



**THE CONTROL DESIGN READERS' CHOICE AWARDS** have come of age. In this, the 18th year, voting has matured and reached a level of consistency that respects tradition and acknowledges new solutions that meet the needs of today's machine builders. The people have spoken. You've made your choice with your integration and your voice.

## CONTROL

### CNC Controller

1. Fanuc
2. Siemens

### Loop Controller

1. Honeywell
2. Siemens
3. Rockwell Automation
4. Yokogawa

### Motion Controller

1. Rockwell Automation
2. Siemens
3. Schneider Electric
4. Fanuc
5. Yaskawa

### Programmable Automation Controller (PAC)

1. Rockwell Automation
2. Siemens
3. AutomationDirect
4. Schneider Electric

### Programmable Logic Controller (PLC)

1. Rockwell Automation
2. Siemens
3. Schneider Electric
4. Omron
5. AutomationDirect

### Embedded Computer System

1. Rockwell Automation
2. Beckhoff Automation
3. Advantech

### Industrial-Grade Computer

1. Advantech
2. Rockwell Automation
3. Schneider Electric
4. Dell
5. Siemens
6. Beckhoff Automation

### Methodology

The 2018 Control Design Readers' Choice Awards winners were selected by readers like you. More than 15,000 individuals who identify themselves as having buying influence or authority were invited to access our confidential ballot. All of the voting is unaided, meaning that no list of supplier choices is provided for guidance or assistance in the ballot. It is created entirely by the participants, who may vote for first, second and third preferences in each category. The results are grouped by Control, Hardware, Motion, Networking, Safety, Sensing and Software categories. The results do not knowingly include votes from any suppliers in the final tally.

## HARDWARE

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### Circuit Protection

1. Eaton
2. Schneider Electric
3. Rockwell Automation
4. ABB

### Industrial Electrical Connector/ Cordset

1. Turck
2. Rockwell Automation
3. Molex Woodhead
4. Phoenix Contact
5. Murrelektronik

### Industrial Enclosure

1. nVent
2. Rittal
3. Saginaw Control & Engineering
4. Hammond Manufacturing

### Industrial Enclosure Thermal Product

1. nVent
2. Rittal

### Operator Interface

1. Rockwell Automation
2. Schneider Electric
3. Siemens
4. AutomationDirect

### Panel Meter

1. Red Lion
2. Simpson Electric
2. Precision Digital
4. Omega Engineering

### Power Supply

1. Rockwell Automation
2. Phoenix Contact
3. Emerson
4. Puls
5. Siemens

### Relay

1. Rockwell Automation
2. Omron
3. Phoenix Contact
4. IDEC
5. Schneider Electric

### Stack Light Tower

1. Rockwell Automation
2. Banner Engineering
3. Patlite
4. Werma
5. Schneider Electric

### Terminal Block

1. Phoenix Contact
2. Rockwell Automation
3. Wago
4. Weidmuller
5. AutomationDirect

### Wire & Cabling

1. Belden
2. Alpha
3. Turck
4. Southwire
5. Lapp

## MOTION

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### Gear Reducer

1. SEW-Eurodrive
2. Wittenstein
3. Stober
4. ABB
4. Apex

### Hydraulic System Controls/ Components

1. Parker
2. Bosch Rexroth
3. Eaton

### Industrial Electric Motor

1. ABB
2. Regal Beloit
3. Siemens
4. SEW-Eurodrive

### Industrial Electric Motor Drive

1. Rockwell Automation
2. ABB
3. Siemens
4. Yaskawa

### Linear Motion Actuator/Slide/ Guide

1. Tolomatic
2. Rockwell Automation
3. Parker
3. Bosch Rexroth
5. NSK
6. Festo

### Servo Motor

1. Rockwell Automation
2. Yaskawa
3. Bosch Rexroth
4. Siemens

# cover story

## MOTION

### Stepper Motor

1. Schneider Electric
2. Oriental Motor
3. Kollmorgen

### Motor Starter

1. Rockwell Automation
2. Schneider Electric
3. Siemens
4. ABB

### Pneumatic Cylinder/Actuator

1. Festo
2. Bimba
3. SMC
4. Parker
5. Emerson

### Pneumatic Systems Controls/Components

1. SMC
2. Festo
3. Emerson
4. Parker

### Robots

1. Fanuc
2. ABB
3. Yaskawa
4. Kuka Robotics

## NETWORKING

### Data Acquisition System

1. National Instruments
2. Schneider Electric
3. Rockwell Automation

### Data Recorder

1. Yokogawa
2. Honeywell
2. Rockwell Automation

### Wired Network Components

1. Cisco
2. Red Lion
3. Rockwell Automation
4. Moxa

### Wireless Network Components

1. Cisco
2. Phoenix Contact
3. Siemens
3. Banner Engineering

### Network Protocol Converters/Bridges/Adapters

1. ProSoft Technologies
1. Cisco
3. Rockwell Automation
4. HMS Industrial Networks

### Network Router/Switch

1. Cisco
2. Red Lion
3. Rockwell Automation
4. Phoenix Contact

### Input/Output System

1. Rockwell Automation
2. Turck
3. Siemens
4. Wago

### Machine-Mount Input/Output

1. Rockwell Automation
2. Turck
3. Balluff
4. Wago

### Remote Machine Access

1. HMS Industrial Networks
2. Phoenix Contact
3. TeamViewer

## SAFETY

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### Industrial Enclosure Purge System

1. Pepperl+Fuchs
2. nVent
3. Rittal
4. R. Stahl
5. Exair
6. Mencom

### Intrinsic Safety Components

1. Pepperl+Fuchs
2. Rockwell Automation
3. Phoenix Contact

### Machine Safety Components

1. Rockwell Automation
2. Omron
3. Banner Engineering

### Programmable Safety Controller

1. Rockwell Automation
2. Siemens
3. Banner Engineering
4. Omron

### Safety Network Components

1. Rockwell Automation
2. Omron
3. Siemens

### Safety Relay

1. Rockwell Automation
2. Pilz
3. Siemens
4. Phoenix Contact

## SENSING

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### Linear Position Sensor

1. Balluff
2. Keyence
3. Turck
4. Heidenhain
5. Ifm efector

### Machine Vision System

1. Cognex
2. Keyence
3. Omron

### Encoder/Resolver Measurement

1. Rockwell Automation
2. BEI
3. Heidenhain
4. Dynapar
5. Siemens
6. Turck

### Flow Measurement

1. Emerson
2. Endress+Hauser
3. Siemens
4. Ifm efector
5. Keyence

### Level Measurement

1. Endress+Hauser
2. Emerson
3. Vega
4. Pepperl+Fuchs

### Load Cell/Weighing Measurement

1. Mettler Toledo
2. Transducer Techniques
3. Rick Lake
3. Siemens

## Pressure Measurement

1. Emerson
2. Endress+Hauser
3. Ifm efector
4. Siemens

## Temperature Measurement

1. Emerson
2. Omega
3. Endress+Hauser
4. ABB
5. Omron

## Vibration Measurement

1. GE
2. Rockwell Automation
3. Emerson
4. CTC

## Photoelectric Sensing

1. Banner Engineering
2. Rockwell Automation
3. Keyence
4. Omron
5. Sick
6. Ifm efector

## Proximity Switch

1. Turck
2. Rockwell Automation
3. Ifm efector
4. Pepperl+Fuchs
5. Banner Engineering

## Ultrasonic Sensor

1. Banner Engineering
2. Turck
3. Pepperl+Fuchs
4. Siemens

## RFID/Barcode Reader

1. Cognex
2. Turck
3. Sick
4. Keyence

## SOFTWARE

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### Data Acquisition Software

1. Schneider Electric
2. National Instruments
3. Rockwell Automation
4. Inductive Automation

### ECAD Software

1. Autodesk
2. Eplan
3. Dassault Systems

### Integrated Development Platform Software

1. Rockwell Automation
2. Siemens

### HMI Software

1. Schneider Electric
2. Rockwell Automation
3. Siemens
4. AutomationDirect
4. Omron

## SOFTWARE

### Motion Control Software

- 1. Rockwell Automation
- 2. Siemens
- 3. Schneider Electric

### PC-Based Machine Control Software

- 1. Beckhoff Automation
- 2. Rockwell Automation
- 3. Siemens
- 4. National Instruments

### PLC Programming Software

- 1. Rockwell Automation
- 2. Siemens
- 2. Schneider Electric
- 4. AutomationDirect

### Network Management Software

- 1. Cisco
- 2. Rockwell Automation

### By the numbers

Of the 65 categories in the Readers' Choice Awards, Rockwell Automation was the big winner, earning the top spot in 21 of them. Cisco won four categories, while Schneider Electric and Emerson each earned first place in three. Other multiple category winners included Banner Engineering, Cognex, Fanuc, nVent, Pepperl+Fuchs and Turck. ABB, Advantech, Autodesk, Balluff, Beckhoff Automation, Belden, Eaton, Endress+Hauser, Festo, GE, HMS Industrial Networks, Honeywell, Mettler Toledo, National Instruments, Parker, Phoenix Contact, ProSoft Technologies, Red Lion, SEW-Eurodrive, SMC, Tolomatic and Yokogawa each won one category.