

TYC Brother Industrial Company 堤維西交通工業(股)公司

Date: 2024/8/27

TYC Group Global Network



19. 3 Bil NTD\$
2023 TYC Group total revenue

295 TYC/JUOKU vehicle lighting Registered technical design Patents.

Texas

2805

Total global employees

Total facilities globally which includes various sales & distribution center & manufacturing plant sites









Members of TYC Group



TYC Brother Industrial Co., Ltd

TYC a world class vehicle lighting manufacturer capable of tooling & product design, engineering, production, assembly and supply to global OEM & Replacement Aftermarket. TYC also provides One Stop Shop service for replacement aftermarket automotive spare parts.



JUOKU Technology Co., Ltd – 1993

Maintain Technical Assistance Agreement with Stanley Electric Co. Japan. Core Products includes Tooling, Automotive & Scooter lighting devices, Key Locks, Switches & Service units for Asian region OEM's & replacement aftermarket. Plants located in Taipei & Tainan.



DBM Reflex of Taiwan Co., Ltd – 2000

A join venture company with DBM Reflex of Canada, producing Reflex Reflector Electroform inserts. DBM Taiwan offers high quality products and services from feasibility studies, optical & mechanical design, electroforms manufacturing, injection try-outs and testing.



Members of TYC Group



Changzhou Tamou Precision Industrial Co., Ltd. - 2001

Specialized in plastic molds and tooling for vehicle lighting components located in China



Kun Shan TYC High Performance Lighting Tech Co., Ltd. - 2010

TYC central business operation in China for automotive lighting replacement aftermarket production and distribution center including other automotive aftermarket spare parts.



TYC Thailand - T.I.T. International Co., Ltd. - 1999

TYC manufacturing plant and sales office located in Rayong Industrial Park. Business activities includes selling automotive lighting products & spare parts to domestic replacement aftermarket, also supply lighting products to Thai OEM two – four wheelers customers.



TYC Vietnam

A joint ventured company for manufacturing and sales of two and four wheelers lighting devices for domestic OEM production assembly. Plant located in Hanoi.



Members of TYC Group



TYC Americas -1991

TYC Americas is the exclusive N. American distribution arm for TYC products. Headquartered in Brea, California. Genera operates its 5 massive distribution center strategically located in California, New Jersey, Illinois, Texas & Georgia. It also provides inventory logistic supply services to TYC's N. America OEM customers. An OEM R&D center and manufacturing site located in Michigan.



TYC Europe B.V. - 2003

Headquartered in The Netherlands, strategically position at the center of the European market. It serve as TYC's central sales & distribution center for European replacement aftermarket lighting products and other automotive collision parts, including inventory logistic supply services to TYC's European OEM customers.



Affiliates of TYC Group



Varroc TYC Auto Lamps Co., Ltd. - 2004

A 50-50 joint venture automotive lighting company with Varroc Group India, Varroc replaced Visteon Corporation of N. America, as it's partner in 2013. VTYC headquarter located in Changzhou, China for production & supply to China OEM automotive exterior lighting devices. Manufacturing plant facilities located in Changzhou & Chongqing.



P.T. Astra Juoku Indonesia - 2012

A 50-50 joint venture automotive & motorcycle lighting company between P.T. Astra Otoparts and JUOKU Technology. Manufacturing plant facility located in Karawang, Indonesia for domestic OEM supplies.



TYC Brother Industrial Co. Overview

1986

Established : Sep. 9, 1986 Anping Plant : 21,746 sq.m.

Principal Activity : Manufacture and sales of Vehicle Lighting Products for

Automotive, Bus, Coach, Motorcycle, Scooter, Truck, Tractor......etc...

3. 1 Bil NTD\$

TYC Capital



2003

TECH PARK PLANT PHASE 1:62,300sq.m AFM engineering; Manufacturing; Assembly; Material Purchasing; Production Control; QA; AFM assembly; Components & Parts Storage Warehouse; Shipping

2012

TECH PARK PLANT PHASE 2 :12,722 sq.m Aftermarket spare parts logistic center 2015

TECH PARK PLANT PHASE 3: 20,761 sq.m OEM assembly line; OEM Parts Storage; Warehouse & Shipping 2019

Facility Expansion : Automated Storage Retrieval System II



Component Storage System Capacity

The first ASRS material inventory system in Taiwan Lighting Industry

*ASRS – automated storage & retrieval system







With standardized manufacturing processes, TYC pursues better outputs in manufacturing capacity, efficiency & flexibility

Italian Plasma Vacuum System process for reflective or decorative components UV hard coat robotic painting process for Polycarbonate lens





Plant and Product Quality Merits

TYC produce vehicle lighting products that complies with specific territorial quality standards and regulation for OEM & Aftermarket





TYC - First Taiwan Vehicle Lighting Device Manufacturer to be certified by TÜV Rheinland for **ISO 26262 Functional Safety Management System**

Certificate



Functional Safety Management

FS Management (TÜV Rheinland) ISO 26262 - Road vehicles - Functional safety

A-FSM 117

Certificate No.

968/A-FSM 117,00/18

Certified Company & Location

TYC Brother Industrial Co., Ltd. No. 72-2. Shin-Leh Road An-Pin Industrial Zone

Tainan

Talwan, R.O.C.

Scope of Certification ISO 26262-2:2011 Management of functional safety

ISO 26262-4:2011 (in extracts) Product development at the system level

ISO 26262-7:2011 Production and operation

ISO 26262-8:2011 (in extracts) Supporting processes

The certified Company has successfully demonstrated during an audit process that a Functional Safety Management System has been implemented.

Maturity Level: Managed

Purpose of the audit is to obtain evidence of compliance with the organizational requirements related to the following aspects, Management of Functional Safety. Documentation and Safety Lifecycle Phases according to the Scope of Cortification up to and including Automotive Safety Integrity Level ASIL 8.

This covers the Product Development at the System Level and Production of automotive lamp products according to ISO 26262. System Design according to ISO 26262-4. Clause 7. Safety Validation according to ISO 26262-4. Clause 9, and the Lifecycle phases after production are excluded.

As part of the audit process organizational and informational exchange / supply related to other respective Safety Lifecycle Phases between the Certified Company and its customer is considered.

This FSM Certification only refers to the listed company location and their involved departments, which comply with the organizational FSM requirements for the listed Scope of Certification. It does not replace any kind of product specific Confirmation Measures including product specific audits or assessments.

This certificate is valid until 2019-07-66/V Rheinland Industrie Service GmbH

Bereich Automation **Punktionale Sicharheit** Am Grouen Stein, 51105 Köln.

Cologne, 2018-07-09 Industrie Service GmbH

TÜV Rheinland

Validity

Dr.-Ing. Thorsten Gantevoort

Certification Body Safety & Security for Automation & Grid

Further information referring to the scope of certification, see 2

Am Grauen Stein 51105 Cologne - Germany

Automation and Functional Safety

www.fs-products.com

www.tuv.com





Supplier Awards from Two Wheels Customers



2018 KTM Supplier Quality Award



2016 Ducati Quality & Service Award



2009 Ducati Quality & Service Award



2013 Ducati Quality & Service Award



2014 KYMCO 50 year Award





Taiwan Excellence Award 台灣精品獎

Vehicle Lighting Products 汽機車燈



Coach HL full LED Hi-Low PES w/plastic lens; dual color function L.G



Full LED w/diffusion Homogeneous DRL Light function



Full LED w/grid Pattern optic tech TYC patents



Full LED Motorcycle Tail Lamp





Full LED Front Turn Indicator For Ducati Motorcycle



Full LED Motorcycle Tail Lamp for TRIUMPH UK



Hidden LED Motorcycle Head lamp



Innovative Hi-Low PES full-featured LED headlight



Full LED Motorcycle Head Lamp for KTM



3D Mirror Tunnel effect full LED Rear Combination Lamp

 2016
 2017
 2019
 2020
 2021
 2022





2017 Taiwan Excellence Award

Vehicle Lighting Products 汽機車燈

Full LED Coach Headlamp for Irizar Spain



Full LED 5 in 1 Headlamp (H/L , DRL, Position, Turn) for IRIZAR, Spain







Major OEM Customers

Automotive



Aixam Mega France



Ford Motor Company

South Africa, Asia-Pacific, Argentina



GM (Holden)Australia



GM

Brazil, Thailand, N. America



Holden Special Vehicles

Australia



IsuzuPhilippi

Philippines



Magna Steyr Austria

Bus & Coach



Irizar Spain



Prevost Canada



Blue Bird N. America



VDLThe Netherlands

Motorcycle



BMW Germany



Ducati Italy, Thailand



Harley Davidson USA



Husqvarna Austria



KTMAustria



MV Agusta Italy



Aprilia Italy



Suzuki Japan



Triumph UK, Thailand

Scooter KYMCO Taiwan



SanyangVietnam. Taiwan



HondaIndonesia, Thailand, Vietnam



Suzuki Indonesia, Thailand N. America

Truck & Tractor



DAIMLER TRUCKS N.A. LLC

N. America



AGCO

N. America

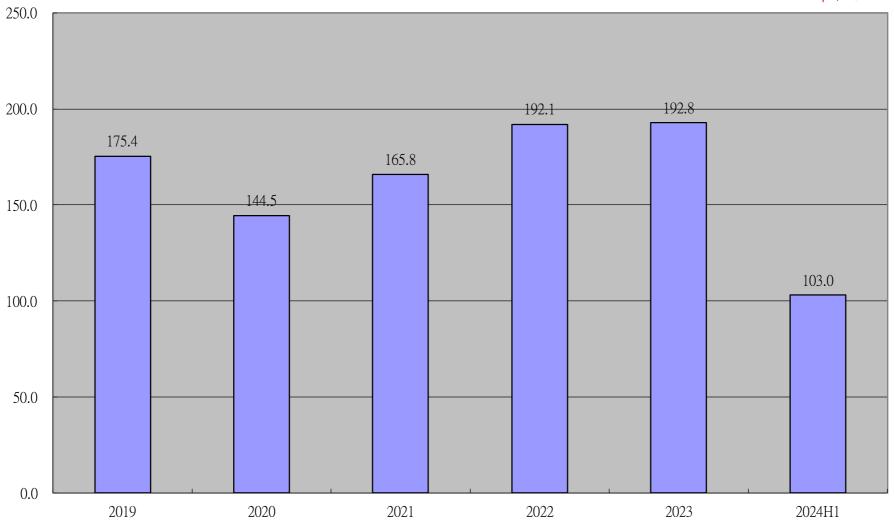


NAVISTAR, INC.

N. America

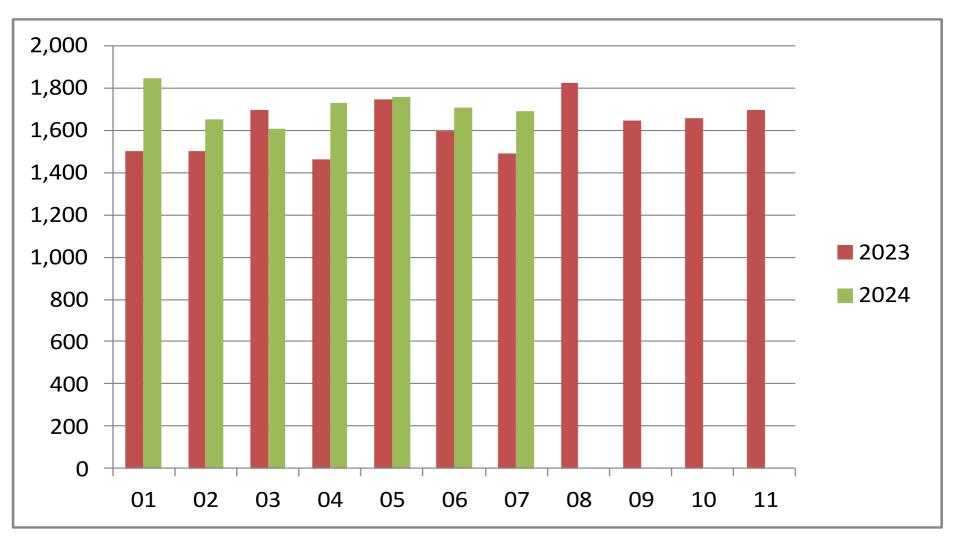
TYC Consolidated Sales 合併營收-堤維西交通

單位: NTD 100 million

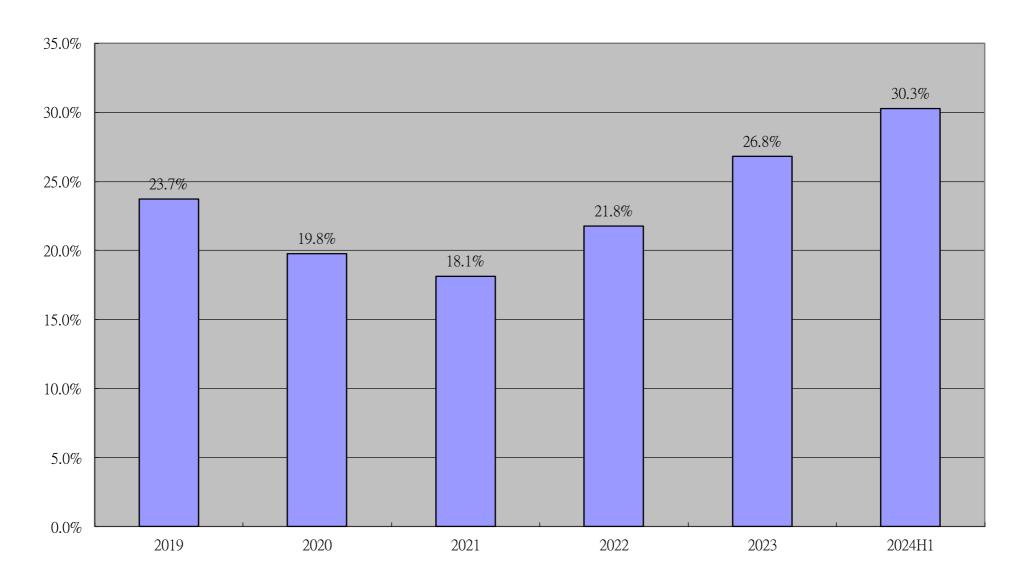


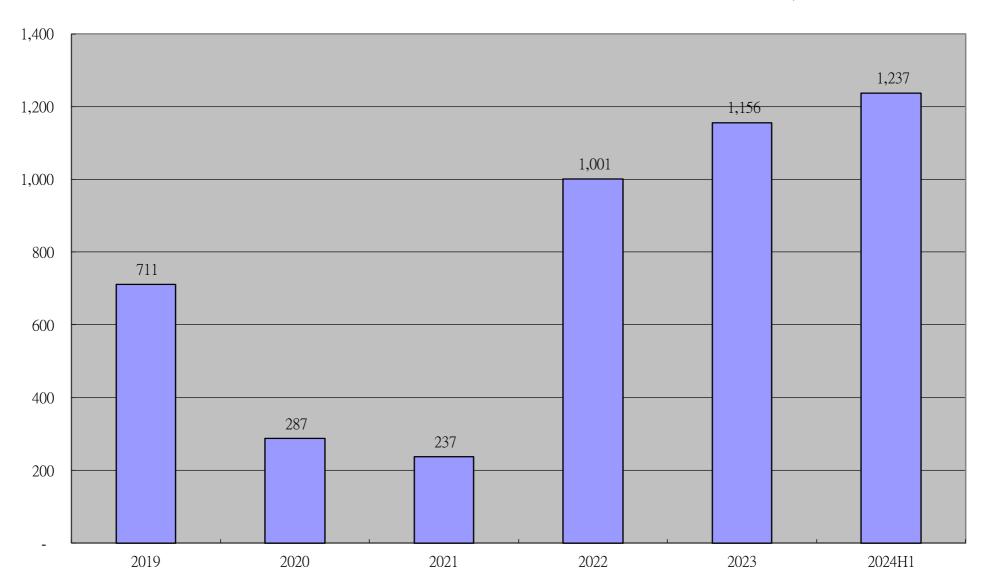


單位: Million(NTD)



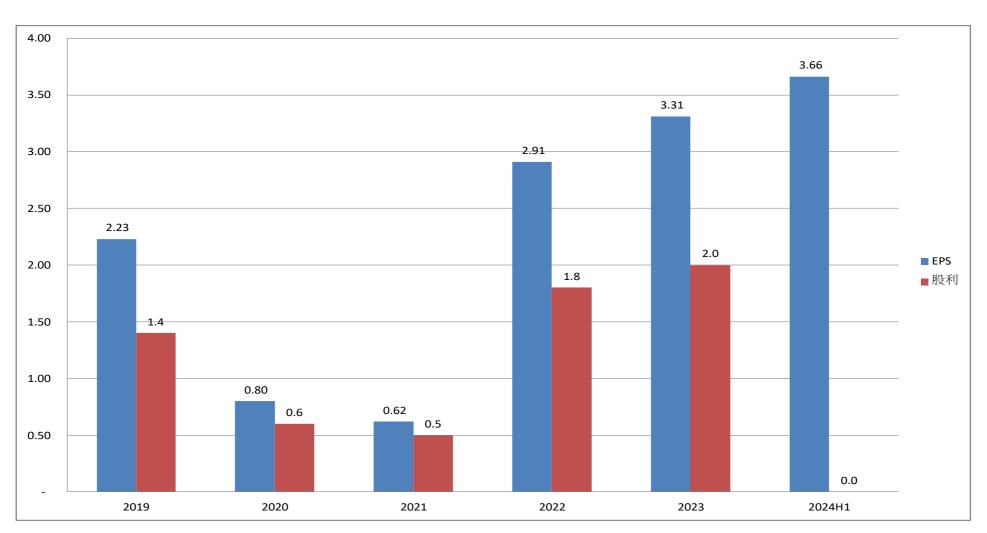
TYC Gross Margin 毛利率-堤維西交通







單位: NTD(台幣)







Thanks