specific services, as listed in www.eAuditNet.com on the Qualified Manufacturers List (QML), to the revision in effect at the time of the audit for:

Heat Treating

Certificate Number: 7894183370
Expiration Date: 31 January 2020


Joseph G. Pinto
Executive Vice President and Chief Operating Officer

Performance Review Institute (PRI) | 161 Thorn Hill Road | Warrendale, PA 15086-7527



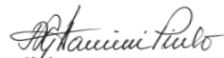
This certificate is granted and awarded by the authority of the Nadcap Management Council to:

Drewloong Precision Inc
No.3, Ln. 33, Zhunan Rd., Renwu Dist
Kaohsiung City, 814
Taiwan

This certificate demonstrates conformance and recognition of accreditation for specific services, as listed in www.eAuditNet.com on the Qualified Manufacturers List (QML), to the revision in effect at the time of the audit for:

Surface Enhancement

Certificate Number: 11125178052
Expiration Date: 30 April 2019


Joseph G. Pinto
Executive Vice President and Chief Operating Officer

Performance Review Institute (PRI) | 161 Thorn Hill Road | Warrendale, PA 15086-7527



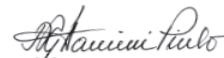
This certificate is granted and awarded by the authority of the Nadcap Management Council to:

Drewloong Precision Inc
No.3, Ln. 33, Zhunan Rd., Renwu Dist
Kaohsiung City, 814
Taiwan

This certificate demonstrates conformance and recognition of accreditation for specific services, as listed in www.eAuditNet.com on the Qualified Manufacturers List (QML), to the revision in effect at the time of the audit for:

Chemical Processing

Certificate Number: 11125194811
Expiration Date: 31 July 2019


Joseph G. Pinto
Executive Vice President and Chief Operating Officer

Performance Review Institute (PRI) | 161 Thorn Hill Road | Warrendale, PA 15086-7527



產品 DPI PARTS BY SECTIONS

Aero Structure

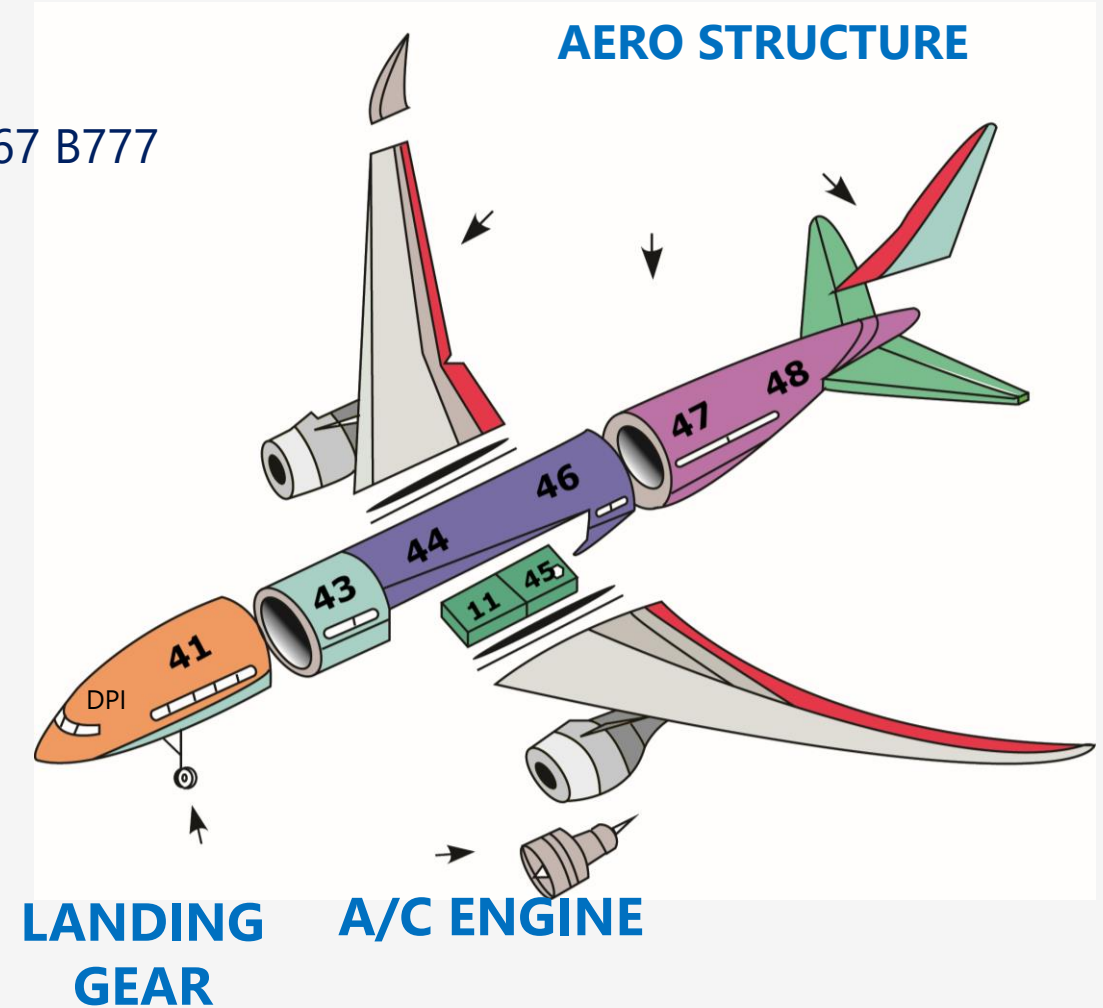
4628P/N in B737 B747 B767 B777
B787

Aircraft Engine

30P/N in LEAP-1A/1B

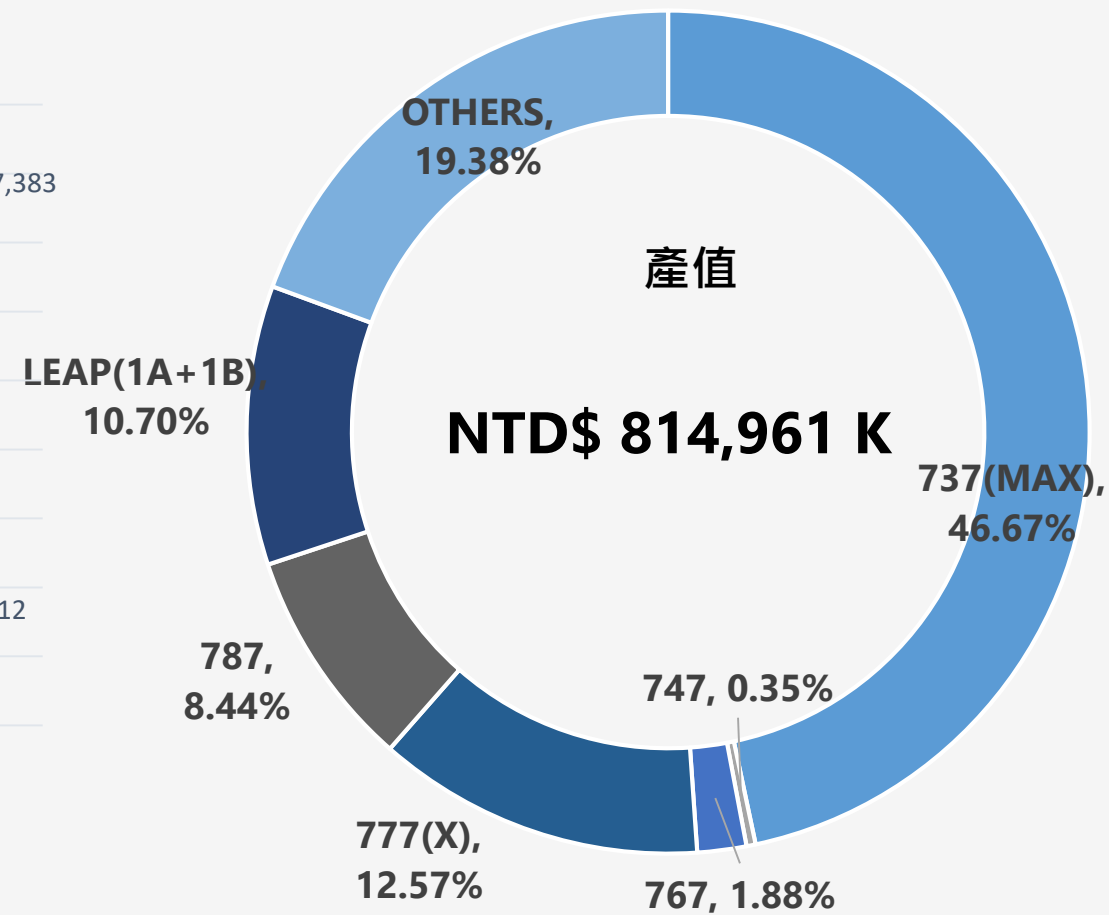
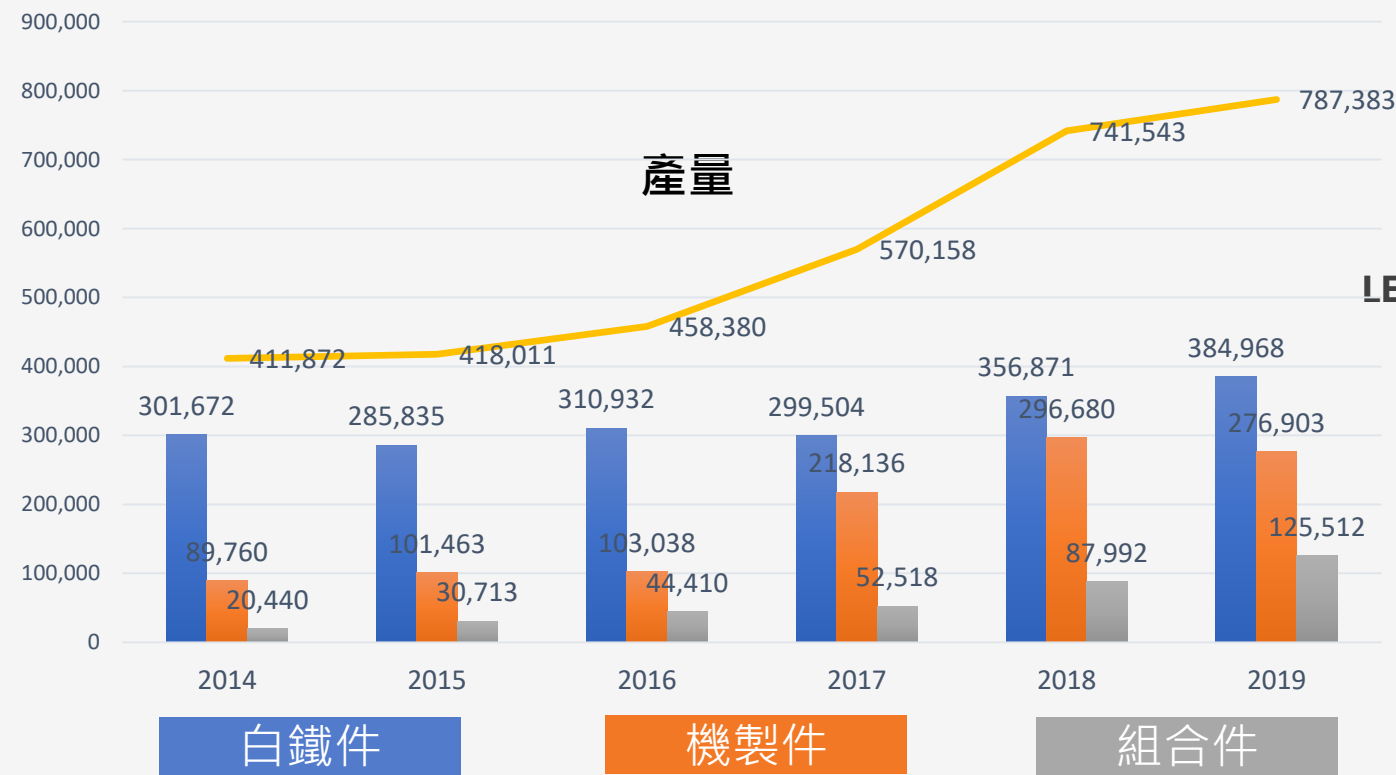
Landing Gear

4P/N in A350



2019 營業數據

複合成長率(CAGR) : 13.84%。
營業額 : NTD 8.14億。
每股盈餘 : NTD 6.74元。



未來航空製造市場分析 – 從波音系統預測

未來20年(2020-2039)航空飛行機,預計總需求數：**43,110**架,其中 仍以單走道飛機為主要需求。
52%屬於成長需求;48%為汰換目標。

EXECUTIVE SUMMARY

COMMERCIAL MARKET OUTLOOK 2020-2039

20-Year Market Demand



2,430 Deliveries
Regional Jet



32,270 Deliveries
Single Aisle



7,480 Deliveries
Widebody



930 Deliveries
Freighter

43,110
Global Deliveries

3.2%
Fleet
Growth

2.5%
GDP
Growth

4.0%
Traffic
Growth

48,400
2039
Fleet

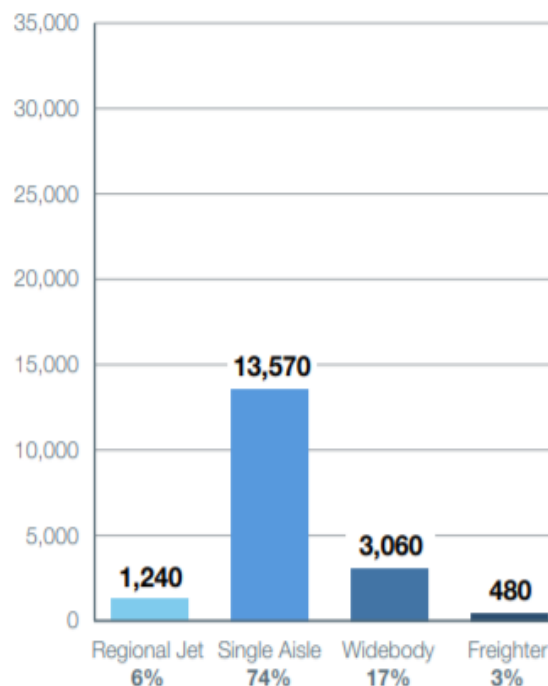
2.1M
New
Personnel

\$9,040B
Services
Market
Value



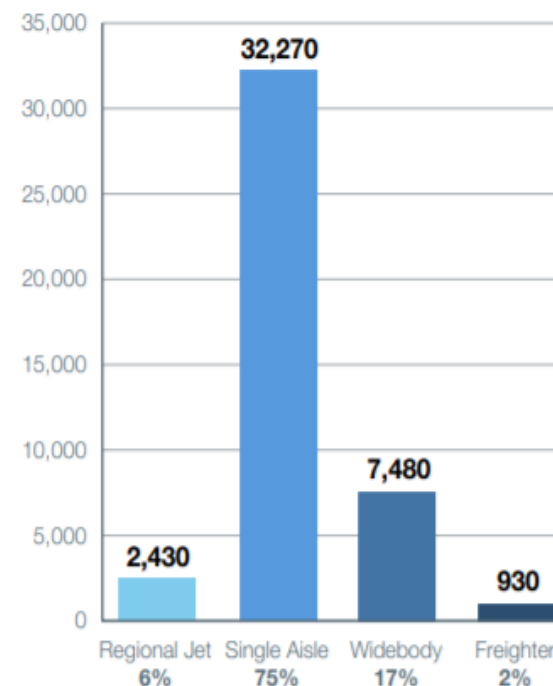
10-year forecast (2020-2029)

18,350 new airplane deliveries



20-year forecast (2020-2039)

43,110 new airplane deliveries

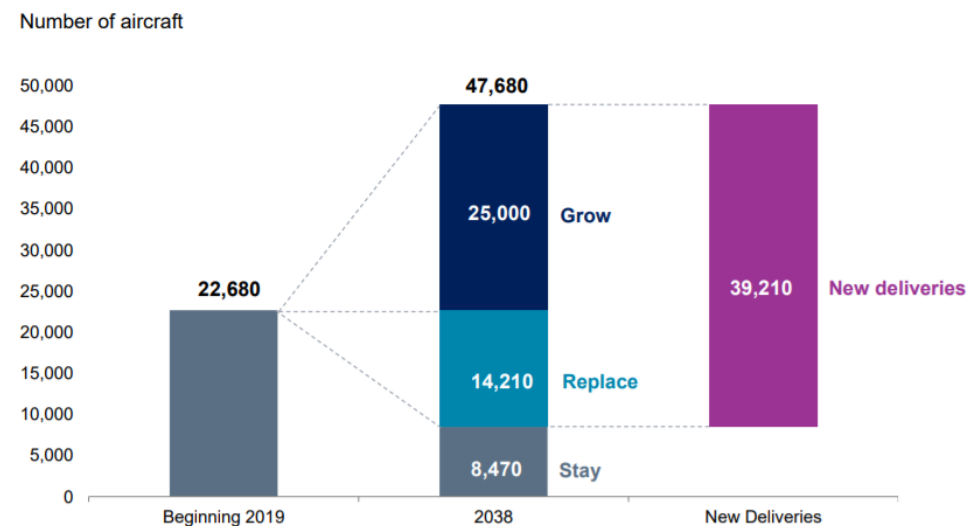


未來航空製造市場分析 – 從空巴系統預測

未來20年(2020-2038)航空飛行機,預計總需求數：**39,210**架,其中以單走道飛機為主要需求。64%屬於成長需求;36%為汰換目標。



36% of new deliveries for replacement, 64% for growth



2020 航空製造業面臨挑戰



737 MAX復飛：

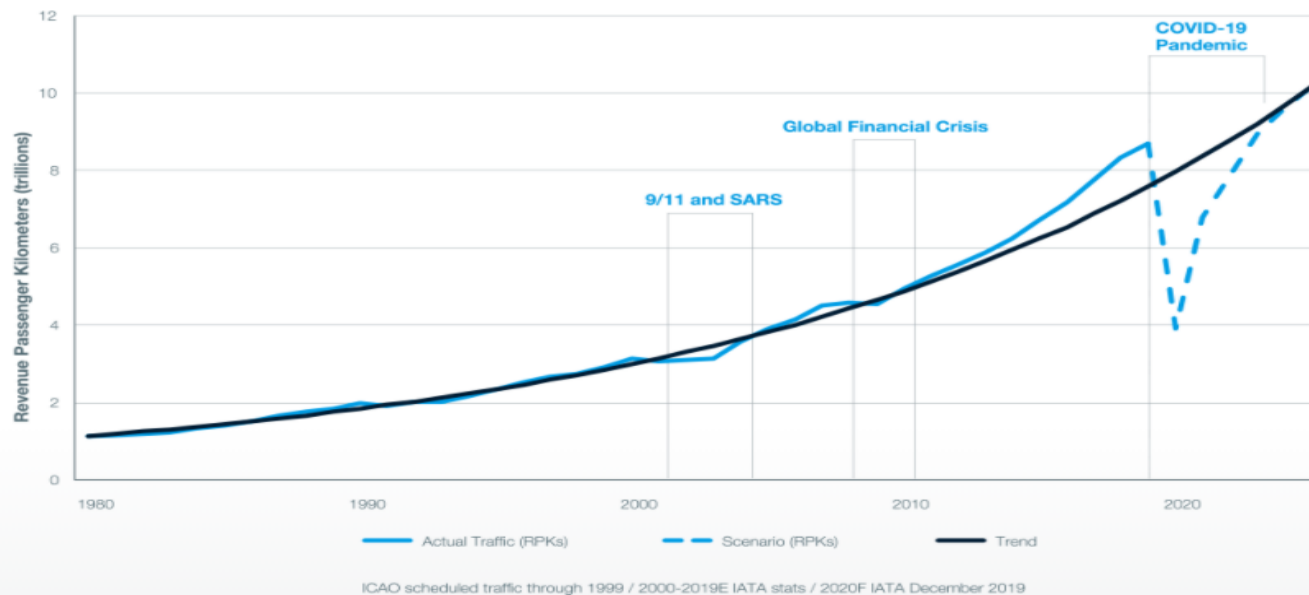
- * 2020年11/18, FAA 宣告已通過適航認證，全球復飛與交運將陸續進行。
- * 目前已取消的737MAX訂單總數達到436架



新型冠狀病毒感染事件：

- * 全球航空旅行需求預計在2021年底
前,無法恢復至2019年的水準
- * 波音和空巴皆宣布,在2021年寬體客
機產量將不會增加

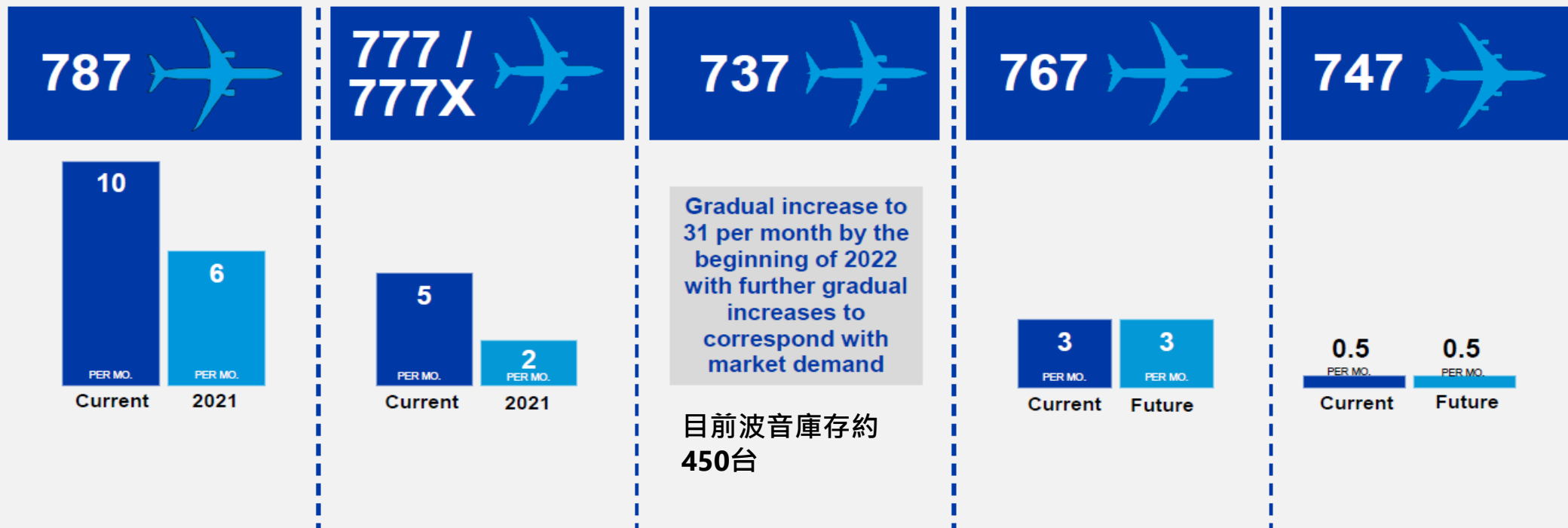
Aviation proven resilient over and over again



近50年來可影響航空市場的衝擊事件,經過一定程度的調整後,從長期需求來看,仍為穩定成長趨勢。過程中,相關供應鏈業者需努力調節產能與庫存。

2020 波音訂單目標調整

COMMERCIAL AIRPLANE PRODUCTION RATES



Total Backlog of more than 4,300 Commercial Airplanes

Production rate assumptions consistent with second quarter...continue to monitor market dynamics

業務發展與因應

疫情因應

- 1 調整生產機制、建立預備庫存、維持客戶隨時恢復之即時需求，並減少復產後趕工之窘境。
- 2 調整生產班制、降低全員出勤日，以輪值排班節省成本費用，主管每日晨會調度產能需求。
- 3 員工技能訓練、生產設備精進，並深耕數位化與智慧化工具運用。
- 4 持續參與國際競標報價以及國內國防航太工業開發計畫。



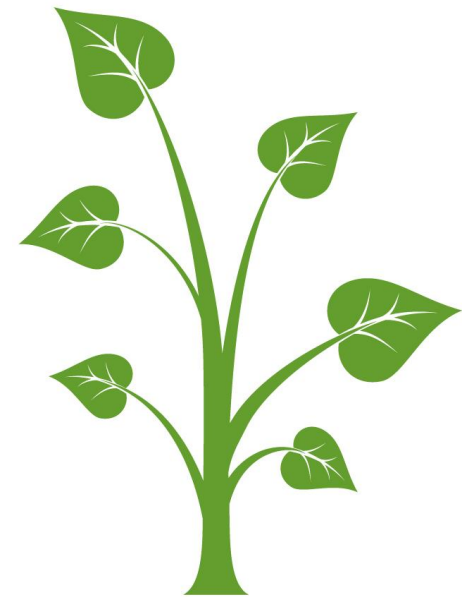
樽節成本，保持實力，訂單持續與客戶多元發展，財務健全足以克服疫情難關



業務發展與因應

未來展望

- 1 駐龍公司握有的長期訂單不變，總金額新台幣40億以上。
- 2 持續爭取拓展波音與空巴系列產品業務，運用國內外資源採取策略聯盟團隊合作模式。
加強國際市場競爭力，並適時擴展新的產能與量產技術。
- 3 經過737MAX 停飛和新冠肺炎全球衝擊之影響後，供應鏈市場可能重新洗牌。
具有應變能力、財務體質管理良好之廠商將會留存與成長，駐龍擁有的條件
可以配合市場趨勢隨時迎接挑戰。



業務發展與因應

曙光乍現

- 1 蔡總統520演說表示台灣要發展軍民整合的國防及戰略產業，進行中的國艦與國機國造計畫，將激發民間製造能量。駐龍公司長期以來在國防與航太產業鏈中能量完整，扮演重要供應商角色。
- 2 首架高教機原型機已於108年9月出廠，目前正執行測試，即將量產，115年前將完成全數交機。
- 3 國際民航組織(ICAO)建議各國政府建立共同的旅客檢疫機制，並利用數位健康護照取代目前的隔離檢疫措施，以幫助航空業恢復景氣。
- 4 隨著美國FAA公布737Max已經完成適航認證工作，加上新冠肺炎開發的疫苗逐漸問世，預計全球航空旅運以及飛機需求將會逐步復甦。





歷年營運狀況表

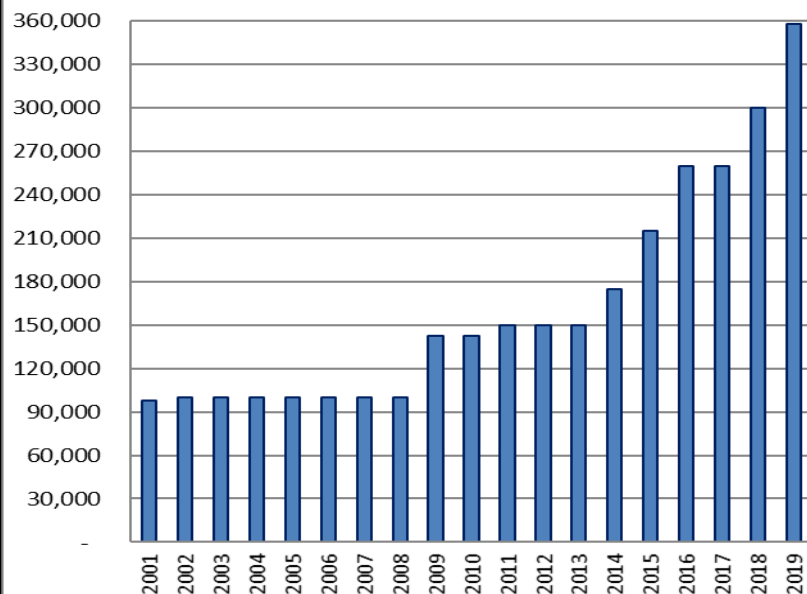
註:EPS為追溯前，當年度財務報表揭露之基本每股盈餘

單位:新台幣仟元

年度	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020/Q3
資本	98,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	142,600	142,600	150,000	150,000	150,000	175,000	215,000	260,000	260,000	300,000	358,000	358,000
營收	5,437	18,727	32,096	73,033	128,496	128,601	123,004	162,586	155,495	157,984	191,738	272,683	343,141	430,627	465,563	505,216	564,076	839,073	814,961	290,221
淨利	156	560	673	10,607	40,835	26,145	20,567	23,780	14,948	21,337	30,455	60,496	75,261	95,204	112,879	126,223	150,002	240,191	221,524	31,427
EPS(元)	0.02	0.06	0.07	1.06	4.08	2.61	2.06	2.38	1.05	1.50	2.03	4.03	5.02	5.48	5.27	5.20	5.77	8.01	6.74	0.88

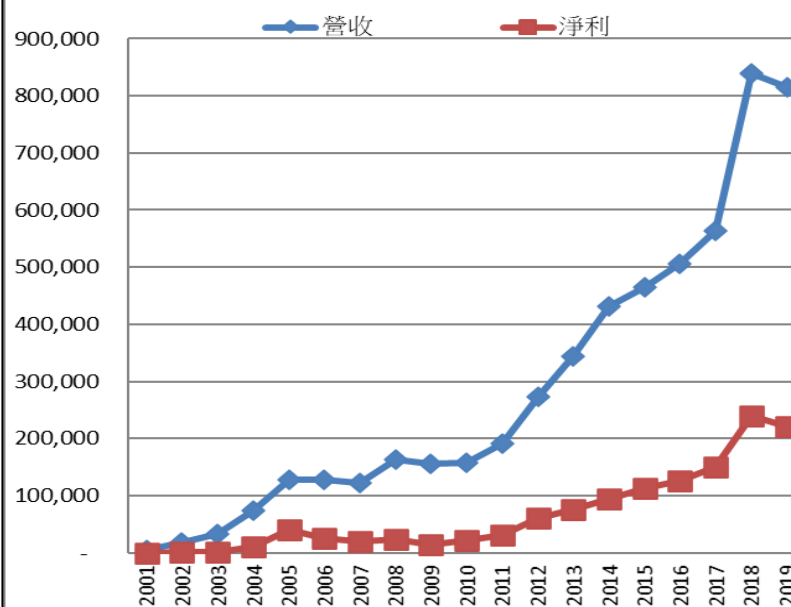
資本

單位:仟元



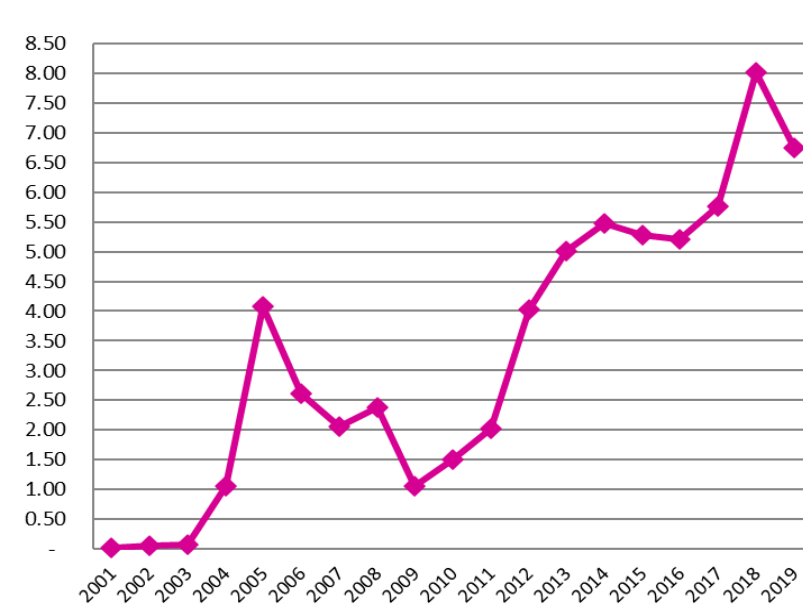
營收與淨利

單位:仟元



EPS(元)

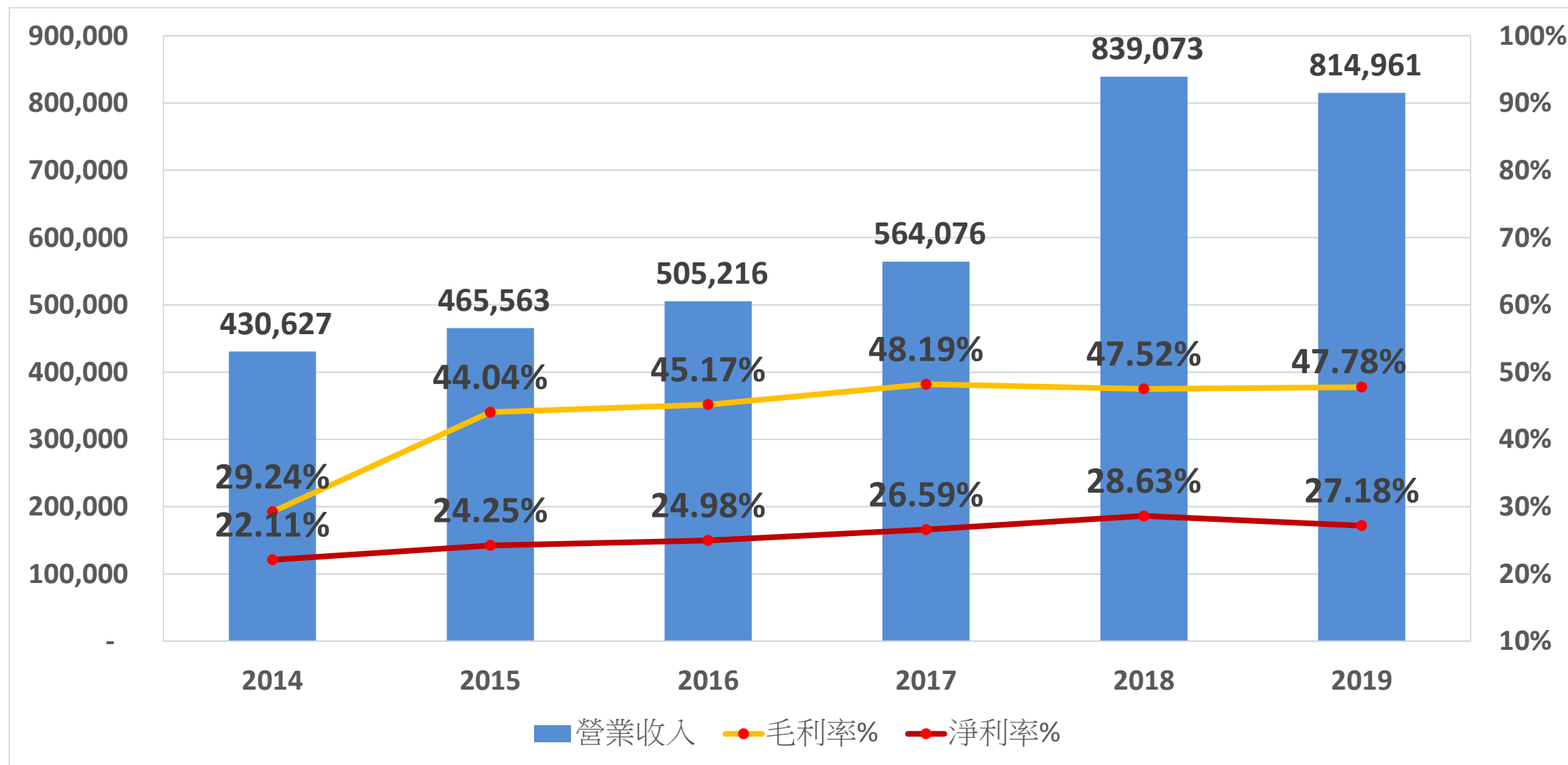
單位:元





最近六年營運狀況表

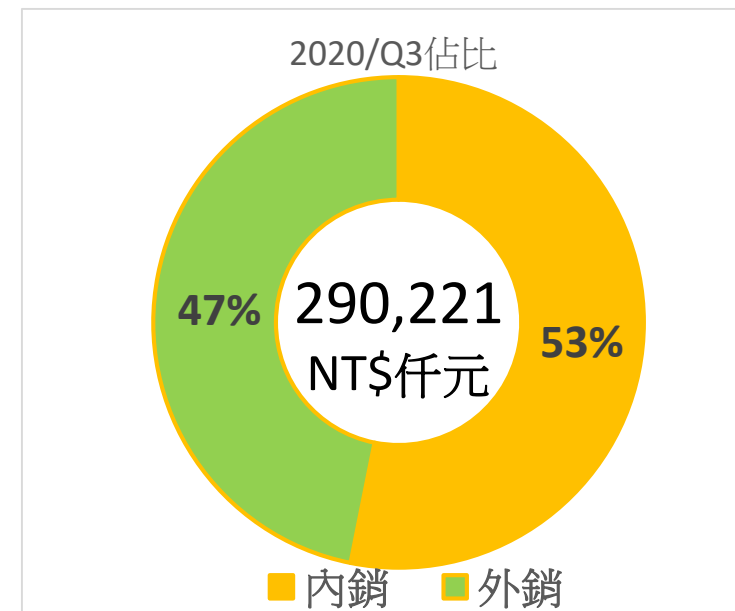
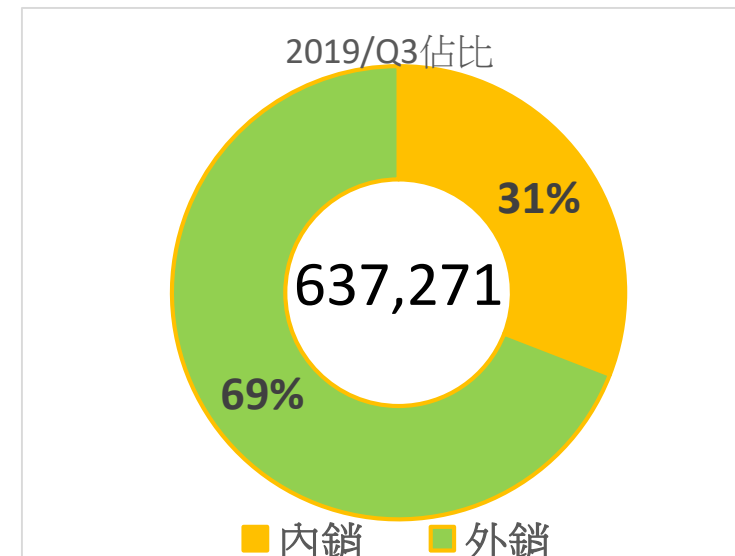
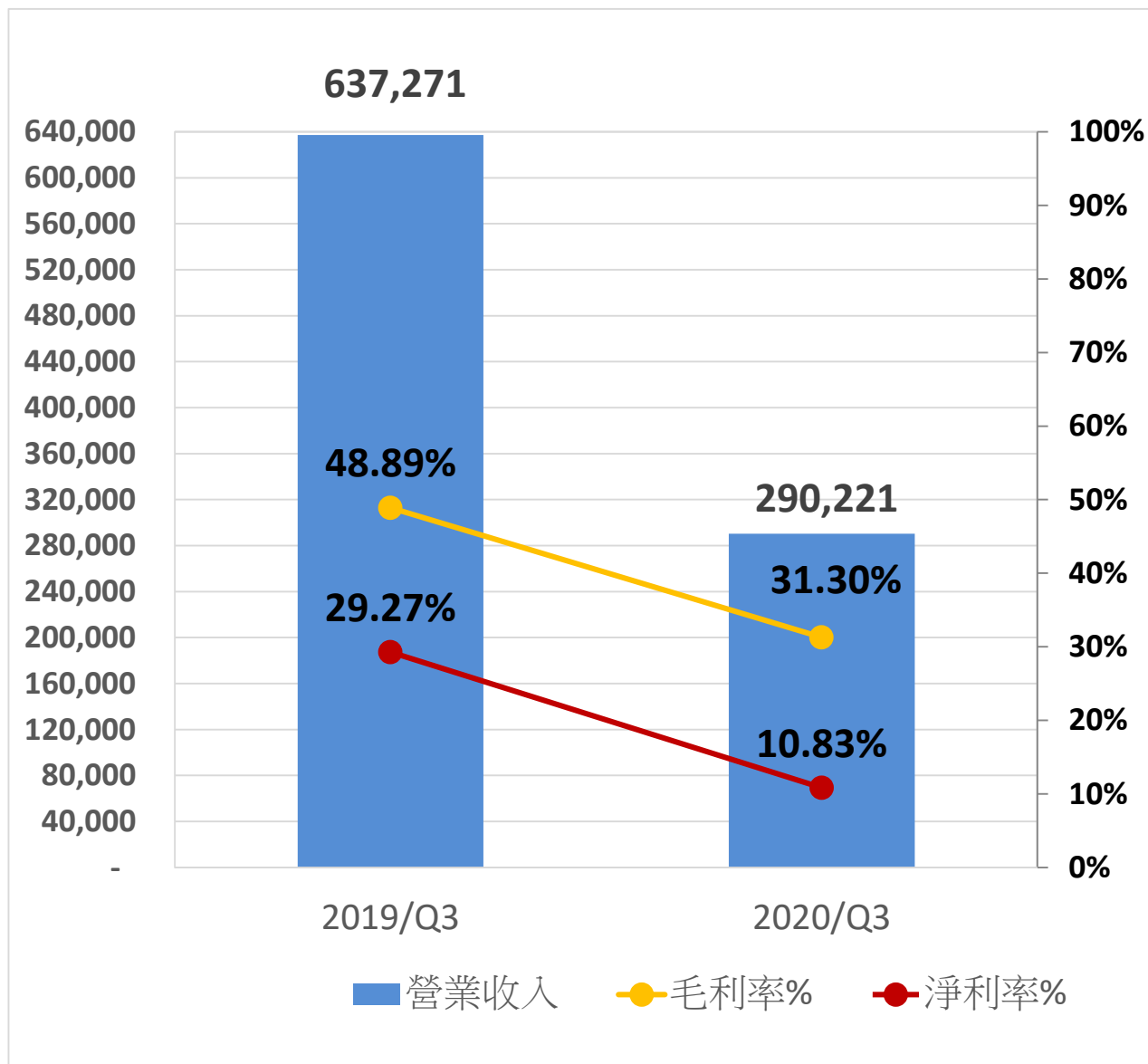
單位:新台幣仟元





2019第3季及2020第3季財務表現

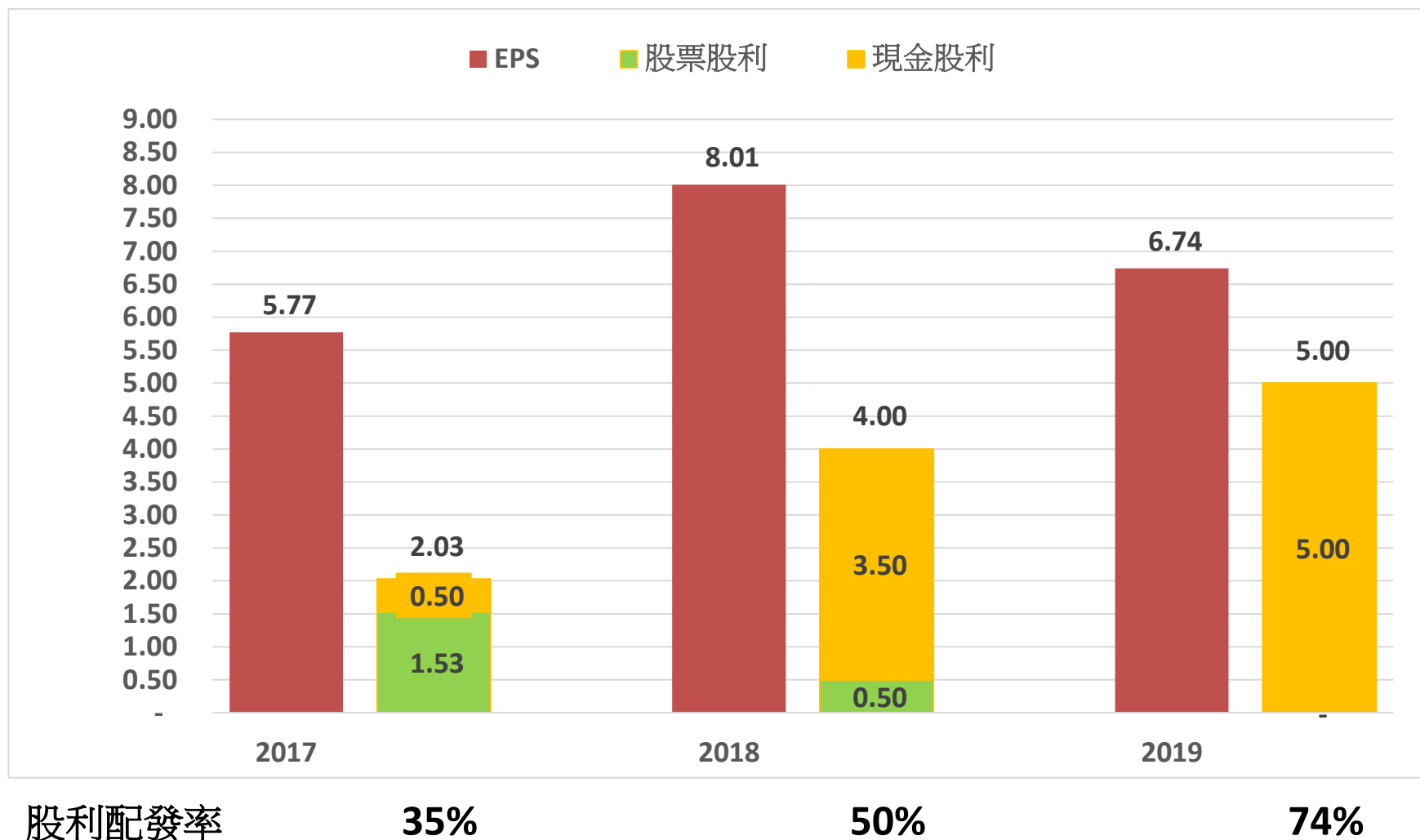
單位:新台幣仟元;%





股利政策

單位:新台幣元



註: EPS為追溯前，當年度財務報表揭露之基本每股盈餘