



馭科自動化科技有限公司

DRIVECONTROL AUTOMATION TECHNOLOGY LIMITED

PRODUCT & SUPPLY CHAIN SERVICES

Products & Supply Chain Services

Industrial Automation · Electronic Components · Sourcing Support

| Obsolete & Hard-to-Find Parts

| Volume Cost Optimization

| 10+ Years of Industry Experience

Keeping critical materials within reach

info@drive-control.com

Your Partner for Critical Material Sourcing

Drivecontrol Automation Technology Limited is a trading company specializing in electronic components and industrial automation materials. We support equipment manufacturers, system integrators, production maintenance teams and repair operations with sourcing, volume purchasing and delivery coordination.

01 / SOURCING

Obsolete & Hard-to-Find Parts

Targeted sourcing for legacy equipment maintenance, spare-parts replenishment and ongoing projects, based on full part numbers, quantities and required delivery dates.

02 / PORTFOLIO

Multi-Category Support

Coverage across control, drives, sensing, connectivity and electronic components, supporting both single-line RFQs and multi-line bills of materials.

03 / COST

Volume Cost Optimization

Practical cost opportunities identified through quantity, delivery schedules, product lifecycle, substitution options and commercial terms.

More than a decade of industry experience, with close attention to part-number accuracy, supply risk and actual delivery conditions.

Legal Name	馭科自動化科技有限公司
English Name	DRIVECONTROL AUTOMATION TECHNOLOGY LIMITED
Business Focus	Industrial automation materials, electronic components, obsolete and hard-to-find sourcing, and volume cost optimization
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Supply Paths Built Around Your Procurement Challenge

Each sourcing problem has a different priority: obsolete parts require availability and risk control, urgent shortages require delivery coordination, and volume purchasing requires a balance of price, inventory and continuity.

Scenario	Typical Challenge	Our Approach
Obsolete & End-of-Life	Original supply channels shrink while legacy equipment remains in service; market conditions vary significantly.	Verify full ordering codes and revisions, then separate original obsolete stock, acceptable item conditions and potential replacement evaluation.
Allocated & Hard-to-Find	Required quantities and delivery dates do not match available supply; RFQ details are incomplete.	Clarify quantity, destination and required date, then report availability, price, lead time and item-specific remarks.
Maintenance Spares	A missing critical spare can disrupt maintenance, while urgent purchasing adds cost and uncertainty.	Prioritize the spare-parts list by equipment criticality and consumption, supporting staged replenishment and ongoing sourcing.
Volume Cost Reduction	Fragmented pricing, frequent orders and uncoordinated delivery or inventory planning.	Consolidate demand and timing, compare purchasing terms, and identify items suitable for consolidation, split delivery or substitution.
Multi-Category BOMs	Complex automation and component specifications create part-number corrections and communication delays.	Review each line for part number, quantity and remarks, consolidate exceptions and reduce omissions or repeated clarification.

All services are subject to RFQ and order confirmation. Brand, part number, availability, price, lead time, item condition and warranty terms are confirmed case by case.

Industrial Automation

Product Coverage

Coverage across industrial control, motion, sensing, power and connectivity, supporting installed-base replacements, maintenance spares and multi-category sourcing lists.

Category	Typical Products	Key Purchasing Checks
Control & Processing	PLC racks and CPUs, digital and analog I/O, function modules and dedicated control modules	Full ordering code, series revision, hardware and program compatibility
Human-Machine Interface	HMI panels, industrial displays, operator panels, keypads and display accessories	Dimensions, interfaces, supply voltage, software and communications compatibility
Drives & Motion	Variable-frequency drives, servo drives and motors, stepper drives and motion controllers	Power, voltage, current, encoder feedback and drive-motor matching
Sensing & Feedback	Proximity and photoelectric sensors, encoders, limit switches, pressure and temperature devices	Sensing method, range, output signal, mounting and connection specification
Power & Distribution	Power supplies, circuit breakers, contactors, relays, protection and control devices	Ratings, coil voltage, contact configuration and mounting method
Networks & Connectivity	Industrial communication modules, fieldbus components, connectors, cables and accessories	Protocol, interface, pinout, cable length and environmental requirements

Installed-Base Spares

Confirm equipment nameplates, module ordering codes and revisions first to avoid mistakes caused by similar part numbers or suffixes.

Project & Volume Lists

Organize requirements by product line and delivery date, separating critical long-lead items, standard items and technical review items.

Legacy Parts Purchasing Starts with Compatibility Checks

Similar appearance does not mean direct interchangeability. Before sourcing or evaluating a replacement, review electrical, mechanical, software and communication requirements together.

Check	Information to Confirm	Procurement Impact
Part Number & Revision	Full ordering code, suffix, hardware revision, firmware or production-batch requirements	Defines the sourcing scope and avoids purchasing by series name alone
Electrical Ratings	Supply, voltage, current, power, I/O and signal types	Affects safe operation and compatibility with the existing system
Mounting & Structure	Dimensions, mounting method, terminal positions, cooling and protection requirements	Affects replacement work, modification and installation effort
Software & Communications	Programming environment, program compatibility, protocols, interfaces and parameter settings	Determines whether additional commissioning or system changes are required
System Matching	Drive-motor, controller-module and encoder-feedback accessory compatibility	Prevents a usable individual item from failing within the complete system

Replacement notice: Any substitute should be assessed and validated by the responsible equipment or technical owner. A similar model should never be treated as a direct replacement without compatibility confirmation.

ORIGINAL OBSOLETE PARTS

State whether specific years, batches, packaging or item conditions are acceptable, and agree on acceptance requirements before ordering.

REPLACEMENT EVALUATION

Provide the original part number, application and critical parameters. Compare documentation first, then validate with samples or a small batch.

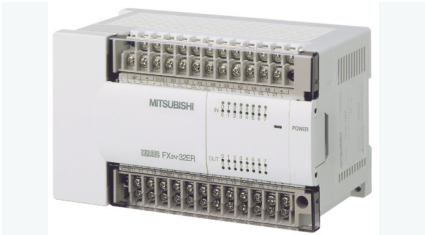
Obsolete & Hard-to-Find Automation | Control Systems

Common controller and I/O sourcing directions for legacy equipment. Typical part numbers are provided for identification only; lifecycle, availability and item condition must be verified against each full ordering code.

Brand	Series	Typical Part Numbers	Reference Status
Siemens	SIMATIC S5	6ES5 095-8MB02 6ES5 943-7UB11 6ES5 944-7UA12	Legacy platform Obsolete spares demand
Siemens	SIMATIC S7-300 ET 200M	6ES7315-2AH14-0AB0 6ES7315-2EH14-0AB0 6ES7331-7KF02-0AB0	PM410 type discontinuation 1 Oct 2025
Mitsubishi Electric	MELSEC-F FX2N / FX2NC	FX2N-48MR-001 FX2N-64MR-001 FX2N-4AD	Production discontinued Sep 2012
Mitsubishi Electric	MELSEC-A / QnA	A2USHCPU-S1 A1SX42 A1SY42	Legacy series Verify by full part number
Allen-Bradley Rockwell	PLC-5 / 1771 I/O	1785-L20E 1785-L80C15 1771-IBN	Remaining PLC-5 processors announced EOL
Allen-Bradley Rockwell	SLC 500 / 1746	1747-L541 1747-L553 1746-NI8	Selected catalog numbers discontinued; not the entire series
Omron	C200H / CQM1	C200H-CPU01-E C200H-ID212 CQM1-CPU21-E	Legacy series Verify model by model



SIMATIC S7-300 CPU 314C-2 PN/DP
Image: RS



MELSEC FX2N-32ER expansion module
Image: Mitsubishi Electric



PLC-5 / 1771 platform
Image: Rockwell Automation

Sources: [1] Siemens, S7-300 / ET 200M Product Phase-out; [2] Mitsubishi Electric FA Product Migration Guide; [3] Rockwell, PLC-5 / RSLogix 5 EOL; [4] Rockwell, SLC 500 product page; [5] SECO/WARWICK, SIMATIC S5 migration note. Lifecycle status reviewed: 27 Oct 2026.

Obsolete & Hard-to-Find Automation | Drives & Motion

Drives, servos and motors usually operate as matched systems. In addition to full part numbers, provide power, voltage, control mode, encoder feedback and the original motor model.

Brand	Series	Typical Part Numbers	Reference Status
Siemens	MICROMASTER 4 420 / 430 / 440	6SE6420-2UD15-5AA1 6SE6440-2UD23-0BA1 6SE6440-2UD27-5CA1	Phase-out from active marketing began in 2017
Siemens	SIMODRIVE 611 / 611 universal	6SN1123-1AA00-0CA1 6SN1118-0DM33-0AA1 6SN1145-1BA01-0BA1	Phase-out from active marketing began in 2014
Mitsubishi Electric	MELSERVO MR-J2S	MR-J2S-70A MR-J2S-100A HC-KFS73	Production discontinued Aug 2015
Mitsubishi Electric	MELSERVO MR-J3 / J3W	MR-J3-70A MR-J3-100A HF-KP73	Production discontinued May 2019
Mitsubishi Electric	FREQROL A500 / E500	FR-A540-5.5K FR-A520-0.75K FR-E520-0.75K	Legacy series Verify date by model
Allen-Bradley Rockwell	1336 PLUS / II Ultra 3000	1336F-BRF50-AA-EN 1336S-B015-AA-EN4 2098-DSD-010	Legacy platforms Check by catalog number
Omron	SYSDRIVE 3G3JV / 3G3MV	3G3JV-A2007 3G3MV-A2007 3G3MV-A2015	Legacy series; selected models marked discontinued



MICROMASTER 440
Image: Quicktime Online

Sources: [6] Siemens, MICROMASTER 4 Phase-out; [7] Siemens, SIMODRIVE 611 Phase-out; [8] Mitsubishi Electric FA Product Migration Guide [2]; [9] Rockwell, Product Lifecycle Status; [10] Radwell, 3G3MV-C2001 discontinued notice. Lifecycle status reviewed: 27 Oct 2026.

Other Legacy Series for Model-Specific Review

ABB ACS600 / AC31, Schneider Modicon TSX / Quantum, GE Fanuc Series 90-30 and Yaskawa Varispeed G7 / F7. These are listed as legacy sourcing directions only; no series-wide lifecycle status is implied.

System checks: drive · motor · encoder cable · braking unit · communication option.

Obsolete & Hard-to-Find Electronic Components

Programmable logic, legacy MCUs and memory are common lifecycle sourcing categories. The table distinguishes series-level discontinuance, selected ordering-code discontinuance and legacy families requiring model-specific checks.

Brand	Series	Typical Part Numbers	Reference Status
AMD / Xilinx	XC9500XL CoolRunner-II	XC9572XL-10TQG100C XC95144XL-10TQG100C XC2C64A-7VQG44C	Covered by 2024 discontinuance notice
AMD / Xilinx	Spartan-II Spartan-3 families	XC2S100-5PQG208C XC2S200-5FG456C XC3S400-4PQG208C	Covered by 2024 discontinuance notice
Intel / Altera	MAX 7000 / 7000S / 7000B	EPM7064LC44-15 EPM7128EQC100-15 EPM7128SLC84-10N	Selected ordering codes discontinued; not every suffix
Intel / Altera	FLEX 10K APEX 20K	EPF10K30BC356-4 EPF10K10LC84-4 EP20K100EQC208-3	Selected devices or ordering codes discontinued
Intel	MCS-51 / MCS-96 original Intel lines	P80C51BH P87C51FA P80C196KB	Original Intel legacy lines; discontinuance notice issued
NXP / Freescale	68HC11 / HC11	MC68HC711E9CFN2 MC68HC11A1FN MC68HC11E1CFN2	Legacy MCU family entered discontinuance process
Intel / AMD	28F StrataFlash Am29F Flash	TE28F160C3BD70 JS28F128J3D75 AM29F040B-70JC	Legacy memory families Verify by full part number
STMicroelectronics	ST62 / ST7	ST62T25C6 ST72F324BK6T6	Legacy MCU sourcing direction; verify model by model



Sources: [11] eeNews Europe, AMD/Xilinx CPLD and low-end FPGA discontinuance report; [12] Intel/Altera, Selected MAX 7000 PDN; [13] Altera, FLEX / APEX 20K PDN; [14] Intel PCN 106013-01 (MCS-51 / MCS-96 and others); [15] NXP Community, HC11 discontinuance note. Reviewed: 27 Oct 2026.

Electronic Component Product Coverage

Support for board-level materials, production BOMs and maintenance spares across semiconductors, passives, connectivity and electromechanical products. Availability is confirmed against each full part number.

Category	Typical Products	Key Purchasing Checks
Integrated Circuits	Microcontrollers, memory, analog and interface ICs, logic and signal-chain devices	Full suffix, package, temperature grade, function and revision
Power & Discrete	MOSFETs, IGBTs, diodes, transistors, rectifiers and power modules	Voltage, current, package, pinout, thermal data and matching requirements
Passives	Resistors, capacitors, inductors, magnetics, crystals and filters	Electrical value, tolerance, voltage rating, package and temperature characteristics
Connectivity & Cable	Board-to-board, wire-to-board, circular and industrial connectors, terminals and cable assemblies	Position count, pitch, pinout, latch, wire gauge and length
Electromechanical & Protection	Relays, switches, fuses, fans, transformers and protection devices	Ratings, contacts, operating characteristics, dimensions and environment
Optoelectronics & Display	Optocouplers, LEDs, displays, infrared and optical sensing devices	Optical parameters, package, viewing angle, interface and brightness

Full part numbers enable efficient sourcing: Different suffixes within one base model can indicate different packages, temperature grades, environmental status or packing methods. Preserve all suffixes in the RFQ.

Obsolete & Hard-to-Find Sourcing Process

Sourcing is only one part of the task. Part-number accuracy, item condition, delivery terms and risk information must also be clear enough to support a practical purchasing decision.

01

Requirement Profile

Confirm full part number, quantity, target lead time, destination and application.

02

Targeted Sourcing

Source by lifecycle and urgency, recording available quantities and conditions.

03

Information Review

Check batch, packaging, appearance, labels and acceptable item condition.

04

Commercial Confirmation

Agree price, lead time, payment, delivery and acceptance terms.

05

Delivery Coordination

Follow preparation and delivery, communicate exceptions and retain records.

RECOMMENDED RFQ DETAILS

- Full brand, part number and suffix; equipment or nameplate photos where useful
- Required quantity, target price, latest delivery date and destination
- Acceptable year, batch, packaging, condition and environmental requirements
- Whether substitutes, split deliveries or multiple-source quotations are allowed

KEY RISK DISCUSSIONS

- Storage, packaging and solderability risks associated with older batches
- Acceptance differences among similar models, pulled parts and refurbished items
- Availability and lead-time changes during market shortages
- Conditions for special inspection, third-party verification or sample approval

For critical equipment and high-risk applications, validate a sample or small batch before volume purchasing. Inspection items and acceptance criteria should be agreed before ordering.

Volume Cost Optimization Goes Beyond Unit Price

Effective cost optimization considers price, delivery schedules, inventory, quality risk and downtime exposure. We review the BOM and demand structure to identify practical opportunities.

Total Procurement Cost = Material Price + Purchasing & Logistics + Inventory + Supply & Quality Risk

Direction	Approach	Trade-offs
Demand Consolidation	Combine quantities for the same item across projects or planning periods.	Actual consumption, MOQ and inventory turnover
Delivery Splitting	Separate urgent and standard deliveries to avoid waiting for the entire order or expediting every line.	Split-shipment logistics and arrival schedule
Lifecycle Planning	Identify obsolete, end-of-life and allocated items early; distinguish stock-building from ongoing sourcing.	Stock quantity, aging and demand changes
Substitution & Specification Review	Where technically permitted, evaluate packages, series or alternatives with better availability.	Validation cost, compatibility and change risk
Commercial Comparison	Compare quantity breaks, packaging, destination, payment and order terms.	Payment terms, taxes, freight and acceptance requirements

Cost recommendations require a real BOM, estimated usage and delivery plan. For critical materials, apparent savings should not come at the expense of traceability or fitness for use.

Address Quality & Risk Before Order Confirmation

Different sources, lifecycle stages and item conditions require different acceptance checks. Agreeing critical conditions during quotation and ordering helps reduce misunderstandings after delivery.

Stage	Key Checks	Customer Input
RFQ	Full part number, package suffix, quantity, target lead time, application and acceptance requirements	Provide an accurate list and identify mandatory restrictions
Quotation	Availability, price, lead time, batch, packaging, item condition and special remarks	Confirm acceptable conditions and compare like-for-like terms
Before Ordering	Delivery plan, acceptance criteria, inspection needs, warranty scope and exception handling	Confirm technical and commercial requirements in writing
Preparation & Delivery	Check labels, quantity, appearance and packaging as agreed; monitor delivery milestones	Confirm changes promptly and prepare receiving and inspection
Receipt Feedback	Review issues against the order and acceptance terms; record batch, photos and symptoms	Retain original packaging and labels; consolidate exception details

Part-Number Risk

Prevent missing suffixes, wrong packages, revision differences and similar-model mistakes.

Condition Risk

Define acceptable boundaries for original packaging, bulk new, pulled or other conditions.

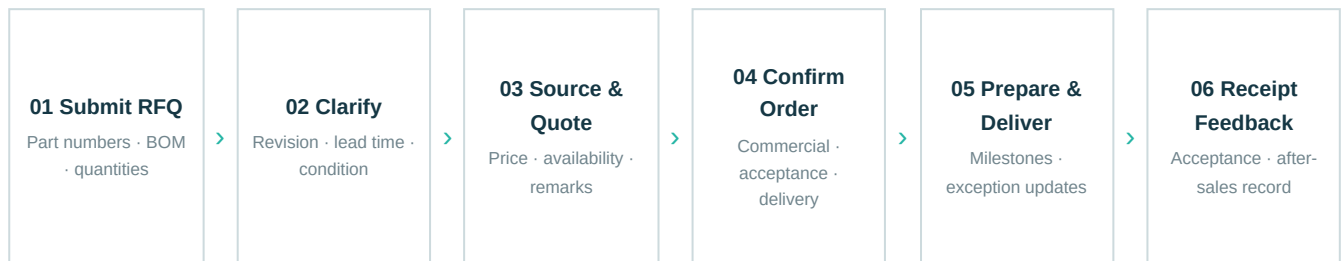
Delivery Risk

Reconfirm quantities and timing for allocated and split-delivery orders.

Inspection capability, test items, warranty period and after-sales handling are confirmed by item and order. This profile does not replace contractual terms.

A Clear Workflow for Traceable Purchasing Information

From a single part number to a multi-line BOM, each request starts with written requirements and progresses through feedback, confirmation, delivery and acceptance.



A / SINGLE ITEM

Single-Part Sourcing

For obsolete, allocated, maintenance or urgent replacement needs, focusing on part number, quantity, lead time and acceptable item condition.

B / BOM SUPPORT

BOM Quotation Support

For multi-category BOMs and automation lists, with line-by-line availability feedback and consolidated shortage, substitution and clarification items.

C / VOLUME ORDER

Volume Purchasing

For defined quantities and delivery schedules, comparing quantity breaks, split deliveries and commercial terms.

D / SPARE PARTS

Ongoing Spares Support

For legacy equipment and critical spare lists, tracking obsolete and hard-to-find items and helping prioritize replenishment and sourcing.

To reduce repeated communication, use one contact window to consolidate part-number changes, quantity adjustments, quotation validity and order confirmations.

RFQ & BOM Submission Guide

Complete information makes it easier to identify availability and risk items. Preserve original part numbers and suffixes, and identify technical conditions that cannot be changed.

CORE FIELDS

- Brand and full part number, including every suffix
- Required quantity, target quantity and minimum acceptable quantity
- Target price, currency and requested delivery date
- Destination country / region and receiving requirements

ADDITIONAL NOTES

- Equipment, board location or repair application
- Batch, year, packaging and item-condition requirements
- Whether substitutes, split delivery or sample validation are allowed
- Inspection, environmental, traceability and acceptance documents

Line	Brand	Full Part Number	Quantity	Notes
01	As listed	Preserve all suffixes and revisions	Required	Target price · date · destination
02	As listed	Include hardware revision for automation items	Required	Substitutes or split delivery allowed?
03	As listed	Specify package for electronic components	Required	Year · packaging · item condition
04	As listed	Attach photos for unclear markings	Required	Inspection and acceptance requirements

Typical Applications

Automation equipment manufacturing and maintenance, electronics production, system integration, repair services, spare-parts management and other industrial or component purchasing needs.

Send your part list or BOM to info@drive-control.com, including your company, contact person, required delivery date and destination.

Start with Your Parts List

Whether you need one obsolete part or support for a multi-category volume BOM, send us your requirements. We will focus our communication on availability, purchasing conditions and delivery requirements.

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