



- ★ Motion Controllers and System Development Platform
- ★ Education & Research Laboratory Facilities
- ★ Advanced Manufacturing & Equipment Training Systems

GOOGOL TECHNOLOGY LIMITED

固 高 科 技 有 限 公 司

COMPANY OVERVIEW



Googol Technology (HK) Ltd, the headquarter office, is located at Hong Kong University of Science & Technology.

Googol Technology Limited was founded in 1999 by a group of renowned experts, scholars and professionals in motion control, manufacturing automation and microelectronics. As the first high-tech company in Asia Pacific region specializing in motion controllers and controller based systems, Googol Technology offers a range of standard and highly customized motion controllers, PC-based control systems as well as automation and mechatronics products. Regional application engineering expertise, strong support, cost effectiveness, and high performance set Googol Technology apart from all other competitors.



Googol Technology (SZ) Limited is located at the Hi-Tech Industrial Park in Shenzhen, China

Mission

To provide high-performance and cost-effective motion control systems for the market.

Objectives

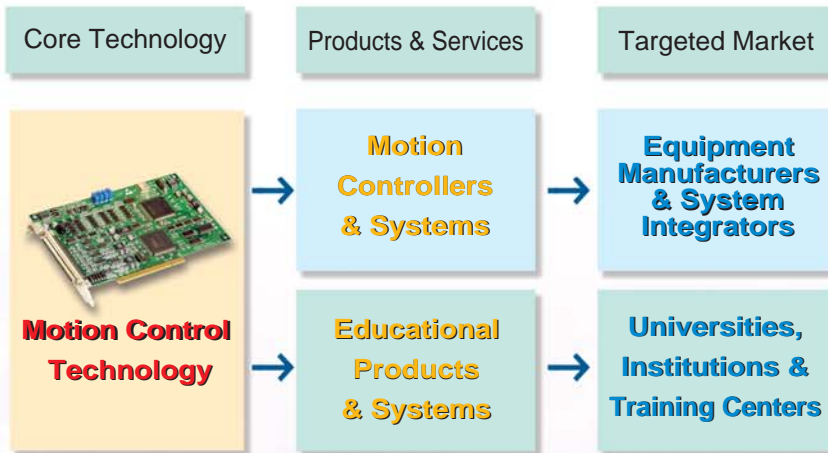
To become a leading provider of innovative motion control products and service to the clients, and to contribute to the development of the region as a world-class manufacturing base in electronics and IT products.

Motion Control Professionals

Patents & Certificates



Product Highlight



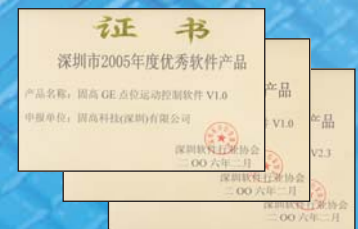
Products and Services

Motion controllers

- ◆ General purposed multi axes motion controllers
- ◆ Special purposed motion controllers
- ◆ Network motion controllers
- ◆ Standalone motion controllers
- ◆ Control system development platforms
- ◆ OEM/ODM services

Education products

- ◆ Experiment equipments for motion control theory research and engineering;
- ◆ Equipments for automatic control, robotics and mechatronics
- ◆ Logistic automation systems
- ◆ Flexible manufacturing systems (FMS)





OPEN-ARCHITECTURE MOTION

Compelling technology platform to help

General Purposed Motion Controllers

- ◆ High-performance DSP and FPGA
- ◆ Supporting ISA, PC104 and PCI
- ◆ Fulfilling 2-8 axes motion control
- ◆ Linear, circular and continuous interpolation functions
- ◆ On-board memory buffer to improve communication efficiency
- ◆ Drivers and DLL for win98/2000/xp/CE,DOS, C/ C++, Delphi VB function library



GO/GT/GE/GTS-Series



Standard Accessories

Extended IO Module

Standalone Motion Controllers

- ◆ High Performance and highly integrated
- ◆ Equipped with Intel 852GM Chipset and Intel Celeron M 600MHZ / 1GHZ
- ◆ Industrial PC and PLC standarded
- ◆ multiple HMIs, such as LVDS, USB, KB, HSIO, etc
- ◆ Plentiful communication interfaces
- ◆ Open architectural platform
- ◆ Pass multiple reliability & safety tests, stable under abominable industrial locale environments
- ◆ Low customer cost
- ◆ Network communication port (Ethernet, Profibus-DP, RS232, RS232/485)



GU/GUC-Series

Applications Samples



Googol Tech's motion control products have been used in over 40 industry

CONTROLLERS

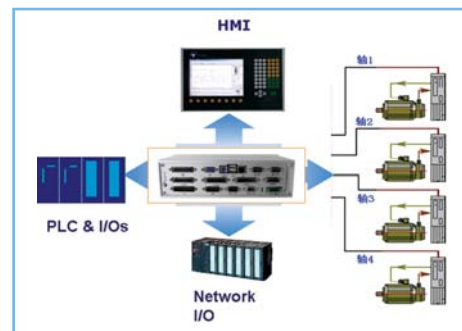
customers become successful enterprises

Computerized Programmable Automation Controller (CPAC)

- ◆ High integrations of motion control, embedded PC, network communication, PLC and MHI
- ◆ IEC61131-3 programming system
- ◆ Extendable I/Os: network, AD/DA, auxiliary encoder, etc
- ◆ DSP + FPGA motion control technology
- ◆ Software PLC technology
- ◆ Network control/remote diagnose technology



IEC61131 Programming system CoDeSys



Customized Control Solutions & Applications

- ◆ Motion+Laser Controllers
- ◆ Motion+Laser+Scanner Controllers
- ◆ Network based motion controllers
- ◆ CNC system development platform
- ◆ Robotics control system
- ◆ Engraving machine control system
- ◆ Laser cutting & labeling System
- ◆ Special designed controllers



sectors, by more than 1000 industry customers in China and worldwide



ADVANCED EDUCATION AND LABO

To assist in education and training of

Control Engineering



1-4 Stage inverted pendulums

Ball & beam trainer

Circular IP acrobatic robot

Magnetic levitation system

Ball & plate system

Applicable Courses:

Automatic control theory, Modern Control Engineering, Electrical Machinery, Motor and Drive, Basic Mechanical Engineering, Linear Control System, Computer Control System, etc.

Robotics and Mechatronics



4-6 DOF robotic arm

2-4 DOF parallel robot

XY table

Balancing robot

Pan & Tilt with vision

Applicable Courses:

Automatic Control Theory, Mechatronics, Computer Control System, Basic Mechanical Engineering, Electrical Machinery, Robotics, etc.

Selected Samples



Gogol Tech's customers include more than 900 universities and

RATORY

tomorrow's engineers and industry leaders

FMS and Logistic Systems

- ◆ Customized
- ◆ Open-architecture
- ◆ Modularized
- ◆ Application software
- ◆ Industry standard



Applicable Courses:

Mechatronics, Manufacturing Automation, Industrial Training Center, etc.



institutions across China and over 30 other countries.

