

Access Control

MOTION CONTROL SOLUTIONS

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

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

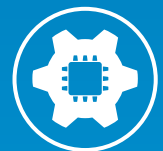
Designs & Manufactures



Sensors



Controls



Actuators

For



Aerospace & Defense



Transportation



Industry

CROUZET OFFER

RELIABILITY, 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

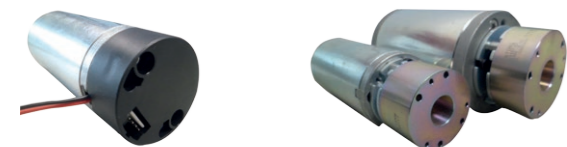
DCmind Soft: Motion control with simplified programming, for DCmind Brushless



- › 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

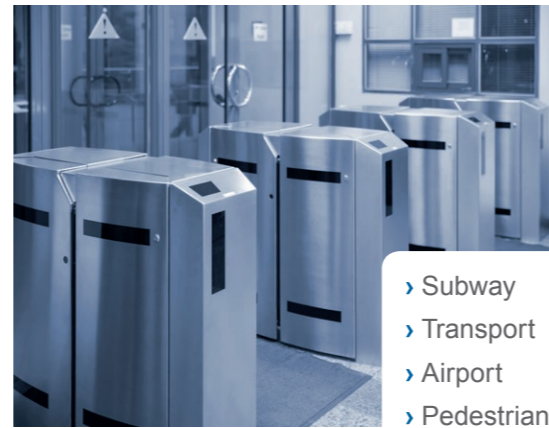


MOTION CONTROL SOLUTIONS FOR ACCESS CONTROL

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

Building Access



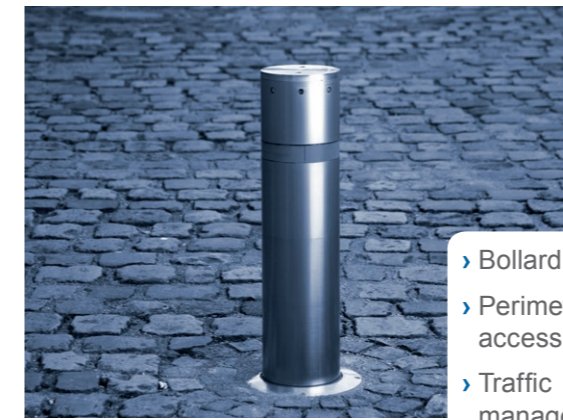
- › Cleanroom doors
- › Sliding doors
- › Revolving doors
- › Lifts

Vehicle Access



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

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

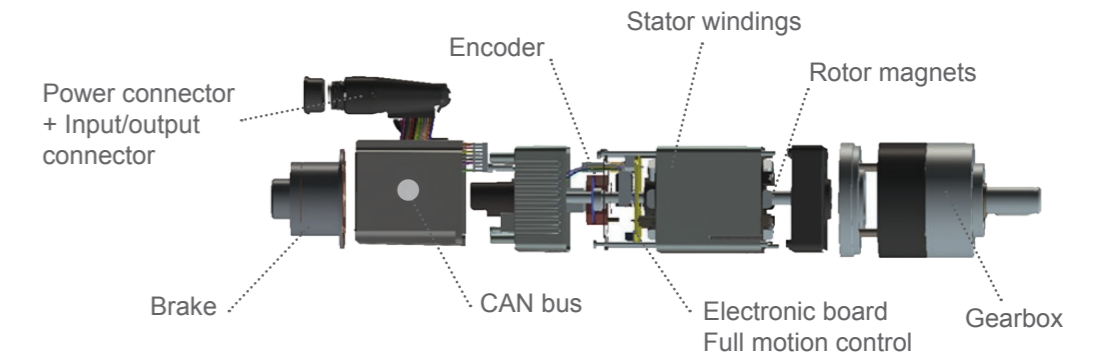
- › Wide range of power choices
- › Brush DC or Brushless DC technology with several choices of technical features

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

ADDITIONAL OPTIONS

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



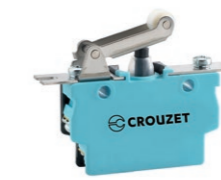
AND ALSO...

SWITCHES AND POSITION SENSORS

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



Limit switches



Microswitches



Millenium 3



em4 nano-PLC

AUTOMATION AND CONTROL

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

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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