



Premium Factory 1

# 百呈科技股份有限公司

- 負責人：賴文昌
- 網址：www.alljack.com
- 地址：248 新北市五股區五權七路 71 號
- 電話：02-2290-0555

## 企業沿革

- 2013年** ● 正式於 2013年成立
- 2014年** ● 取得 ISO13485認證
- 2015年** ● 於2015年在舊金山設立辦事處
- 2016年** ● 於2016年設立第二廠房
- 取得 ITAR
- 2017年** ● 取得 AS9100&ISO9001認證
- 取得 航太公會證書
- 取得 ISO27001認證
- 2018年** ● 取得國家中山科學研究院合格證書
- 榮獲漢翔公司優良供應商
- 2021年** ● 於2021年在洛杉磯設立辦事處
- 2022年** ● 與明志科技大學機械系簽定產學合作案

## 主要產品

- 一、航太工業：座艙系統、通訊系統、防禦系統、衛星系統
- 二、精密醫材：呼吸系統、掃描檢驗系統、超音波系統微創手術系統
- 三、光學設備：高階攝影系統、工業光學模組
- 四、半導體精密特殊金屬耗材零組件

## 企業簡介

百呈科技股份有限公司成立於2013年，本公司為【精密金屬和塑膠零件之電腦化數值控制加工(CNC)製造及組裝廠商】，產品主要範疇以【航太國防、醫療器材為首，其次為消費性電子、智慧機器人與無人機等產業零組件】，並可配合小量到大量生產。

行銷據點以北美洲為主，並逐步擴展接單據點至以色列、德國、日本等吸引國內外投資。本公司核心優勢在內部控制與稽核方面通過嚴格的【AS9100、ISO13485、ISO27001等三項國際品質認證】，在航太國防範疇上以延伸技術產品觸角至專精於高附加價值之獨特市場。現況為【臺灣航太產業A-Team 4.0聯盟、台灣國防產業發展協會、航太公會..等會員廠商之一，並榮獲漢翔航空工業股份有限公司、國家中山科學研究院CNC加工技術肯定】。



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## 國際競爭力

- 一、本公司以製程研發為主，為了因應航太產業訂單製程需求，未來將投入表面處理設備與技術朝向獲取特殊製程認證發展，後續藉由參與國內計畫與國外活動，提升國際競爭力：
  1. 國家重點建設 - 蔡英文總統任期之國機國造計畫、國家中山科學研究院發展地面防禦型武器...等。



- 國內南部科學園區推動航太、醫材產業之供應鏈聚集及相關有利該產業之補助計畫 -AS9100\_D 版及 NADCAP 認證推動計畫。
- 國內外大型知名展覽。

二、本公司承接航太、國防、醫材有關零組件產品眾多，其中主力產業（航太國防及醫材）包含：

- A380、B780 商務及頭等艙艙內娛樂系統外框零組件。
- 地面防禦系統金屬機構件。
- 達文西手臂零組件相關夾具...等。
- 低空衛星金屬機構零組件

本公司主要以【CNC(Computer Numerical Control) 加工技術與相關製程研發為主】。利用數位信號操作系統來控制生產系統內的製程設備，透過自動化和精確的設計來執行操作。

## 營運管理

一、趨勢是一種不可抗拒的存在。隨著全球 3C 產業的快速蕭條，本公司之研發加工能力已轉型航太、軍工、醫療、光學模組等高附加價值產業發展，接續以往豐富的製程研發能力滿足現階段趨勢需求，搭配對內部實施精實人力與節能管制等管理政策，對外持續紮根趨勢產業且持續全球的佈局，現況承接訂單方向以下兩點類型為主。

項次	接單類型	內容說明
1	量大而單一且製程簡單之訂單	為承接平衡基本管銷（佔 30 ~ 40% 營收），其良率極高但產品毛利低。
2	量少而多樣且製程繁複之訂單	為創造公司高附加價值（佔 70 ~ 60% 營收），其良率維持 85% 上下但產品毛利高。



## 社會責任

一、落實產學合作計畫，持續與明志科技大學進行產學合作，培養在地人才。補充：

- 2022 年與明志科技大學機械系郭啟全教授兼系主任簽定產學合作案，目前正培育一位碩士級研究生與三位大學部學生，合作效益非常卓著。
- 本公司於 2022 年贊助全國高級中等學校 - 商業類學生技藝競賽，且實施產業人才「技藝競賽選手企業預聘暨人才媒合」計畫。

二、專注於「CNC 精密加工」本業。百呈心無旁騖、全力以赴，在「CNC 精密加工」謀求最大的成就。補充：

- 配合蔡政府之國機國造計畫，希冀本公司之 CNC 精密加工技術能量對於台灣精密航太零組件之製造有所貢獻。
- 配合蔡政府之國艦國造計畫，希冀本公司之 CNC 精密加工技術能量對於台灣國艦所需精密流體機械元件之製造有所貢獻。

三、鼓勵創新：鼓勵員工勇於創新，使公司具備智慧財產權。補充：

- 鼓勵員工在職進修，並以解決公司產線問題為碩士或博士論文題目。



## 綜合評語

- (1)主要產品為航太國防、醫療器材、消費性電子、智慧機器人與無人機等零組件，銷售據點以北美為主，出口達95%以上。
- (2)持續投入表面處理設備與技術，朝向特殊製程認證發展，積極參與國外活動，提升國際競爭力。
- (3)鼓勵員工勇於創新，與學校進行產學合作，培養在地專業人才，技術教育與企業發展相輔相成，以「取之社會、用之社會」善盡社會責任。



# ALLJACK TECHNOLOGIES, INC.

- Owner : WEN-CHANG, LAI
- Website : [www.alljack.com](http://www.alljack.com)
- Address : No.71, Wuquan 7th Rd., Wugu Dist., New Taipei City 248, Taiwan (R.O.C.)
- Tel : +886-2-2290-0555

## Business Items

- Aerospace: Civil Aircraft, Business Jets, Civil Helicopters, Commercial Space, Satellite
- Medical Devices: Ventilators\Blood Separation\Lab and Diagnostic Equipment\Robotic Surgical Systems
- Optical Industrial: Professional digital cinema cameras and accessories\Industrial optical modules
- Semiconductor precision components



## History

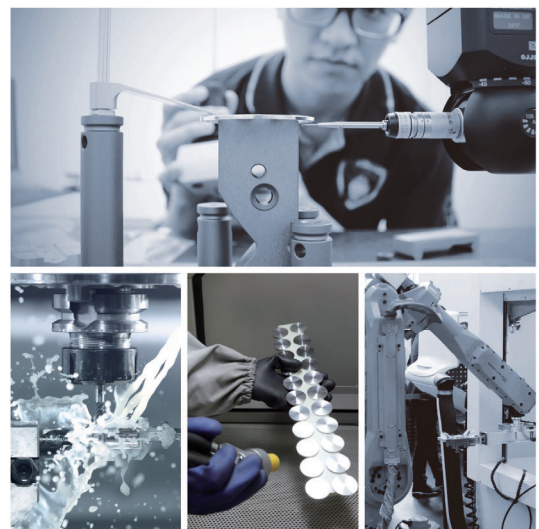
- 2013** ● Was founded
- 2014** ● Obtained the Cert of ISO13485
- 2015** ● An office set up in San Francisco
- 2016** ● Opened our second factory and obtain ITAR
- 2017** ● Obtained Certs of AS9100&ISO9001, ISO27001 as well as certs of TAIA
- 2018** ● A qualified supplier of both the National Chung-Shan Institute of Science & Technology and AIDC.
- 2021** ● An office set up in LA
- 2022** ● Signed a contract with Ming-Chi University of Technology for industry-academia collaboration.

## Introduction

ALLJACK, found in 2013, As a result of the global nature of the OEM factories, ALLJACK has high-end equipment to meet the expectation of tight tolerance, high quality, and good management for flexible capacity management as well as on-time delivery. The ballpark of our capability lies from prototype to mass production. We are the vanguard of precision parts production and assembly for aerospace, medical devices, commercial electronics, robotics, and drone in Taiwan. ALLJACK is the vanguard of a contract manufacturer in the aerospace and defense industries. We provide OEM service from the first article to mass production, and we specialize in high-precision CNC machining and post-processing in all batch sizes in the US and worldwide.

The business base is mainly in North America and gradually expanded to Israel, Germany, Japan, etc. Even cooperate with domestic big-scale companies. ALLJACK is focused on the quality system, we shall carefully and accurately work to understand your product needs, ensuring that all of your specifications are met. Products are inspected at each stage of the process, guaranteeing the absolute highest standards of quality. Certification: ISO13485\AS9100\ISO9001\ISO14001\ISO2700.

In the Aerospace field, we are now a member of the Taiwan Aerospace Industry A-Team 4.0 Alliance, Taiwan Defense Industry Development Association, and Taiwan Aerospace Industry Association, etc.



## Export Competitiveness

- I. ALLJACK is mainly focused on R&D, in order to meet the requirement of the aerospace industry, long-term plans, surface treatment equipment, and technology will be invested in the development of special process certification and enhancing international competitiveness by participating in domestic policy and international activities.
  1. Domestic policy: Through consistent assistance and promotion from the government these years, Taiwan has founded its fledgling aerospace industry. ALLJACK is also honored to be part of it.
  2. The Southern Taiwan Science Park (STSP), A government-established science park to support and subsidize aerospace and medical industries. STSP is poised to become an aerospace and medical hub.
  3. Well-known exhibitions at home and abroad in domestic and oversea.
- II. ALLJACK builds a large number of aerospace, defense, and medical components, including:
  1. The components for a cabin entertainment system for commercial aircraft.
  2. The components for ground defense systems.
  3. The components for Robotic Surgical equipment.
  4. The components for Starlink Satellite.

第25屆 小巨人獎  
出口績優中小企業  
The 25th Rising Star Award



## Operation Management

Trends are undeniable. With the rapid recession of 3C (computer, communication & consumer-electronics) industry, ALLJACK have transferred our business patch to aerospace, medical, defense as well as optical device to continue fulfilling the demand with our existing capabilities in various processes and abilities in R&D. Internally, through policies of downsizing and energy saving, we are more confident in keeping up with the trends.

Below are the two main order types that ALLJACK is mostly taking:

Item	Order Type	Details
1	Single item with high volume and are fabricated via simple processes.	This type of orders is normally with items where yield is extremely high, but the profit is relatively low. They account for 30-40% of the company revenue and support the expense of basic management.
2	Multiple items with lower volume and are fabricated via complex processes.	This type of orders accounts for 60-70% of the company revenue. They are mostly with items where yield rate is about 85% but the profit is comparably high.

## Social Responsibility

- I. Keep on with industry-academia collaboration to cultivate talents:

This year, an industry-academia cooperation plan was made with Professor Qiquan Guo, Head of the Mechanical Engineering Dept of Ming-Chi University of Technology. Currently, one master-level graduate student and three university students are being cultivated. The cooperation benefits are very outstanding.

Also in this year, ALLJACK sponsored National High School Skills Competition to carry out the plan of pre-employment and talent matching of skilled and talented students.
- II. Concentrate on the advance of CNC machining skills to seek the greatest achievements:

In cooperation with the plan of developing domestic military aircrafts under Tsai' s governance, Alljack is dedicated to producing high precision components for the country. Also in cooperation of the development for domestic vessels, ALLJACK is devoted to fabricating high precision components for fluid mechanics for contribution.
- III. In support of innovation:

Encourage employees to take on-the-job courses by focusing on resolving open issues of the production line, empowering the company with intellectual property.

