



JINPAT SLIP  
RING APPLICATION

AUTOMATION  
EQUIPMENT

# Technical Capacity

## Electric



Max.500 circuits



Max.4200A



Max 10,000V



Advantage

USB3.0,10G Ethernet, HDMI, SDI,  
ProfiNet, Powerlink, SercosIII,  
EtherCAT, Encoder, EtherNet/IP...

## Environment



Max.IP68



Air 7.5kPa(18000m)  
Underwater 4000m



Exd IIB T4 GB



Accelerate 18000g



-55 °C ~+250 °C

## Structure



Max.30,000rpm



370million revolutions  
2.3@2000rpm



Torque  
Min. 0.02 N.m



ID Max. 1m



Advantage

Integration :  
power+liquid+HF+FO

# Application Categories



Flow Packaging Machine



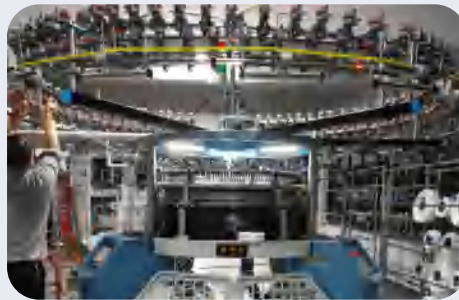
Bottle Blowing Machine



Lithium Dispensing  
& Filling Machine



Feeding System



Textile Equipment



Environmental  
Protection Equipment

# Flow Packaging Machine

## SOLUTIONS

● LPT038-0310-0702

## TECHNICAL FEATURES

Commonly used voltage of 380V, with integrated gas/liquid slip rings

Customised IP65 - IP68 protection levels can be supported

Stable encoder signal, no packet loss, no crosstalk and low loss



## SOLUTIONS

● LPT000-0810-21S-01A(JP29-062-02)

## TECHNICAL FEATURES

Multi-circuit, gas-electric integration

Multiple signals can be custom manufactured on request, multiple sizes available

Lifetime of 50 million revolutions or more, maintenance free





# Lithium Dispensing & Filling Machine

## SOLUTIONS

● LPT000-15602 ● LPT000-19002 ● LPT000-26002

## TECHNICAL FEATURES

Special structure design to control the concentricity of slip ring

Sub-module design to control the accumulated error of slip ring

It can be integrated with gas-liquid slip ring

Generally, each station has 20 channels, and the number of stations can be freely customized according to customer request, with strong anti-interference ability

156/168/190/200/240/260 and other multi-way products are mature solutions



## SOLUTIONS

- LPT025-0610-12S

## TECHNICAL FEATURES

6 circuits 10A, integrated with multiple signals such as Ethernet, control signal, thermocouple signal, etc

IP65, protection from external moisture penetration, good sealing



# Feeding and Dumping System

## SOLUTIONS

●LPC-76A ●LPC-56A

## TECHNICAL FEATURES

The cap cover is made of metal and has strong impact resistance, which can effectively protect the core components from normal operation at high frequency, and modify the life of video and network signals

It can integrate high-frequency optical fiber or hollow shaft to meet the transmission of multiple power supplies and special signals

Solve the winding problem of the loading and unloading rotary center and transmit current and signal at the same time





# Dispensing Equipment

## SOLUTIONS

● LPT000-0415-0802-E2-01A

## TECHNICAL FEATURES

Size can be selected standard or customized according to customer requirements, power supply, Ethernet signal and integrated 1 way gas

Adopt leading cluster brush form to ensure reliable contact contact and high life product

360 degree all-round realization of the dispensing process



# Dispensing Equipment

## SOLUTIONS

- LPC-36A

## TECHNICAL FEATURES

Capsule flange installation, compact size, 36 channels × 2A, common electrical signal life ≥ 10 million, modified video, network signal life ≥ 5 million



# Polishing Machine

## SOLUTIONS

● LPT050-4803-9202

## TECHNICAL FEATURES

The metal-to-metal contact adopts the leading cluster brush form to ensure reliable contact

Integrated current and signal provide multi-channels products with stable performance

Double-bearing and integral structure accurately control concentricity

Meet the transmission of various field bus signals, servo motor power, etc



## SOLUTIONS

- LPT000-3602-244S
- LPT000-0430-0420-0302- 0401-37S
- LPT000-3201-16A

## TECHNICAL FEATURES

300 multi-channel loops, compact size (  $\Phi$  119\*660 )

Internal wiring and special shielding module design can prevent encoder from reporting error codes

It is mainly used to supply power to servo motor and transmit encoder signal



## SOLUTIONS

- LPT080-0220-05S-01A
- LPT000-1610-2E2-1A

## TECHNICAL FEATURES

Power and signal compatible design and integrated gas

Meet all types of fieldbus signals, CC-Link, servo motor power and compressed air transmission

High accuracy, transmission stability, long life and customizability

In actual use more applied to wipe clean, automotive welding and other industrial type robots





# Glass Fiber Drawing Machine

## SOLUTIONS

● LPT130-0830-16S

## TECHNICAL FEATURES

8 circuits \* 30A/16 circuits \* encoder signal

Precise routing to prevent the wires from obstructing the high-speed free rotation of the slip ring

Voltage strength between two circuits  $\geq 000\text{VAC}@50\text{Hz}$

Anti-vibration: amplitude  $\leq 500 \mu\text{m}$

Stainless steel airtight structure against moisture

Glass fiber drawing machine that pulls the molten glass in the form of fiber filaments and winds them into fiber rolls according to certain rules



## SOLUTIONS

- LPT038-0402-04S
- LPT038-02E3

## TECHNICAL FEATURES

Through hole with ID 38.1mm. Ethernet integrated power design

0-300rpm works at - 20 °C ~ +60 °C (customizable)

Working voltage: 0-380V, stable performance, fast delivery



# Glass Fiber Drawing Machine

## SOLUTIONS

● LPT025-1215

## TECHNICAL FEATURES

12 circuits 15A, fast response

The design of adding waterproof cover is better suitable for the complex working conditions of sewage tank



# High-Speed Railway test device

## SOLUTIONS

- LPT012B-0602-HS-HT

## TECHNICAL FEATURES

Positive and reverse rotation, low friction, ground contact resistance, no friction debris

The rotating speed reaches 2000 RPM and the lifespan up to 200 million revolutions

It can work at high temperature 150 °C and transmit Ethernet, LSB, RS232/RS422/RS485 serial signals, Canbus and Firewire signals



# Agricultural Machinery Automation

## SOLUTIONS

- LPT012-0214-0605-02S
- LPT038-0240-2S

## TECHNICAL FEATURES

Support customized IP65 -- IP68

Various connector types are available

Working in high temperature and extremely cold environment with stable quality





## Agricultural Machinery Automation

### SOLUTIONS

- LPM-12U
- LPC-24A-0604-06S
- LPT012B-0602-HS-HT

### TECHNICAL FEATURES

Industrial robots, robotic arms, underwater robots, etc./The number of special slip ring circuits for robotic arms can be customized to transmit various control and sensor signals/The special slip ring for robotic arms generally has the characteristics of long service life and maintenance-free



# BUSINESS PARTNER

