

# FOBS ■ MAGAZINE

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*International trade journal for fencing and gate installers, perimeter security specialists, landscapers, architects and city planners*

New lever drive from Came

Fencing installers are stronger together

Roger Technology completes  
brushless range

Industry association  
MZT meets in Stuttgart

International  
version  
  
Auch in Deutsch  
erhältlich  
Ook beschikbaar in  
het Nederlands

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# Roger Technology completes brushless range



Miriam Molegraaf

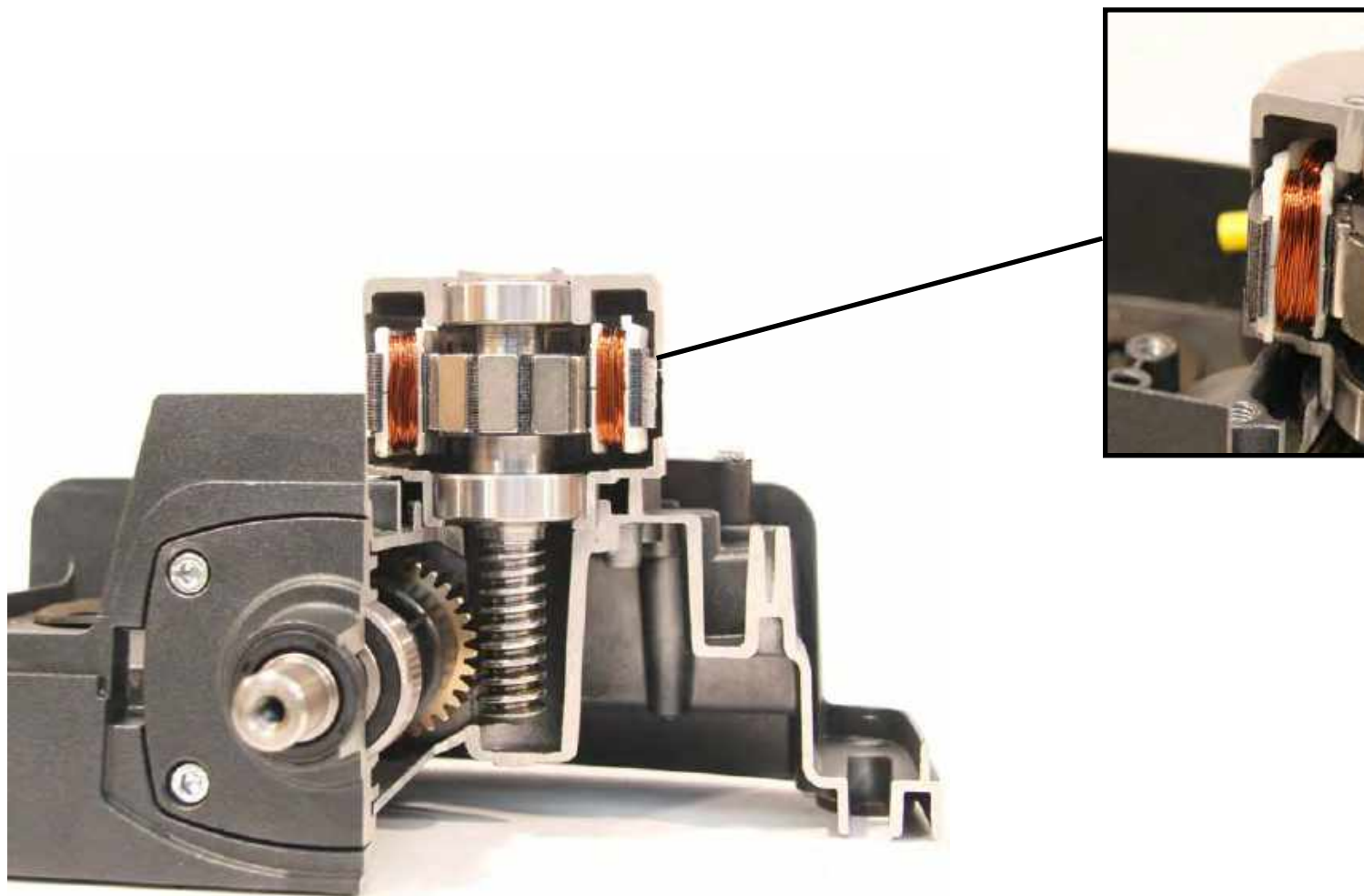
Italian drive manufacturer Roger Technology from Veneto recently added two new drives to its so-called brushless product range. An underground high-speed drive for swing gates and a high-speed sliding gate drive for gate leaves of up to 400 kilograms.

With these last two additions this product range consists of fourteen gate drives that use technology without carbon brushes, with a permanent magnetic field and a digital control unit. Earlier this year the range was already extended with various high-speed variants.





*“The motor is driven by a three-phase digital sinusoidal system. That is why we also call them Triple Force drives.”*



### Brushless

*“We are very proud of our meanwhile completely brushless product range,” says Gerry Delbare, director at Roger Belgium, Rogers distributor for Belgium. “Our brushless line is innovative and unique. Because our drives work without carbon brushes, they are suited better for intensive use. They were especially designed to operate in all circumstances and temperatures. The drives stay cool, independent from the number of movements per day. And at the same time they have low energy consumption and little wear.”*

### Technology

*He continues: “Our brushless drives are compact because of the specially concentrated coil windings. The motor is driven by a three-phase digital sinusoidal system. That is why we also call them Triple Force drives. The same motor can operate both on 24 Volts and 36 Volts, three-phase. The classic encoder was replaced by a feedback current, generated by the motor that serves as a dynamo. This makes micro-switches and capacitors redundant - which benefits maintenance - and yet, the controls know exactly where the gate leaf is.”*

### Product range

Together with the new BR21/351/HS and the BM30/HS the product range consists of sliding gate drives suitable for gate leaves of 400 to 2200 kilograms, surface-mounted swing gate drives for gate leaves of up to 7 metres and an underground swing gate drive for leaves of up to 5 metres. Both standard and high-speed versions are available. Apart from these, three arm barriers of 4, 6 or 8 metres and various accessories, among which are photocells, remote controls, columns and flashing lights, are available.





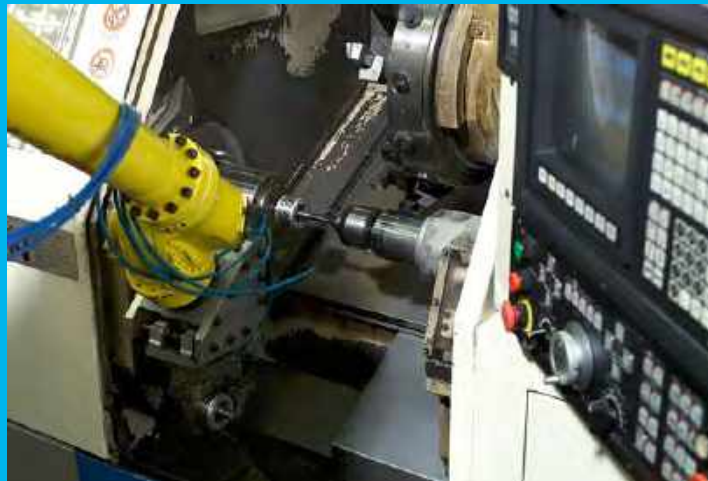
### Specifications

All of the mechanical components and gear wheels are made out of steel, fortified with titanium, cast iron and bronze. This applies to all of the drives. The covers of the drives are made out of cast aluminium and are fortified with titanium. The drives can be fitted with a back-up battery. ■

## Brushless drives

Brushless engineering has existed for some time now, but is not widely used in swing and sliding gate drives yet. Why is Roger Technology betting so big on it?

*"We want to revolutionise the automation industry," says Roberto dal Bianco. He is director at Italian company Roger Technology. "We were set on the idea of coming up with something that would change the way installations were done in the world of professional entry system automation. We liked the idea of creating a new hi-tech solution that would revolutionise the industry, giving the installer a great opportunity in terms of mechanical quality, a new experience associated with a new motor, and revolutionary electronics of which the design would also simplify automation system connections and commissioning."*



### Passion

He continues: *"After all these years of challenging our passion into producing both AC and DC electromechanical motors, we felt it was our duty to create something different, above all something that would be unique in terms of control, power, use and energy efficiency."*

### Competitors

*"While all of our competitors were starting to invest in 24V DC electronics and motors, we wanted to go a step further, most importantly, opted not to invest in 24V DC technology because we were the first not to believe in this technology. We regarded, and continue to regard, it as an old technology, one that's weak and expensive, especially for the performance it gives. With brushless drives speed can be dosed much better and they keep their force at low speed. Besides, they have less wear and they can be set up better and quicker using the digital controls."*

## Research

*"After 5 years of research, heavy investments and putting the automation systems through their paces both in-house and independently, we are proud to present an innovative Italian-made technology, conceived, designed and manufactured here in these facilities where we all are today. We have grouped everything together under one name - Roger brushless - a new technological era that will leave a real mark on the way you market and install professional automation systems." ■*

*"We want to revolutionise the automation industry"*



Vera Vanlooche , Dino Florian, Gerry Delbare & Roberto dal Bianco