

SIXSTAR

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Constantly Upgrading
PERFORMANCE

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EXPERIENCE
CUSTOM GEARS



SIX STAR MACHINERY INDUSTRY CO., LTD.
YIEH CHEN MACHINERY CO., LTD.

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AS9100 & ISO9001
Certified Manufacturer

SIX STAR MACHINERY INDUSTRY
YIEH CHEN MACHINERY



RESUME OF COMPANY HISTORY

1960

Six Star Gears Co., Ltd.

1975

Six Star Machinery Industry Co., Ltd. founded by Six Brothers in Taiwan

1984

Yieh Chen Machinery Co., Ltd. (Machinery Department) founded in Taiwan

1988

Allstar Precision Machinery Co., Ltd. Founded

1989

Summoon Co., Ltd. (Thailand Branch)

1989

Six Star Group Founded (Currently with more than 7 business units), manufacturing aerospace gear

1992

Six Star Group Founded (Rollform Tools Co., Ltd. (U.K. Branch))

1995

ISO 9002 certification

1996

Chin-Fa Automatic Machinery Co., Ltd. (China Branch)

2006

Formally received first Boeing Aerospace orders

2010

Developing gears for robotic arms

2011

Developing gears for solar tracking system

2013

New factory at Taichung Technical Machinery Park completed

2014

AS9100 & ISO9001 Certified

2018

AS9100 & ISO9001 Rev.D Certified



INTRODUCTION

SIX STAR PRODUCE CUSTOM MADE GEARS WITH ALL THE ACCURACY YOUR APPLICATION REQUIRES.

Founded in 1975 by six brothers, Six Star owns 40 years of experience on manufacturing gear products. Throughout these years, Six Star has become one of the Top Five gear manufacturers in Taiwan. With a focus on precision gears and gearboxes, Six Star offers a broad range of industries, including machine tools, aerospace, agriculture machinery, robotic arms, Engine transmission, hydraulic pumps and industrial machines.

Six Star ensures detail of each manufacturing process well planned and executed, moreover, we employ machine tools from Switzerland, Germany, USA, and Japan to make gears comply with DIN, AGMA, JIS, and GB quality standards. This dedication has led Six Star win the partnership with global well-known companies such as Altra Industrial Motion, Ausco products, Boeing, Bosch, John Deere, Matrix International Limited, Toshiba, FS-Elliot and much more are under going continuously.

To meet capacity demands, Six Star constructs a new manufacturing plant and headquarters in The Taichung City Precision Machinery Innovation Technology Park. This plant is with 19,140 square meters area and starts running production from March 2013. Furthermore, Six Star invests on new machine equipments which include Gear grinding machines, bevel gear machines, Measurement machines and other basic machine tools for production usage. With new facilities, Six Star can offer increased capacity and more advanced manufacturing processes using the latest technology. Six Star aims to offer top quality, shorter lead time, and reasonable cost of gear products to each valued customer by this great milestone.

MANAGEMENT PHILOSOPHY

- Technology innovation
- Quality assurance
- Continous improvement
- Customers satisfaction



HIGH PRECISION

INNOVATION



PRECISION MACHINING WITH STATE-OF-THE-ART MANUFACTURING EQUIPMENT.

To ensure that each step of the working process meets Six Star's strict quality requirements, only machines from reputable, well-established companies are adopted. From production use of gear grinding, hobbing, shaping, and shaving to gear measurement equipments, Six Star employs machines from Reishauer, Kapp & Niles, Okamoto, Mitsubishi, and Klingelberg. Employment of these machines in conjunctions with Six Star's rigid manufacturing process allows our gear product quality meets DIN-2, JIS 0, and AGMA 15 qualification standard.



MACHINE TOOLS

INDUSTRIAL MACHINES



SIX STAR provides precise, low noise and custom products

In addition, SIX STAR produces spur gears, helical gears, double helical gears, bevel gears, worm and worm gears, and shaft and planetary gearboxes. Today, SIX STAR can provide precise, low-noise custom products within a range of specifications.



Gear and Shaft Capabilities

Quality Level

DIN 2 Grade

JIS 0 Grade

AGMA 15 Grade

Manufacture Range

Gear	Max. Outside Diameter: 2000 mm
	Max. Module: 34 mm
Shaft	Max. Outside Diameter: 350 mm
	Max. Length: 1500 mm



Solar tracking system



Printing machines



Textile machines



Agriculture parts



Bevel gear

ROBOTIC ARMS



According to forecasts, the worldwide robotics market will reach USD 5 billion by 2015.

Cycloid gear reducers are one of the exciting solutions SIX STAR provides for robotics. The structure of the cycloid gear reducer is simpler and smaller than traditional gears, allowing for the unique torque, efficiency, and size requirements of modern robotics. They also provide a cost advantage over other gears. Through constant research and innovation, SIX STAR continues to improve precision and efficiency to the benefit of our customers.



Cycloid gear

AEROSPACE



SIX STAR has manufactured gears for aerospace applications for more than 20 years.

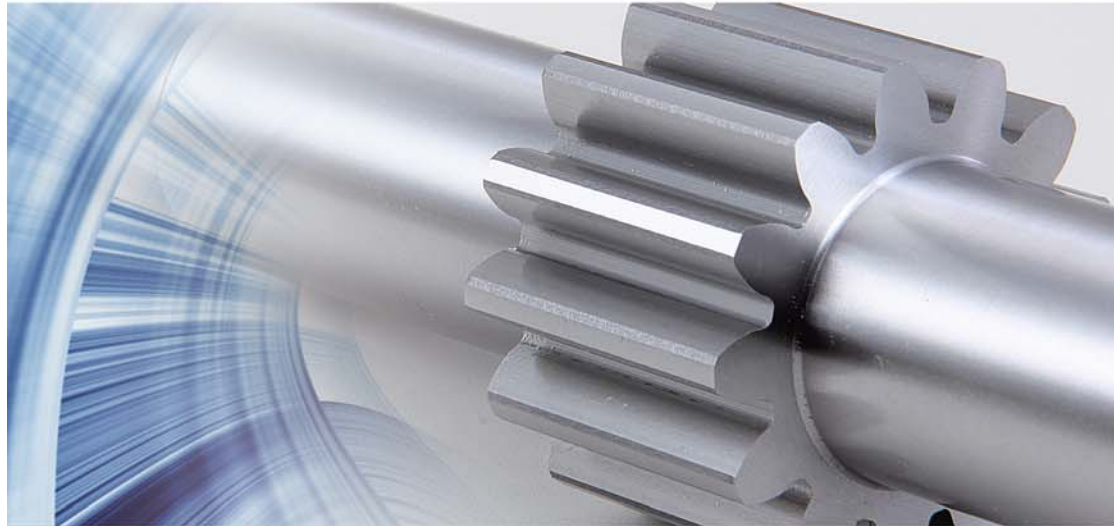
Since 2006, SIX STAR has been providing gears to Boeing as a qualified vendor for their aircraft, and is currently in the process of AS 9100 certification. Aerospace gears SIX STAR provides include spur gears, helical gears, worm and worm gears, and splined shafts. These gears can be used in control systems, pumps, planetary gears, landing mechanisms and other aerospace applications.



Aerospace gears

HYDRAULIC PUMP & TRANSMISSION

HIGH QUALITY



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In addition, SIX STAR produces spur gears, helical gears, double helical gears, bevel gears, worm and worm gears, and shaft and planetary gearboxes. Today, SIX STAR can provide precise, low-noise custom products within a range of specifications.



Pump gear



Pump gear

Quality is tradition at Six Star

Six Star has received ISO9002 certification and schedule to acquire stricter aerospace quality standards AS-9100 certification in 2013. We are also a member of the American Gear Manufacturers Association (AGMA).

By paying close attention to every aspect of the gears and gearboxes produced-including profile, lead, pitch, run out, and efficiency- and using measuring facilities, Six Star can ensure that the gears we produced certainly meet or exceed international standards.

