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駐龍公司法人說明會

DPI Investor Conference

駐龍精密機械股份有限公司

Drewloong Precision Inc.

2021年11月





簡報大綱 Outline

- 航太產業市場概況
- 駐龍公司簡介



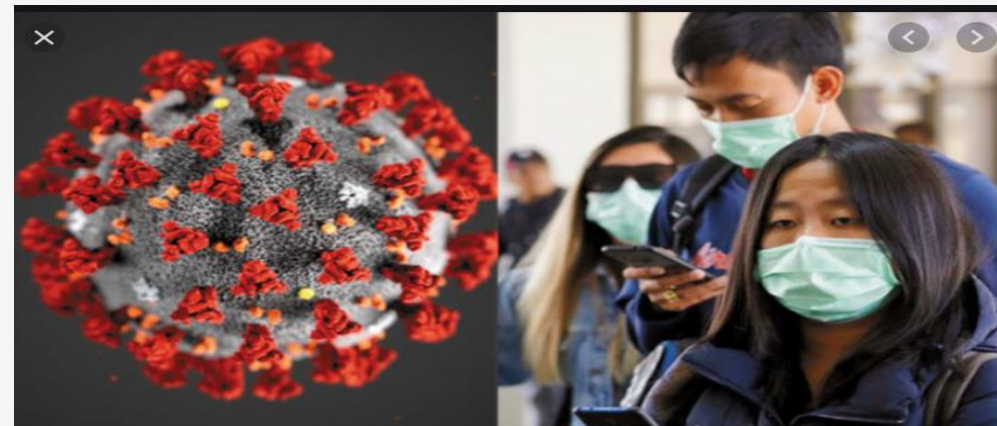
產業概況-面臨挑戰 Challenge in aerospace industry

737 MAX復飛



- 經歷兩次空難停飛20個月，在2020年11/18, 通過FAA適航認證後，全球超過 175 個國家陸續通過、惟中國仍尚未解除 737MAX 的飛航禁令。

COVID-19疫情



- 波音預測到 2023 年底或 2024 年初，全球旅行將恢復到 2019 年疫情前的水平。B737MAX及A320窄體客機有望率先復甦。



產業概況-BOEING Commercial Market Outlook I



2,390架
區間客機



32,660架
單走道客機



7,670架
廣體客機



890架
全貨機

43,610架
全球新機需求

3.1%
機隊
年均成長

2.7%
GDP
年均成長

4.0%
交通
年均成長

49,405
2040年
機隊總量

2.1M
工作機會

\$9,540B
航空服務
市場總值

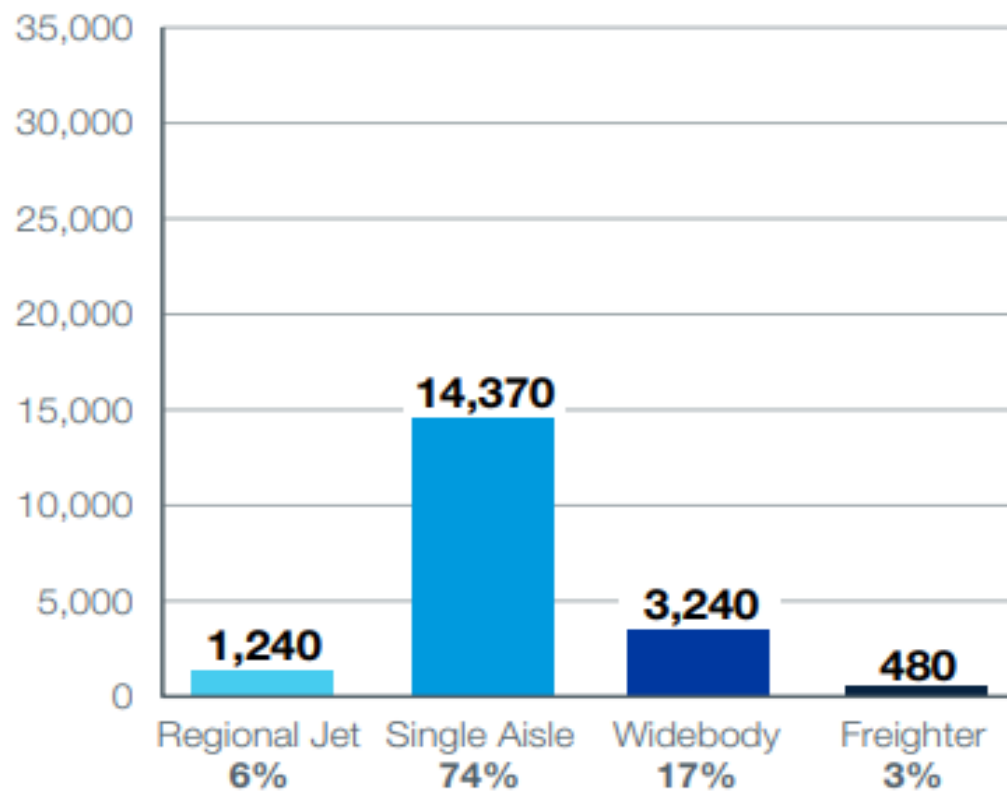


SOURCE : BOEING 2021 CMO

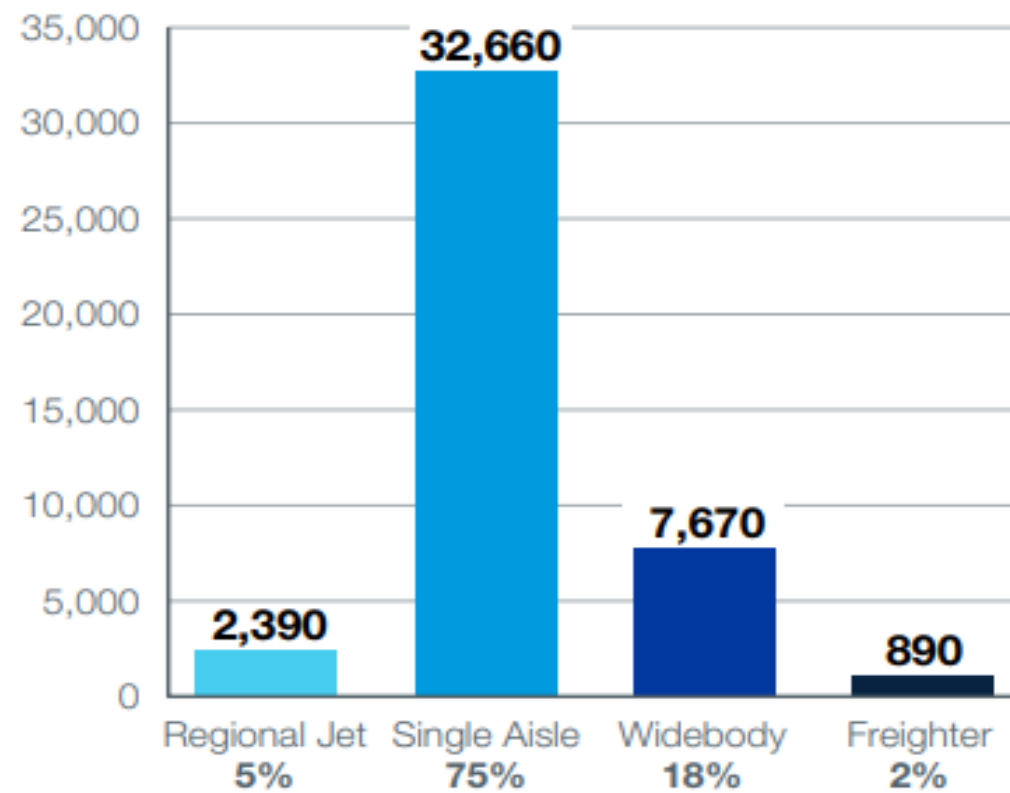


產業概況-BOEING Commercial Market Outlook II

**19,330 new airplane deliveries
(2021–2030)**



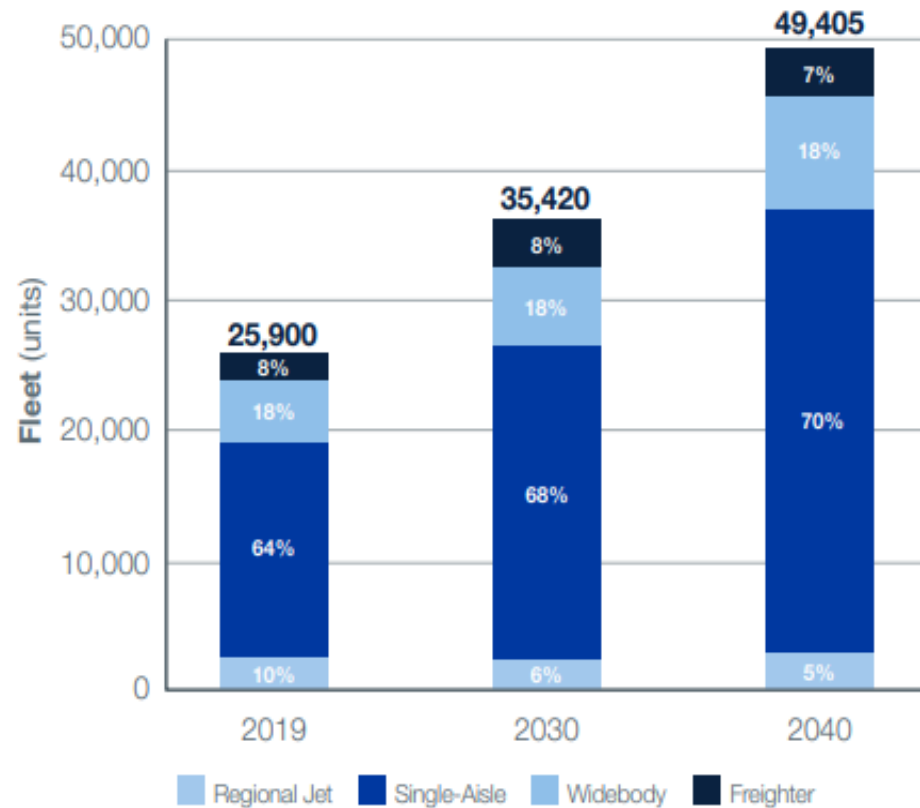
**43,610 new airplane deliveries
(2021–2040)**





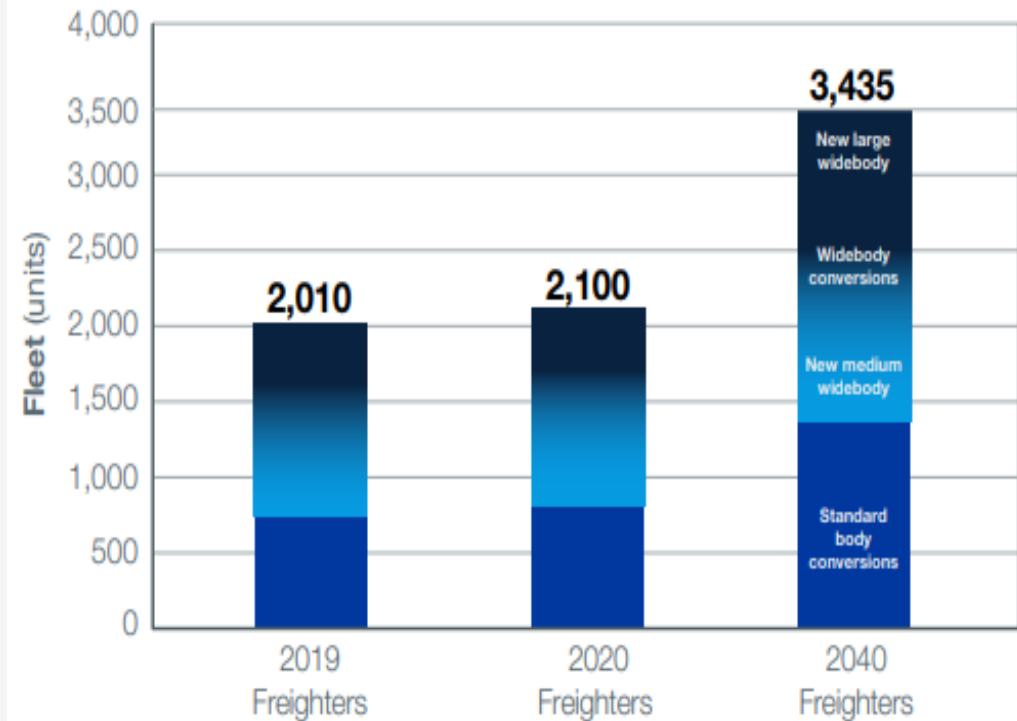
產業概況-BOEING Commercial Market Outlook III

Single aisle share of fleet rising



Freighter fleet to grow by more than 1,300 units by 2040

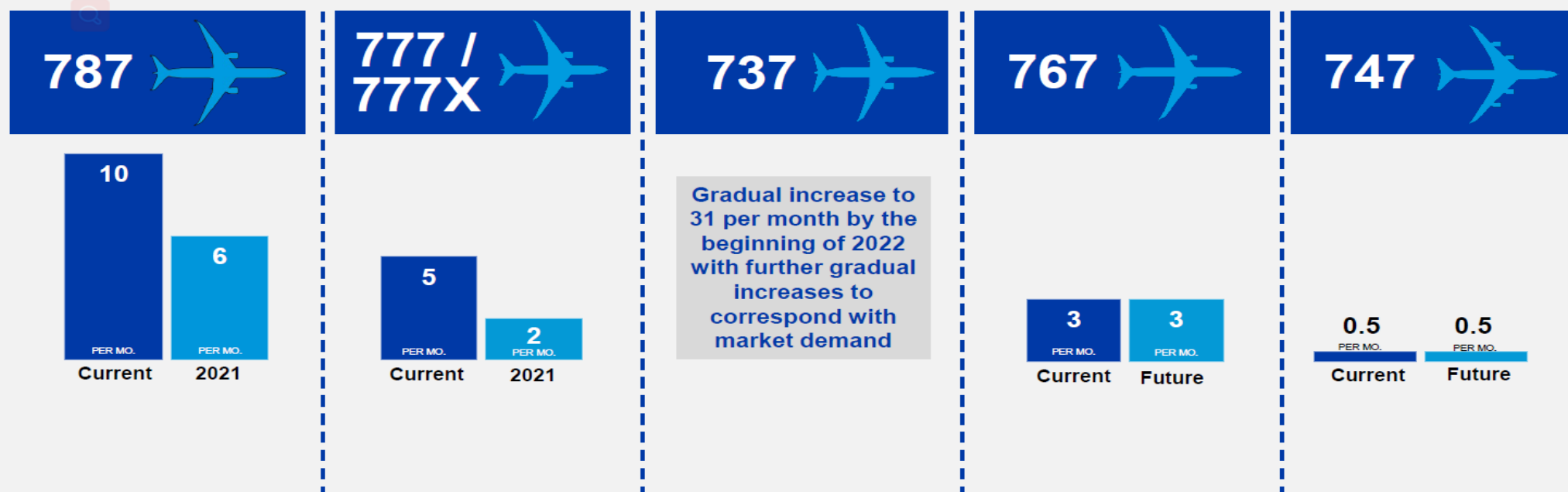
Fleet grew in 2020 by nearly 100 units due to COVID-19 surge





產業概況-BOEING Forecast Outlook

COMMERCIAL AIRPLANE PRODUCTION RATES



Total Backlog of more than 4,300 Commercial Airplanes

自去年2020/11月獲得FAA批准復飛至今年9月止已交付179架737，更重要的是，波音已消除了多達200架業內稱為“白尾”的737MAX庫存。

目前計畫以每月約19架的速度生產，預計 2022年初將增產至31架。



產業概況-BOEING Airplane Orders and Deliveries

Data through 9/30/2021

5,058

Unfilled Orders as of 9/30/2021

241

YTD Deliveries

710

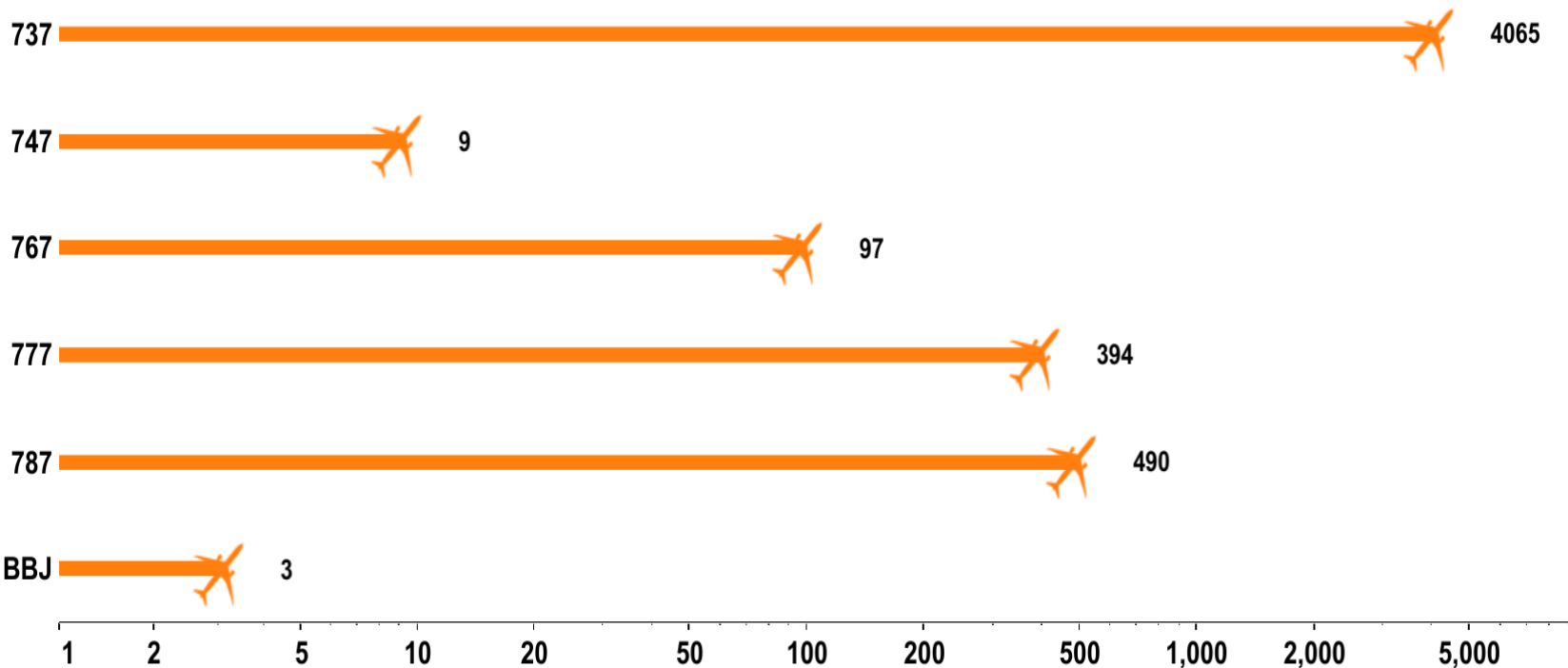
YTD Gross Orders

302

YTD Orders Net of
Cancellations/Conversions

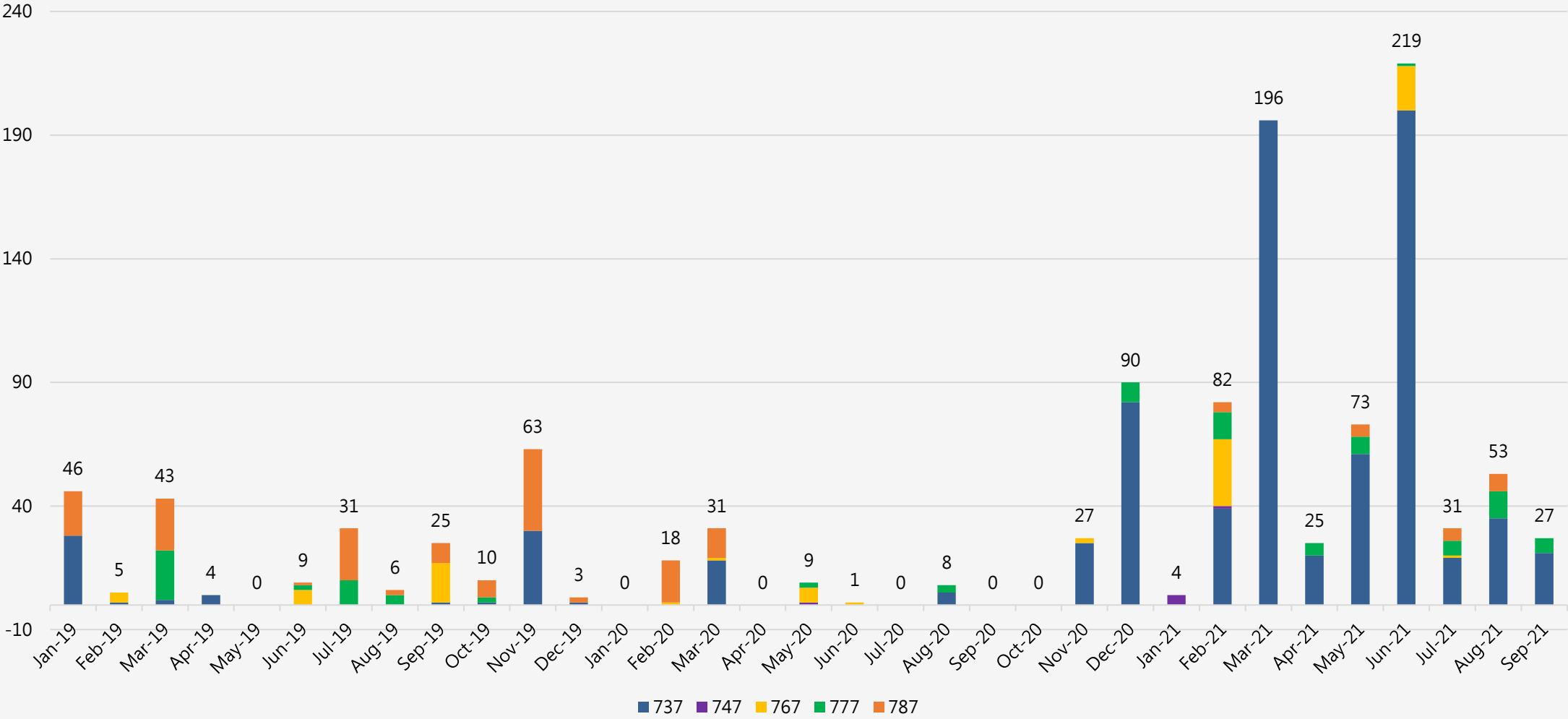
349

YTD Net Orders





產業概況-BOEING Airplane Orders





公司簡介 Company Introduction

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公司簡介-地理位置 Location



Kaohsiung

DPI to HSR Station – 5 Mins. (90 Min. from Kaohsiung to Taipei)
DPI to Kaohsiung Airport – 25 Mins.
DPI to Kaohsiung Port – 25 Mins.

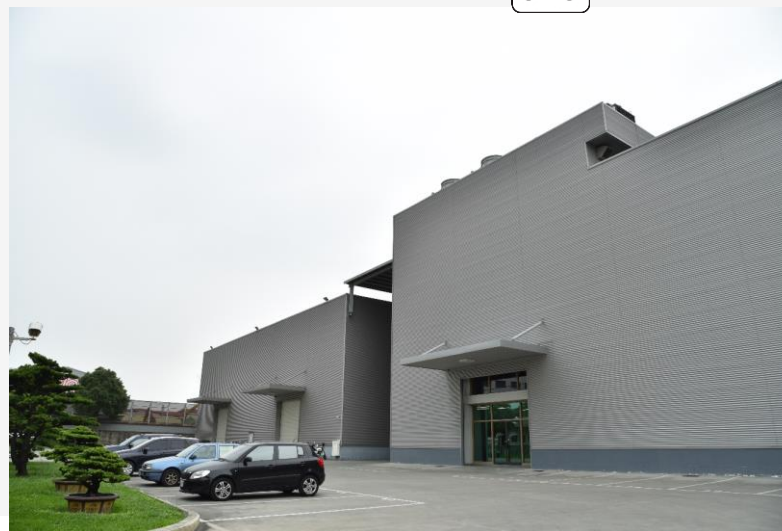


Plant 1: Headquarter

Machining
Hydraulic Forming
Heat Treatment
CMM Inspection



5 MINUTES

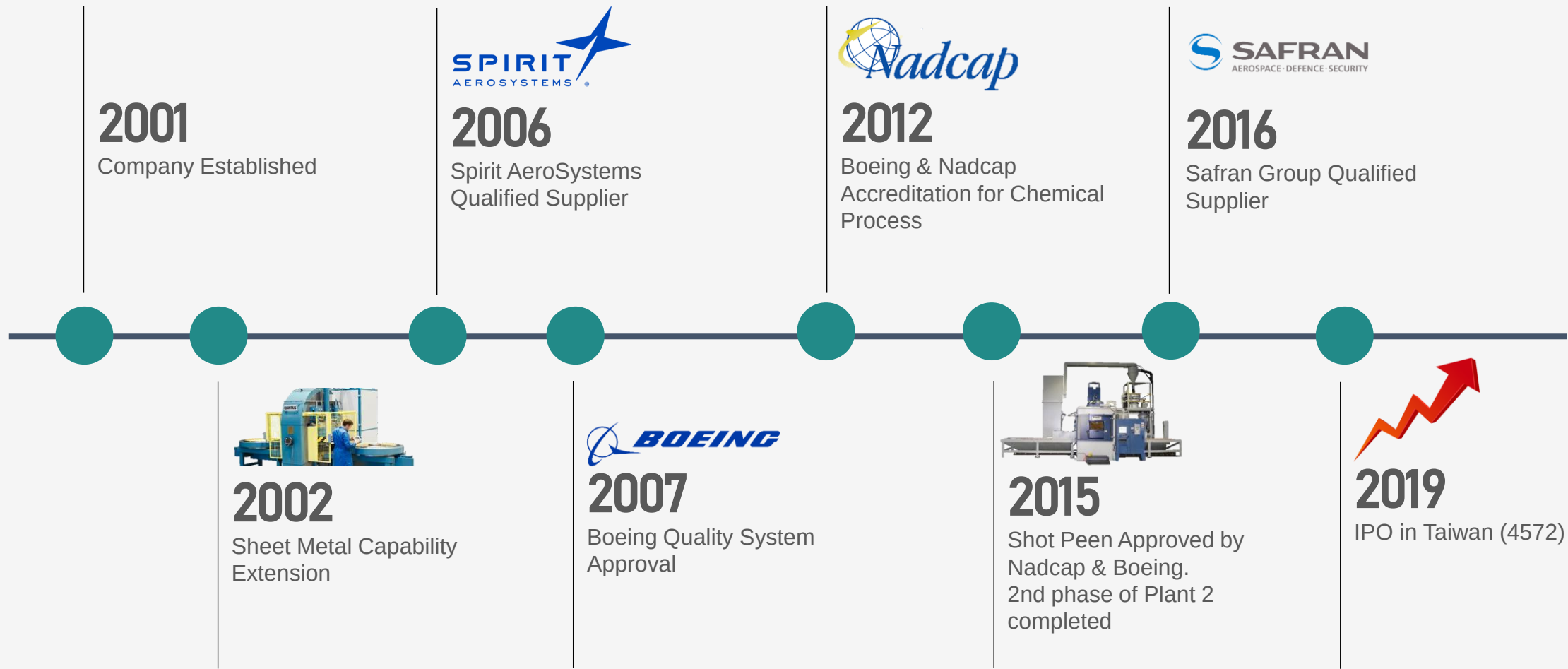


Plant 2

Machining
CMM Inspection
NDT
Shot Peen
Anodizing
Painting
Assembly
Lab



公司簡介-里程碑 Milestone



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公司簡介-核心能力 Core Competence

01

Aerospace Parts

Structure Parts:

Boeing program, A320, Bombardier-Challenger 350

Engine Parts: B737max, A320NEO

Landing Gear Parts: A350

02

Special Tooling

Tooling for aviation industry,
composite tooling

**Stability
Robustness**

03

Solar Power

Manufacturing of spreader bar,
panel and frame, interface of
solar power equipment.

04

Others

Including special process
services, CMM services
etc.



公司簡介-全球客戶 Global Major Customers





主要營運計畫 Major Operating Programs

AIRCRAFT	SPIRIT	SAFRAN	EGAT	AIDC	SPEQTRUM	ATLAS	HM Dunn	UAC	LAI
737 系列	V	V	V	V	V	V	V	V	
747	V							V	
767	V		V		V			V	
777	V		V	V	V			V	
777X	V		V					V	
787	V			V	V			V	V
A320				V					
A320NEO		V							
A350		V							

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航太特殊製程認證 Special Process Qualification

Process	NADCAP	MIL Standard	BOEING	SAFRAN LANDING SYSTEMS	SAFRAN NACELLE	STELIA	NORTHROP GRUMMAN	UTC Aerospace Systems	LOCKHEED MARTIN SIKORSKY
Heat Treatment (Aluminum)	✓		✓						✓
NDT-Penetrant Inspection (Aluminum)	✓		✓	✓	✓		✓		✓
Sulfuric Acid Anodizing	✓	✓	✓	✓		✓	✓	✓	✓
Chromic Acid Anodizing	✓	✓	✓		✓	✓	✓	✓	✓
Boric Acid-Sulfuric Acid Anodizing	✓		✓						
Chemical Conversion Coating	✓	✓	✓			✓	✓	✓	✓
Passivation	✓		✓						
Shot Peening	✓		✓	✓			✓		✓
Painting	✓		✓		✓		✓		

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完整製程能量服務 Integrated Full Fabrication Service

**Material
Procurement**



Forming/ Machining



Heat Treatment



Bench Work



Assembly



Surface Treatment



Shot Peening



NDT



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各機段之航太零件 Aerospace Parts by Sections

01

Aero Structure

Beam, bracket, intercostal, rib, fitting...etc.
Boeing 737, 747, 767, 777, 787

02

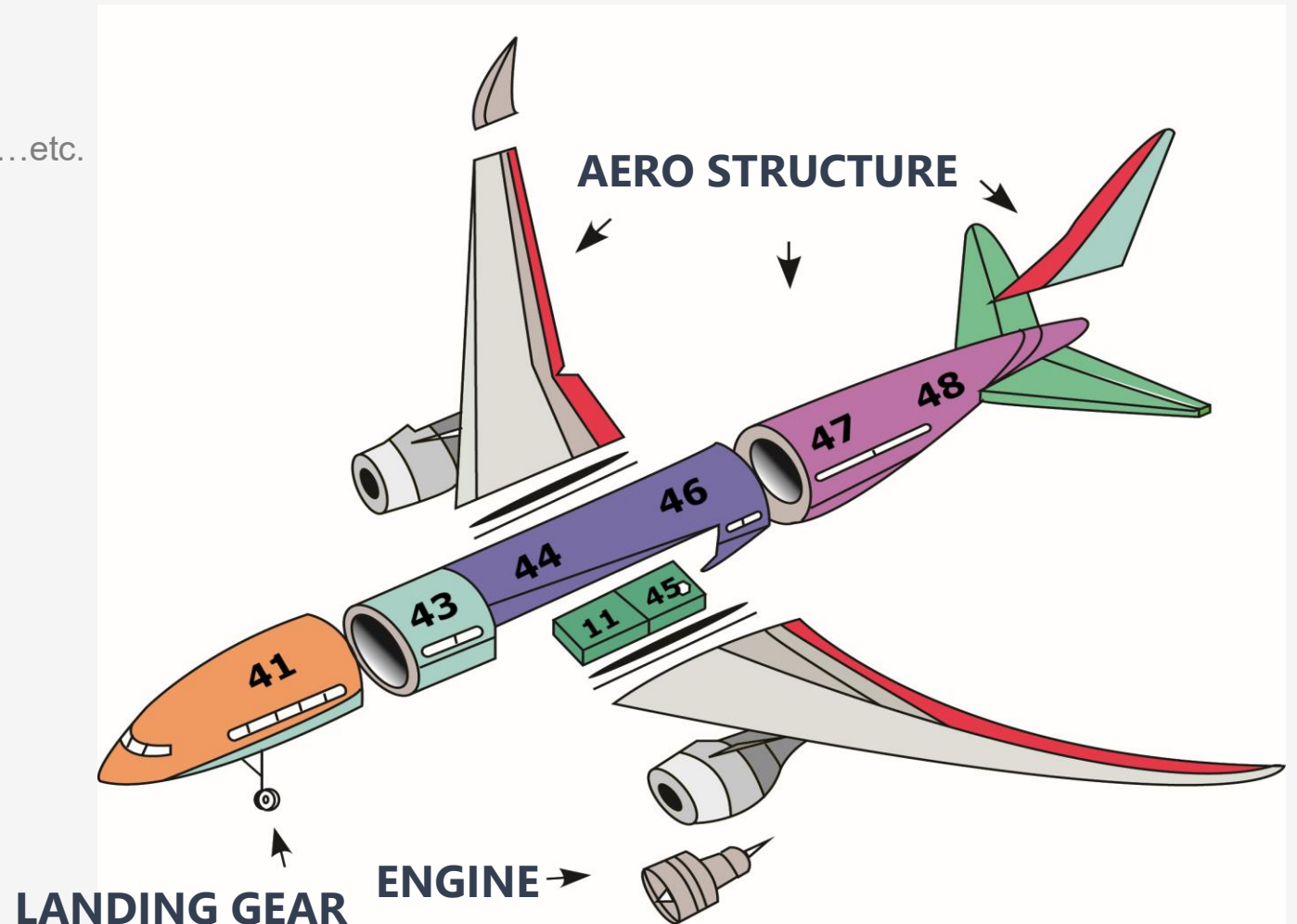
Aircraft Engine

Fairing, grids, brackets...etc.
LEAP-1A, LEAP-1B, Silvercrest

03

Landing Gear

SideStay for A350



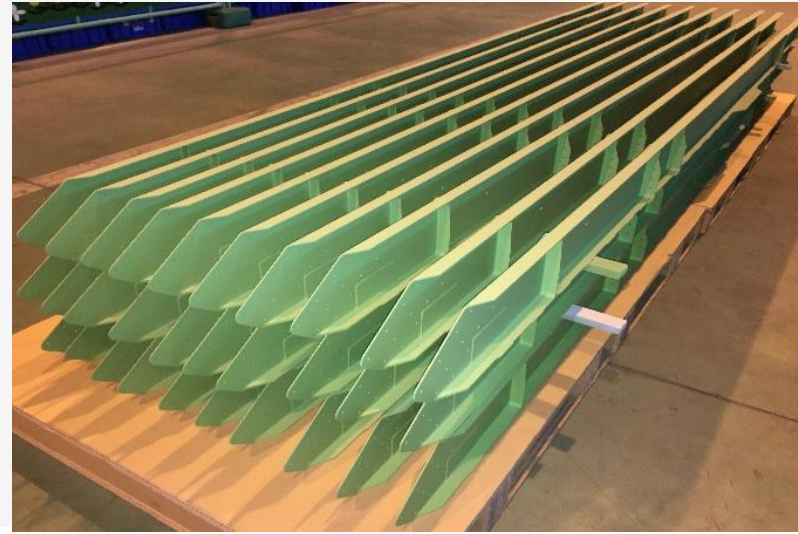
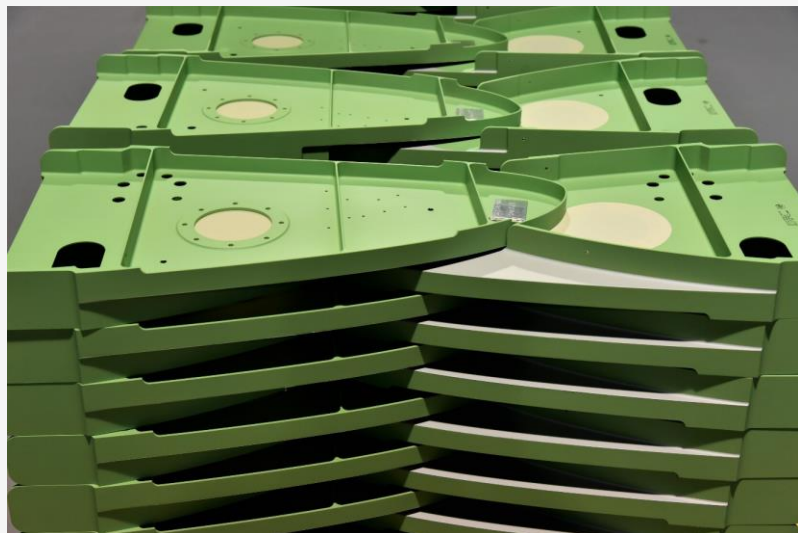


主要產品介紹 - 機身結構 Product Intro-structural parts



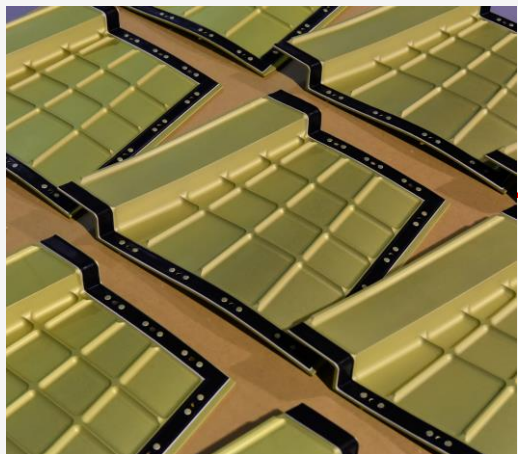


主要產品介紹 - 機身結構 Product Intro-structural parts





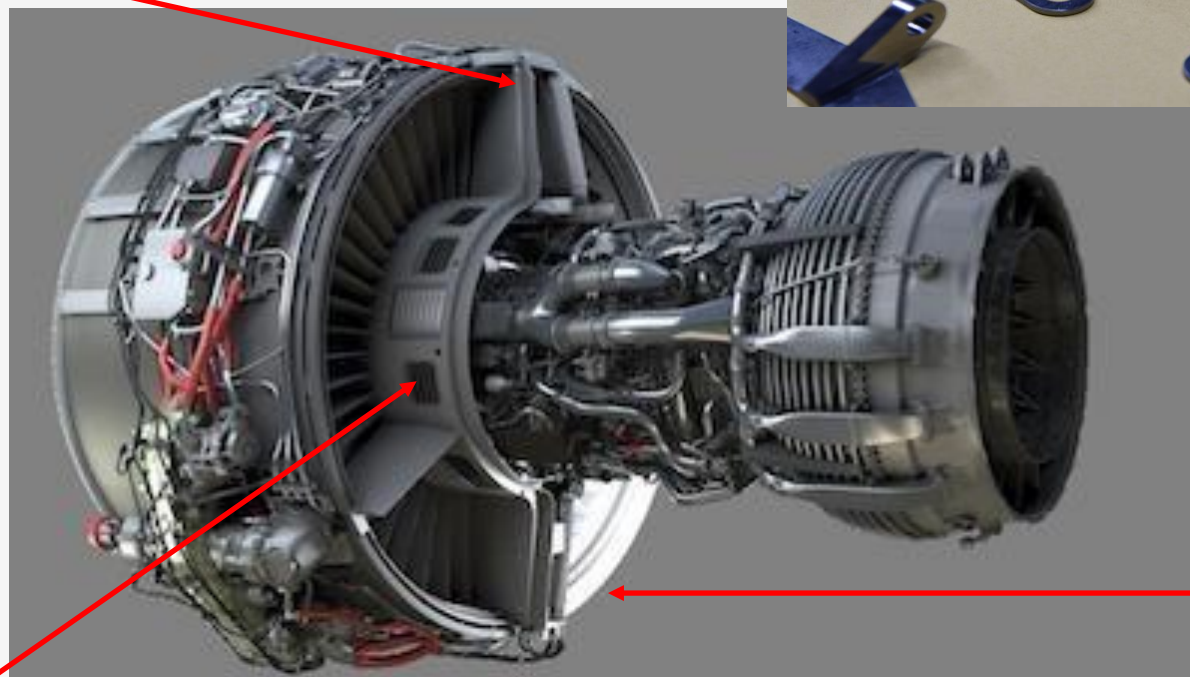
主要產品介紹 - 發動機 Product Intro-engine parts



駐龍產品



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主要產品介紹 - 起落架 Product Intro-landing gear parts



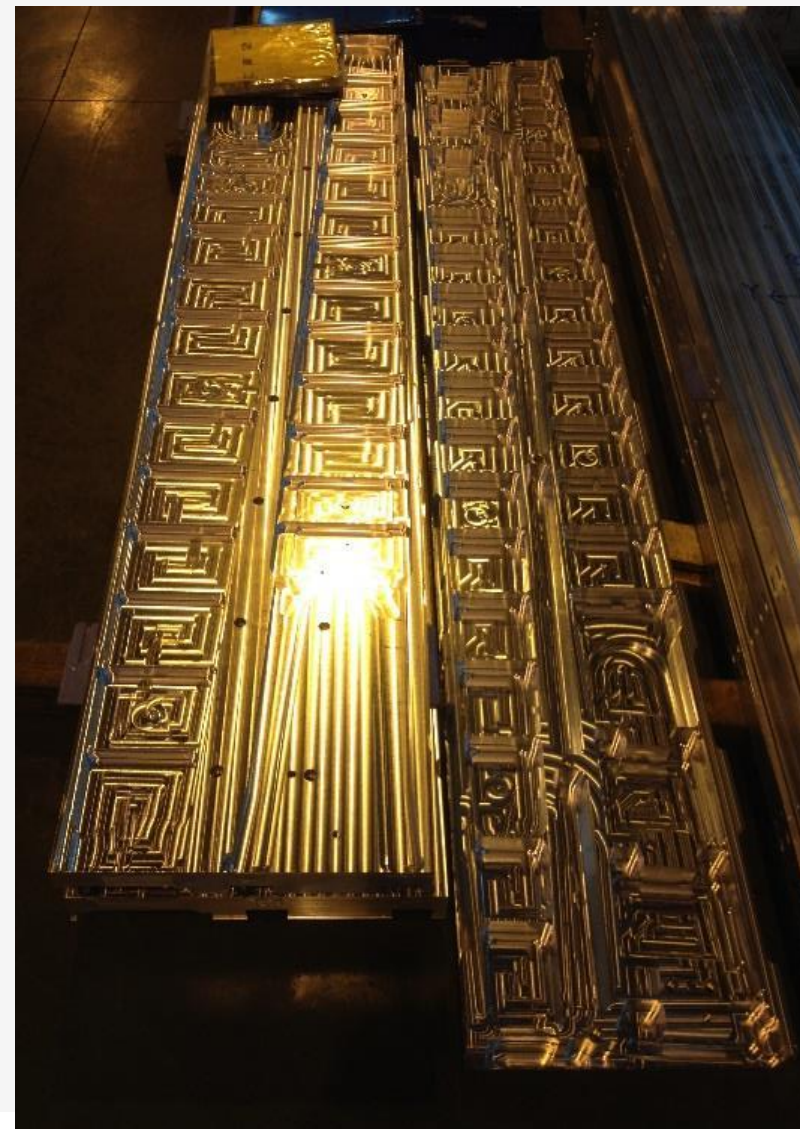
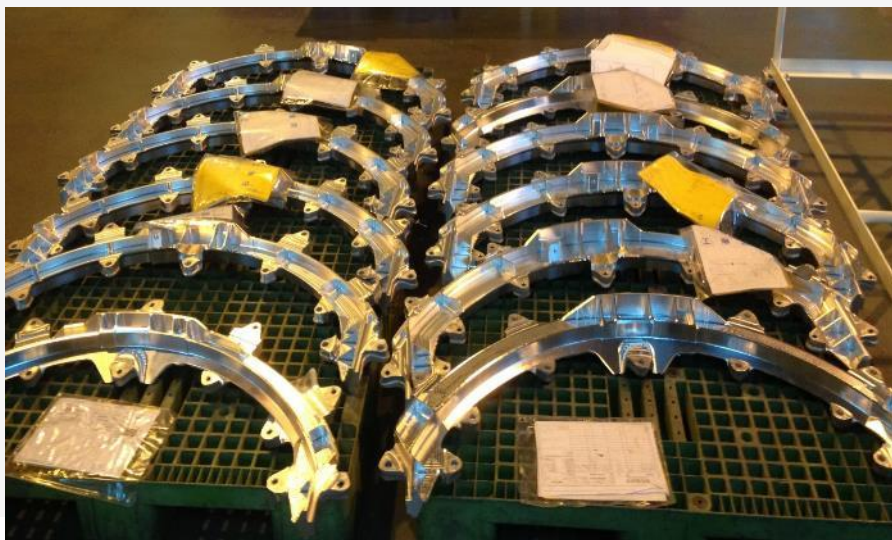
駐龍產品



駐龍產品

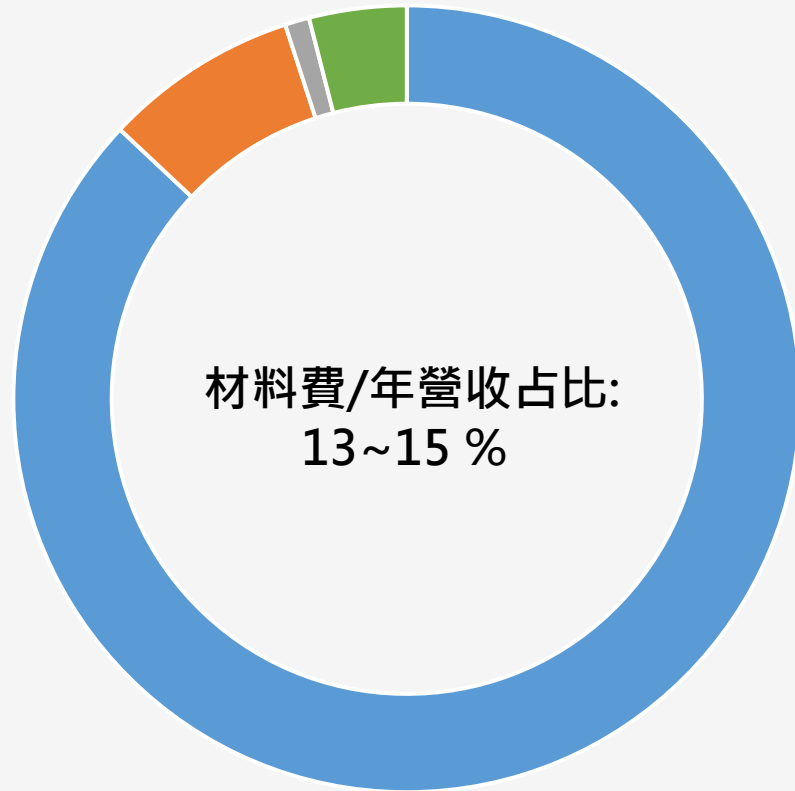


複雜結構加工件 Complex Machining Parts





材料使用比 Material Type Ratio



Aluminum

Type	Plate, Sheet, Extrusion
Source	TMX, TKA
Percentage	87%

Titanium

Type	Plate
Source	TIMET, VSMPO
Percentage	8%

Stainless Steel

Type	Plate, Sheet, Bar
Source	AK Steel
Percentage	1%

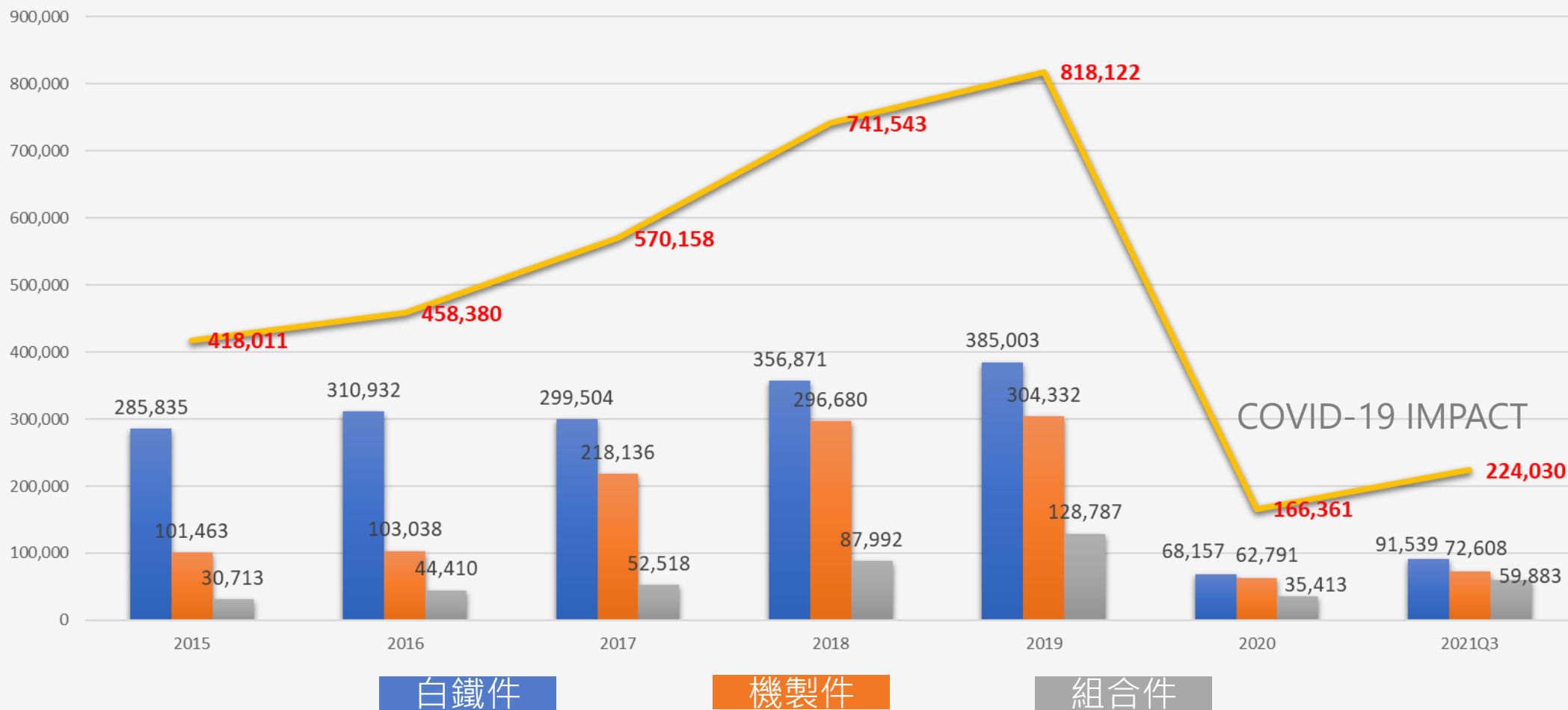
Nickle

Type	Plate
Source	HAYNES
Percentage	4%



零組件交運數量 Shipment from DPI (pieces)

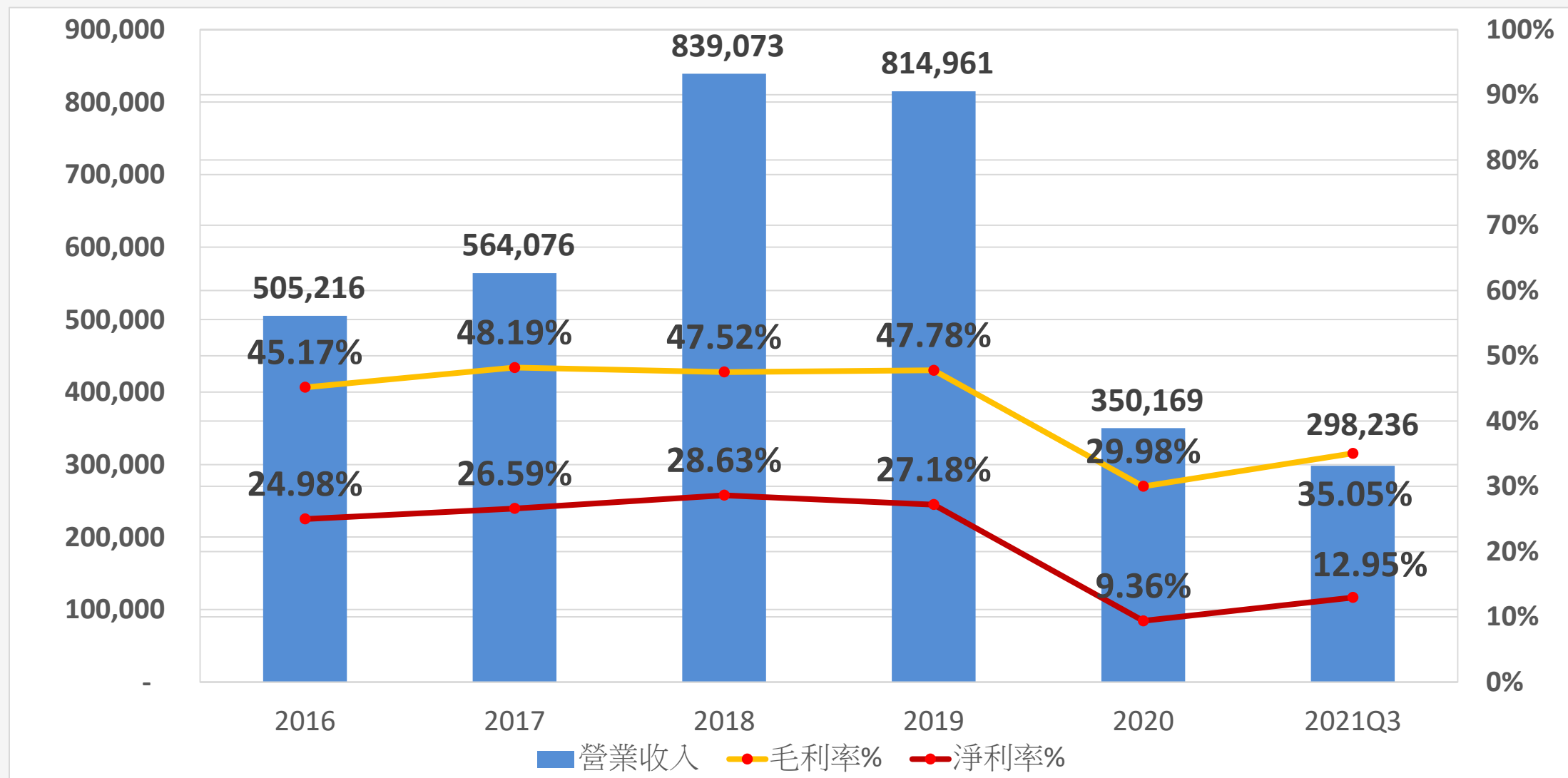
複合成長率(CAGR): 13.84%(截至2019)。





營運狀況表 Operating Status

單位:新台幣仟元



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財務分析 Financial Analysis

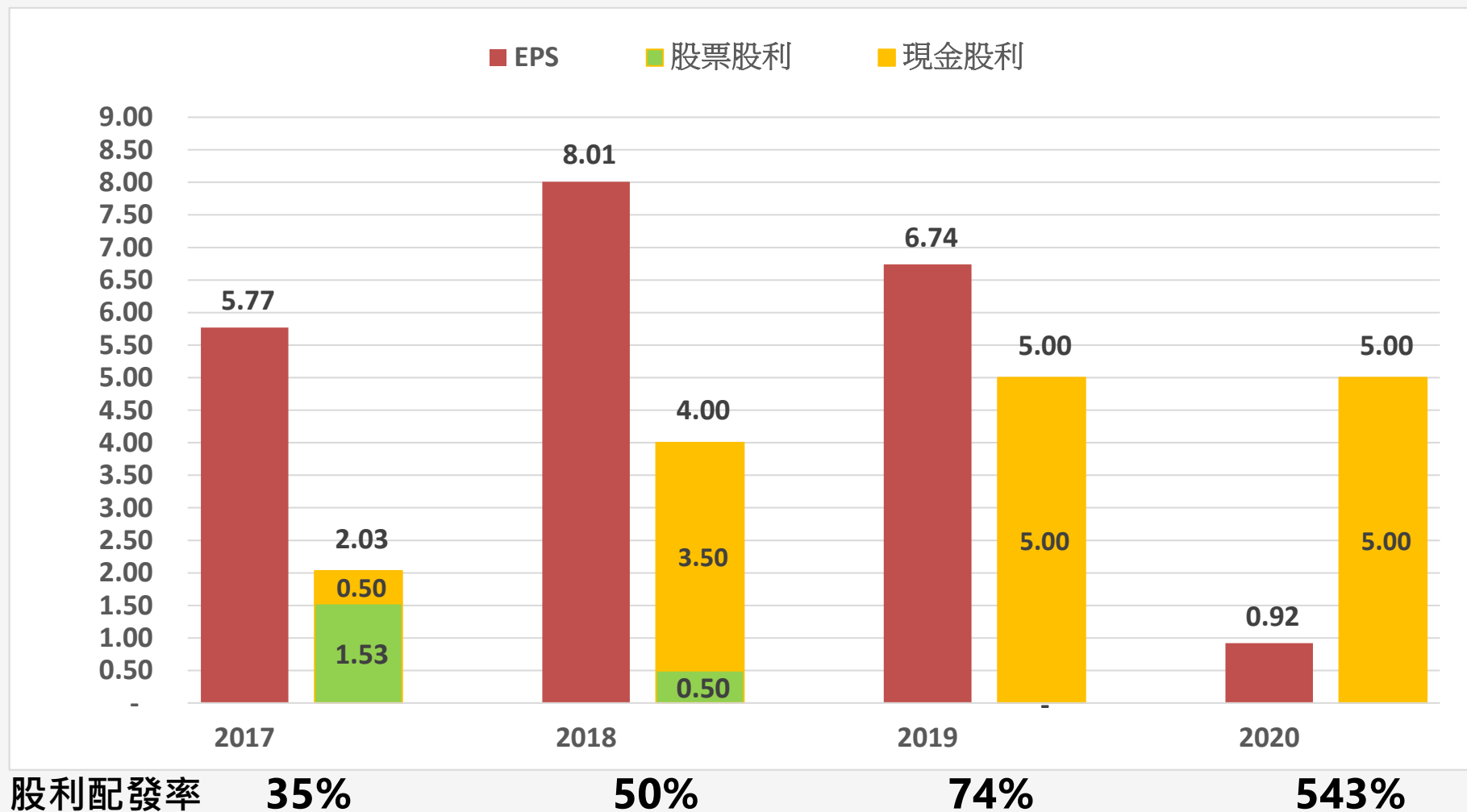
註:EPS為追溯前，當年度財務報表揭露之基本每股盈餘

項目/年度	2013	2014	2015	2016	2017	2018	2019	2020	2021 Q3
流動比率	392%	349%	361%	551%	629%	522%	1118%	1848%	1842%
速動比率	247%	268%	253%	400%	460%	385%	899%	1422%	1427%
負債比率	21%	22%	28%	22%	25%	23%	15%	12%	12%
股東權益報酬率	20%	21%	19%	16%	16%	21%	14%	2%	3%
EPS	5.02	5.48	5.27	4.5	5	8.01	6.74	0.92	1.08



股利政策 Dividend policy

註：EPS為追溯前，當年度財務報表揭露之基本每股盈餘





2022年展望 Outlook

- 波音737目前月產19架，2022 Q1起增加至31架，趨勢向上確立。
- 貨機需求持續增加，新貨機及客機改貨機，業績看漲。
- 商務機需求增加，挹注營收。
- 漢翔首架勇鷹號11月交空軍，國機國造未來穩定增溫。
- 波音787有望恢復交機，朝正向發展。
- 疫情期間，產業供應鏈重新洗牌，公司屢獲捷報，轉單效應可期。
- 已獲高雄市政府仁武產業園區租地優先權，因應未來成長擴廠。



感謝聆聽
Thank you for your attention

Contact

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<http://www.drewloong.com.tw>