

Tsino Dynatron Electrical Technology (Beijing) Co.,Ltd.

Company and Products Profile

Tsino Dynatron Electrical Technology (Beijing) Co.,Ltd.

Founded in 2012

National High-Tech Enterprise

Branch

Tsino-Dynatron (Shanghai) Technology Co., Ltd.

Wuhu Tsino-Dynatron Electronic Technology Co., Ltd.

Offices in several large cities



Tsino Dynatron



To provide quality core products, system solution and services for customers in the field of automation and motion control

The leading provider of China EtherCAT Servo Drive

The leading provider of China Industrial Robot Drive

Technical and product certifications



National High-Tech Enterprise



Zhongguancun High-Tech Enterprise



ISO Quality System
Qualification



Multiple Patents



ETG Consistency Certification



Product CE Certification



TUV Certification (in progress)

EtherCAT technological breakthrough

The **FIRST** EtherCAT servo drive product with **ETG** consistency

certification in China









The EtherCAT servo drive applications in automation industry

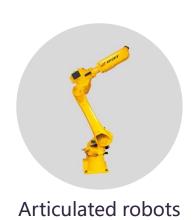


Industrial robot servo drive technological breakthrough

The **FIRST** multi-axis integrated servo drive for industrial robot in China



Applications in various industrial robots









Our customers Top-class industrial robot companies





































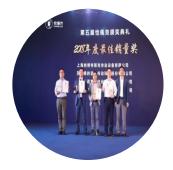




Industrial Robot Recognition

With its excellent products and services, **TSINO DYNATRON** has won many honors in the field of industrial robot core components.

- In 2016-2019, won the Golden Finger Award of China International Robots for four consecutive years
- In 2017-2019, won Capek Robot Award for three consecutive years
- In 2014-2018, won the CMCD Award for five consecutive years
- In 2019, won the CAIMRS Independent Breakthrough Award



Capek Awards 2019



Golden Finger Trophy 2019



CMCD Awards 2018



CAIMRS Trophy 2019

Product Family



CoolDrive Series





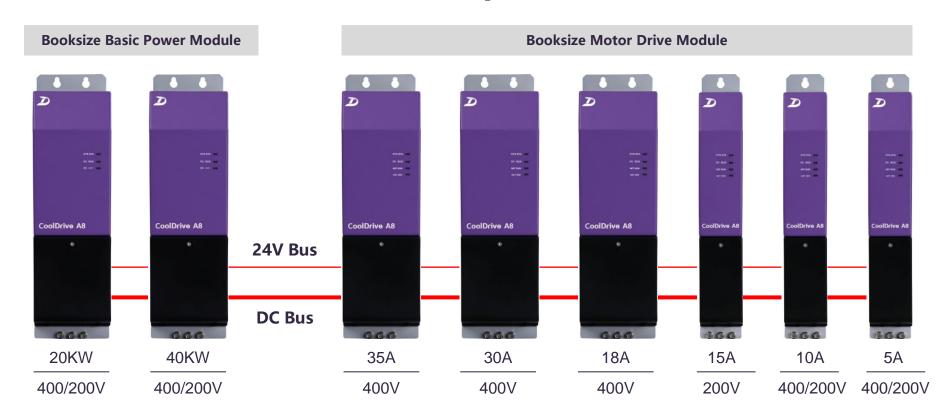
CoolDrive A8

High-end book-size modular EtherCAT servo drive



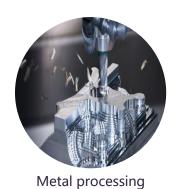
- Book-size modular structure
- Common DC bus structure design
- EtherCAT industrial Ethernet
- Absolute encoder with maximum resolution up to 24 bits
- Multi-axles synchronization deviation smaller than 1µs
- Acceleration feed-forward and speed feed-forward compensation
- Switching of control modes on-the-fly
- Safety function technologies(STO, SS1, SS2)
- Different frequency vibrations suppression

CoolDrive A8 product line



CoolDrive A8 Applications









Printing machinery

- Multi-axis integrated servo drive
- Built-in multiple robot-specific control algorithms
- EtherCAT Industrial Ethernet
- Multiple Safety function features
- Various vibration suppression functions
- Absolute encoder with maximum resolution up to 24 bits
- Multi-axis synchronization deviation smaller than 1µs
- Acceleration feed-forward and speed feed-forward compensation
- Switching of control modes on-the-fly

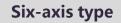
CoolDrive R

Industrial robot-specific multi-axis integrated servo drive



CoolDrive R product line







Four-axis type



Three-axis type

CoolDrive RC

Compact multi-axis integrated servo drive



- Compact multi-axis integrated servo drive
- Meet the needs of lightweight industrial robots and general industrial application
- EtherCAT industrial Ethernet
- Various vibration suppression functions
- Absolute encoder with maximum resolution up to 24 bits
- Multi-axis synchronization deviation smaller than 1µs
- Acceleration feed-forward and speed feed-forward compensation
- Switching of control modes on-the-fly

CoolDrive RC product line

Robot series





Six-axis type





Four-axis type



Three-axis type

Two-axis type

CoolDrive R/RC Applications



Lightweight industrial robots



Collaborative robots



3C industry



Packaging machinery

New-generation smart servo drive



CoolDrive Smart

CoolDrive S7

CoolDrive S7

[High-end & Smart]

More Compact More Smart More Easy-to-use Excellent Performance

Multiple functions meet various industry needs



CoolDrive S7



CoolDrive S7 product line



Standard Type

CDS7S series



Multi-Function Type

CDS7F series



Direct-Drive Type

CDS7L series

CoolDrive S7——More Small

■ Compact appearance and structure





CoolDrive S7——More Compact

OLED screen shows more info



CoolDrive S7——More Easy-to-use

■ Using spring crimping terminal for reliable connection



CoolDrive S7——Performance



- Multi-core DSP
- 2.5µs current loop
- 62.5µs control cycle of speed loop and position loop
- Multiple encoders with resolution up to 24bits
- 5 notch filters with frequency 50~4000Hz
- Vibration suppression with frequency 0.5~300Hz

CoolDrive S7——Application functions



Auto-tuning function



Auto-adapting notch filter



Automatic gain switch



Vibration suppression



Model tracking vibration suppression



Quadrant projection compensation



High performance full-closed control



High-precision gantry synchronization



Field weakening control



Safety Functions



Wireless Bluetooth data communication



Strong data storage



CoolDrive S7 Applications



Industrial robots



Laser cutting



Printing machinery



Textile machinery



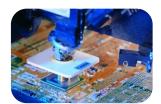
Metal processing



Entertainment industry



Rubber and plastic machinery



3C electronics

Professional Technical Services

■ Pre-sale service

Product selection, system optimization design

■ After-sale service

Product maintenance, system application troubleshooting, industry certification (such as Robot CR certification, etc.)

■ Customization service

Customized function development: vibration suppression, drag-and-drop control, anti-collision detection, etc

Customized product development: drive-controller integrated product, etc.

中国EtherCAT 驱动引领者 TSINO DYNATRON



THANKS

Please scan the QR code below to follow us