

# Access Control

## MOTION CONTROL SOLUTIONS

[motors.crouzet.com](http://motors.crouzet.com)

# ABOUT CROUZET

All around the world for more than 50 years, Crouzet has been providing an innovative engineering expertise, high quality service and a complete offer of standard and customized direct drives, geared motors and motion control solutions for all applications where performance is a key issue.

Crouzet is a brand of InnoVista Sensors™.

[www.crouzet-motors.com](http://www.crouzet-motors.com)

With a long-term commitment to technological excellence, the engineering teams have mastered the following core technologies and know-how:

- › Electromagnetism
- › Thermal dynamics
- › Electromechanical systems
- › Electronic drives

Covering the power range 1 to 700W (1/100 to 1HP) and available with spur, worm and planetary gearboxes, plus adapted controllers, our offer is specifically designed for access control systems, pumps and valves, railway applications, electrical equipment, medical equipment and the industry.

## INNOVISTA SENSORS

InnoVista Sensors™ is a worldwide industrial specialist of sensors, controllers and actuators for automated systems.

Through its brands, Crouzet and Systron Donner Inertial, InnoVista Sensors™ offers a wide range of reliable, efficient and customizable components dedicated to the Aerospace & Defense, Transportation and Industrial markets and segments.

Thanks to the recognized expertise of its teams and a strong innovation policy, InnoVista Sensors™ brings performance enhancing solutions to its customers worldwide.

InnoVista Sensors™: your trusted partner of choice to face industrial challenges of today and tomorrow.

[www.innovistasensors.com](http://www.innovistasensors.com)

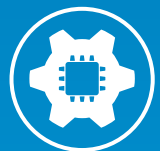
### Designs & Manufactures



Sensors



Controls



Actuators

### For



Aerospace  
& Defense



Transportation



Industry



# CROUZET OFFER

## RELIABILTY, PERFORMANCE, SAFETY

Crouzet, a brand of InnoVista Sensors™, has heavily invested in innovation and eco-design (ISO14001). Our engineering team has developed a range of electronics, motors, gearboxes and software specially dedicated to access control management.

### DCmind Brush motors

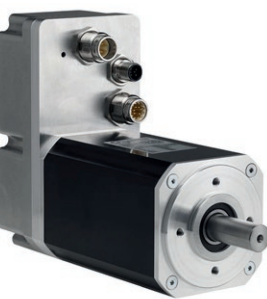


- › Exceptionally quiet: ≤ 35dBA
- › 80 % + efficiency
- › 5000 to 24,000 hour service life
- › UL 1004 / CE / ROHS

- › Extremely quiet
- › Long working life
- › Highly efficient
- › Robust



### DCmind Brushless motors



- › Integrated electronics
- › CANopen available, other communication buses on demand
- › Encoder: 4096 pulses/revolution
- › Available in Hall effect version
- › Safety inputs included
- › IP65 / IP67 / IP69K

- › Large power range, from 40 to 700W
- › High level of accuracy
- › Programmable movements
- › Safety functions included



### DCmind Soft: Motion control with simplified programming, for DCmind Brushless



- › Internal programs dedicated to Access Control
- › Easy programming of speed, torque and position control
- › Auto learning stops / abutments
- › HMI development on demand

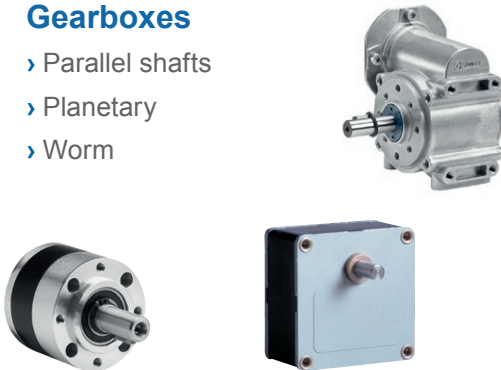
### Accessories & options

- › Brakes from 0.25 Nm to 1.5 Nm
- › Encoders from 1 to 1000 pulses/revolution 1 or 2 channels
- › IP65 / IP67 / IP69K



### Gearboxes

- › Parallel shafts
- › Planetary
- › Worm



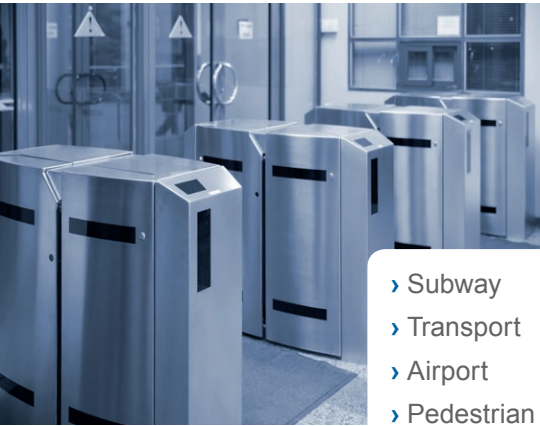
# MOTION CONTROL SOLUTIONS

## FOR ACCESS CONTROL

As a market leader in motion control solutions where precision and safety are critical, Crouzet offers standard and fully customized products for access control applications. These solutions are characterized by low noise operation, innovative design and sophisticated safety concepts.

## INNOVATIVE PRODUCTS FOR

### Passenger Access



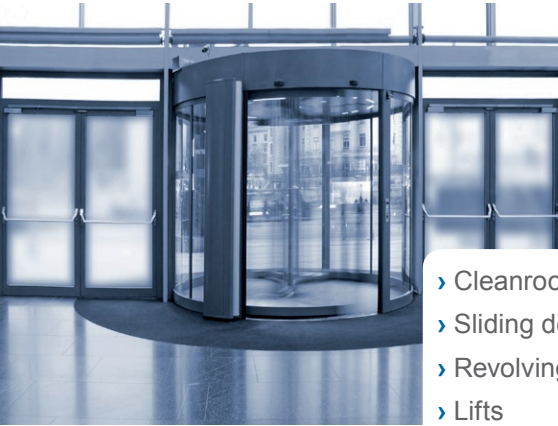
- › Subway
- › Transport
- › Airport
- › Pedestrian

### Vehicle Access



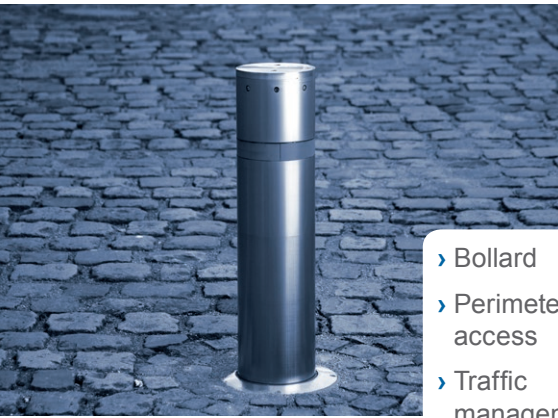
- › Toll
- › Parking
- › Barriers
- › Automated fences

### Building Access



- › Cleanroom doors
- › Sliding doors
- › Revolving doors
- › Lifts

### City Access



- › Bollard
- › Perimeter access
- › Traffic management

## BENEFITS

### Performance

Crouzet offers products with the greatest accuracy and highest efficiency on the market.

### Reliability

To ensure a permanent and seamless operation of your access control systems, Crouzet provides robust products with long operating life, resistant to shocks and reliable even in the harshest conditions.

### Safety

Safety is Priority #1 for your access system users. To avoid incidents and accidents, Crouzet products offer safety sensor inputs and power supply interruption protection as well as resistance to fraud attempts.

# SPECIFIC DEVELOPMENTS

## FOR SPECIAL PROJECTS

To meet market expectations and provide you with the right solutions within the shortest timeframes, Crouzet has structured all company processes around the different types of product: standard products, adapted products or products specially developed for a customer.

### INTEGRAL SMART CONTROL

- › Brushless motors available with built-in control electronics, also available with communication bus
- › Control speed, torque and/or position with user friendly software, including simple fill-in-the-blanks programming for specific applications

### MOTOR SPECIFICATIONS

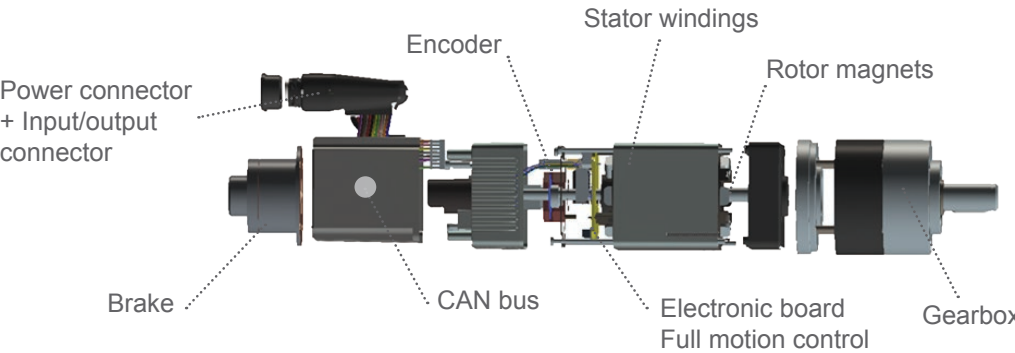
- › Wide range of power choices
- › Brush DC or Brushless DC technology with several choices of technical features

### GEARBOX AND OUTPUT SHAFT

- › We can provide gearing to meet your speed, torque, backdrivability, and output shaft strength and configuration requirements, as well as environmental protection

### ADDITIONNAL OPTIONS

- › Our motors for Access Control are designed to be delivered with brakes and/or encoders meeting your application requirements



## AND ALSO...

### SWITCHES AND POSITION SENSORS

- › Limit switches
- › Microswitches
- › Manually operated switches



Limit switches



Microswitches

### AUTOMATION AND CONTROL

- › Millenium 3 Logic Controllers
- › em4 nano-PLCs



Millenium 3



em4 nano-PLC

**AMERICAS**
**CANADA**

Tel.: +1 (855) 929-5465  
americas.custserv@crouzet.com

**MEXICO**

Tel.: +1 (855) 929-5465  
americas.custserv@crouzet.com

**USA**

+1 (855) 929-5465  
americas.custserv@crouzet.com

**COUNTRIES NOT LISTED**

+1 (855) 929-5465  
americas.custserv@crouzet.com

**EUROPE / MIDDLE EAST / AFRICA**
**BELGIUM**

Tel.: +32 (0) 2 620 06 05  
Fax: +32 (0) 2 461 00 23  
klantenservice@crouzet.com

**FRANCE**

Tel.: +33 (0) 475 802 101  
Fax: +33 (0) 475 828 900  
relationclient@crouzet.com

**GERMANY / AUSTRIA**

Tel.: +49 (0) 2103/9385930  
Fax: +49 (0) 2103/980-222  
kundenservice@crouzet.com

**ITALY**

Tel.: +39 (02) 38 594 099  
Fax: +39 (02) 82 952 104  
assistenzaclienti@crouzet.com

**SPAIN / PORTUGAL**

Tel.: +34 (91) 215 80 95  
Fax: +34 (93) 2 20 02 05  
atencionalcliente@crouzet.com

**SWITZERLAND**

Tel.: +41 (0) 225 67 57 90  
Fax: +41 (0) 565 88 02 75  
kundenservice@crouzet.com

**THE NETHERLANDS**

Tel.: +31 (0) 20-654 52 20  
klantenservice@crouzet.com

**UNITED KINGDOM**

Tel.: +44 (0) 2076 600 025  
customer.relation@crouzet.com

**COUNTRIES NOT LISTED**

Tel.: +33 (0) 475 802 102  
Fax: +33 (0) 475 828 900  
customer.relation@crouzet.com

**ASIA / PACIFIC**
**CHINA**

Tel.: +86 (21) 8025 7166  
Fax: +86 (21) 6107 1771  
china@crouzet.com

**INDIA**

Tel.: +91 (80) 4113 2204/05  
Fax: +91 (80) 4113 2206  
india@crouzet.com

**SOUTH KOREA**

Tel.: +82 (2) 2679 8312  
Fax: +82 (2) 2679 9888  
korea@crouzet.com

**EAST ASIA PACIFIC**

Tel.: +86 (21) 8025 7177  
Fax: +86 (21) 6107 1771  
eap@crouzet.com

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