

SOMMERZEITung

Special edition

SOM2016
OTION
SOMMERDAYS



SOMMER:
GROKE:
DOCO:

SOMMERdays and product highlights
Our new building in Hagenbach/Palatinate
New technologies for your door business

IMPRINT

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EDITORIAL

*Dear business partners,
dear readers,*

The special SOMMERdays this year have prompted us to publish a special edition of the SOMMERzeitung. The motto: SOMotion - our yearly event is all about "emotion in motion". What this motto means will become clear in this special edition. Of course, you will also get information about our product innovations and a look behind the scenes of the SOMMER group of companies. In addition to notes, tricks and background knowledge about our technical developments, we will show you

what makes our group of companies strong to the core: our great team. The highest level of customer satisfaction is our first priority and that of our employees. We hope you enjoy reading our SOMMERzeitung - Special Edition.

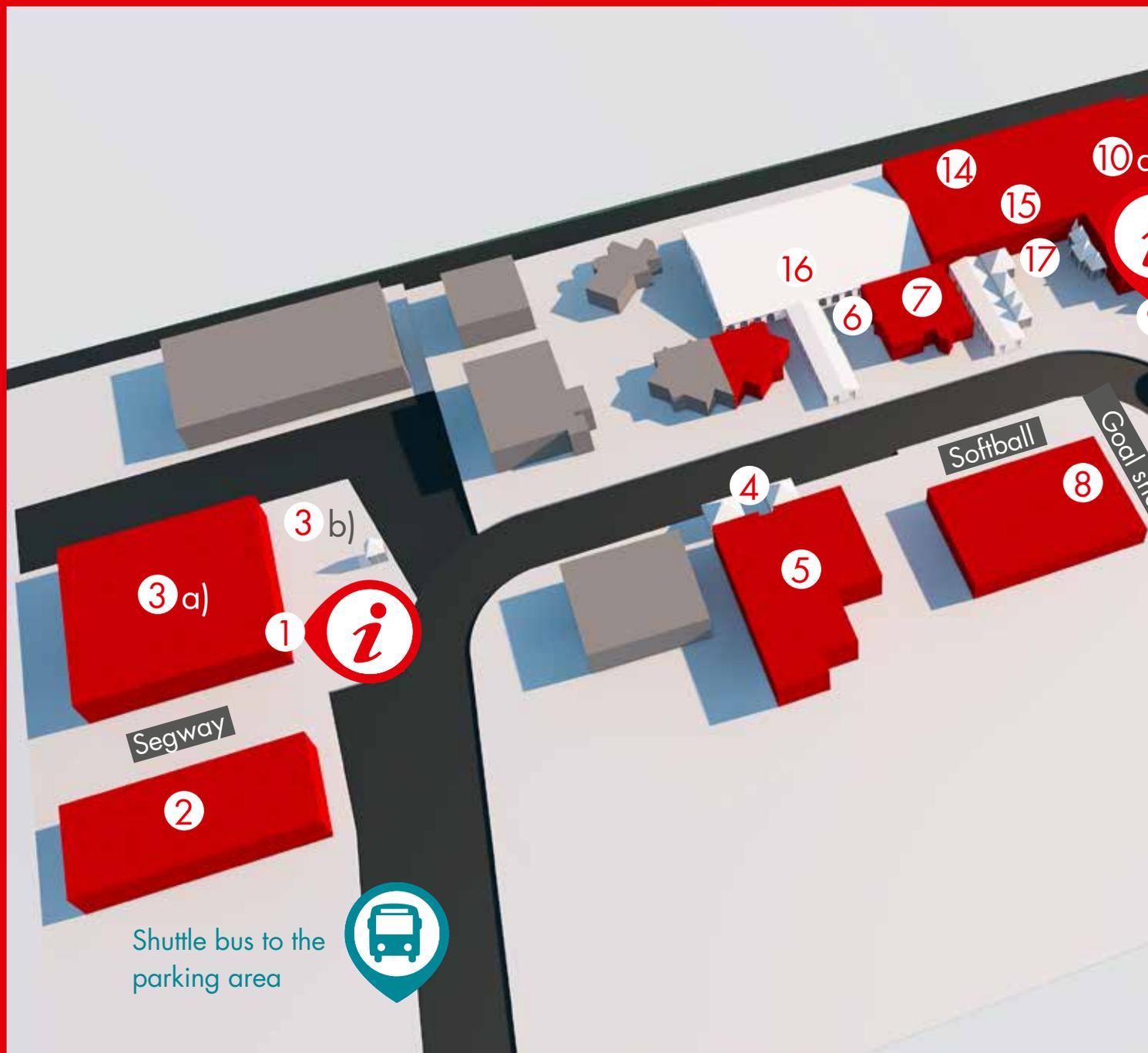
Warm regards,
Your **SOMMER** team

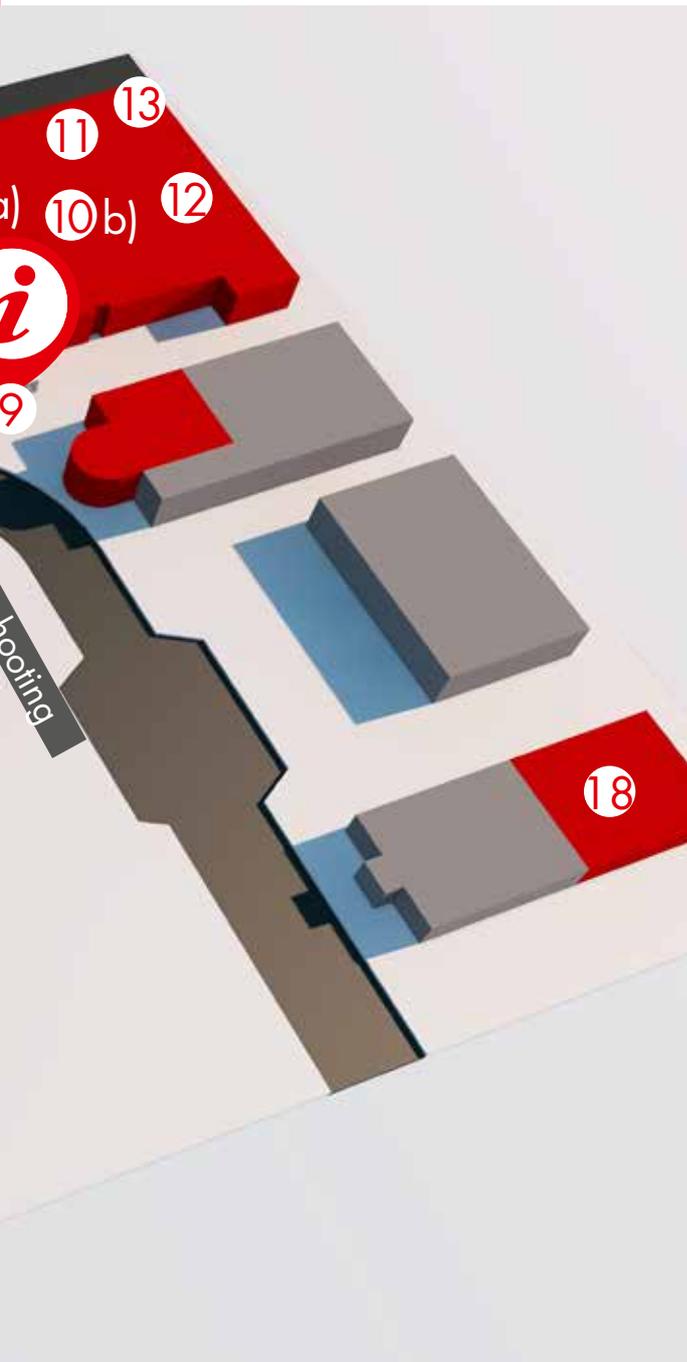
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MAP

SOMMER DAYS





- 01 Registration/Information I. ⓘ
- 02 Service center/Customer service
- 03 a) Doco industrial door systems, industrial door operators, configurator
b) Floodgate and door
- 04 Swing and sliding gate operators, barrier systems
- 05 Test centre
- 06 Childcare (basement)
- 07 Innovation center Development/PM
- 08 Doco innovations and entire range
- 09 Registration/Information II. ⓘ
- 10 a) Future training concept (ground floor)
b) Sales and marketing booth (1st floor)
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- 15 Biometric fingerprint systems (ground floor)
- 16 Apprenticeship at SOMMER/Groke
- 17 Festival tent
- 18 European Cup viewing area, catering area



SOM2016
OTION
SOMMERDAYS

SOMotion

*This year's SOMMERdays
is all about
motion and emotions.*

With the motto "SOMotion", the SOMMER Group, consisting of the brands DOCO, Groke, Aperto and, of course, SOMMER, will present their personal philosophy. The doors in Kirchheim/Teck are wide open for all SOMMER customers. Product innovations and other specialist information will all be there. In addition to sales promotions and a large exhibition area, experts such as Professor Dr. Mischa Seiter from the Institute for Technology and Process Management (University of Ulm) have agreed to give what are sure to be interesting talks. A musical program and performances will make sure that fun is had by all. In addition, all visitors will be spoiled with a wide range of food and drinks in the large beer tent and different concession stands.

In the spirit of SOMMERdays, Groke has an attractive offer, the Summer Promotion 2016. This time, six

aluminium designer doors with first-class equipment are on offer. You have the choice between the standard and premium version.

NEW IMPULSES

Stefan Wanner has been our new training manager since March 1 of this year. The communication electronics technician and graduate social education worker will enrich the company with his varied experience in the areas of e-learning and webinars. Training contents will be available for students in the form of e-learning starting next year. Webinars and trainings for customers and employees are beginning this summer. To kick off his work at our company, he will present his concept during the SOMMERdays.

Program 10.06.2016

11:00 am	Beginning of the Event
11:30 – 12:30pm (still available)	Special seminar (in German): European standards and legislation Graduate Engineer Olaf Heptner Origin, risks, future. WIB/BAS.T presentation – Safety gaps arise if standards are disregarded in the area of drive and control unit technology. How European standards originate, the drastic consequences non-compliance can have and how the future is developing will be clearly illustrated by Olaf Heptner, Managing Director of WIB (Wirtschaftsvereinigung Industrie- und Bausysteme). A wind load test in our in-house test centre will follow.
12:00 – 1:00pm	Factory tour (in English): Meeting point: Production control office Get a peek behind the scenes at SOMMER. We will show you through the building from the warehouse to the offices.
12:30 – 1:15pm (fully booked)	Wind load test (in German): Jürgen Fode We will show you how a wind load test is done in our in-house test centre.
2:45 – 3:30pm (still available)	Factory tour (in German): Meeting point: Production control office Get a peek behind the scenes at SOMMER. We will show you through the building from the warehouse to the offices.
1:00 – 2:00pm	
2:00 – 3:00pm	
4:00 – 5:00pm	
1:15 – 2:15pm (still available)	Special seminar (in English): The correct use of big data in the age of Industry 4.0 Prof. Dr. Mischa Seiter Challenges, methods and practical examples. Big data - a term often connected with an unres- trained flow of data. Professor of added value and network management, Mischa Seiter, shows how the correct use of mass data can yield huge advantages. In addition, he will give fascinating insights into the digital world of Industry 4.0.
4:00 – 5:00pm (still available)	
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from 2:00pm (Multiple repetitions)	RAL- sample installation of an aluminium entrance door: Jürgen Slickis
5:00 – 5:45pm (still available)	Wind load test (in English): Jürgen Fode We will show you how a wind load test is done in our in-house test centre.
from 6:00pm	Beginning of the Evening programm Dinner and shows

Program 11.06.2016

<p>10:00am 10:30 – 11:30am (still available)</p>	<p>Beginning of the Event Special seminar (in German): European standards and legislation Graduate Engineer Olaf Heptner Origin, risks, future. WIB/BAS.T presentation – Safety gaps arise if standards are disregarded in the area of drive and control unit technology. How European standards originate, the drastic consequences non-compliance can have and how the future is developing will be clearly illustrated by Olaf Heptner, Managing Director of WIB (Wirtschaftsvereinigung Industrie- und Bausysteme). A wind load test in our in-house test centre will follow.</p>
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<p>from 5:00pm</p>	<p>Beginning of the Evening programm Dinner and shows</p>

SOMMER pro⁺

The innovative advancement and the successor of the popular duo vision model is the new SOMMER pro⁺.

New benchmarks in flexibility and convenience are being set here. The pro⁺ features a separate control unit housing and can be installed in three different versions. It can be installed on the wall at the back end of the garage, for example on a side door or in the front area near the door opening. Installation on the ceiling is also possible, of course. You therefore have two alternatives up your sleeve for installation and can select the optimum installation area on-site based on the structural conditions. In addition, there is the advantage in that additional sockets as well as complex electrical work will no longer be an issue in the future. The flexible pro⁺ is attached where there are already existing sockets which can be used directly. In addition to all its clever improvements, the pro⁺ itself is also a smart little device. Its automated learn-in process will also make your life easier. The self-learning force curve with continuous adaptation ensures that the SOMMER pro⁺ always applies its force optimally. For example, it automatically adapts to the different requirements in summer or winter operation or actively hits the brakes when the door pulls. With the pro⁺, you have reached the next level of individual convenience. The modular system structure of the product makes it possible to expand your operator simply with the appropriate accessories. Colour-coding of the slots and exact labelling ensure safe and easy installation. So everyone is able to make their SOMMER operator into their perfect personalised operator.

FULL POWER - 1100 N OPERATOR

From CW 28, the new operators will be available in the 1100 version. With the release of the large operators such as the 1100s and the tiga, we will send the marathon series into well-deserved retirement in mid-2017.



EXAMPLES OF ADDITIONAL EQUIPMENT



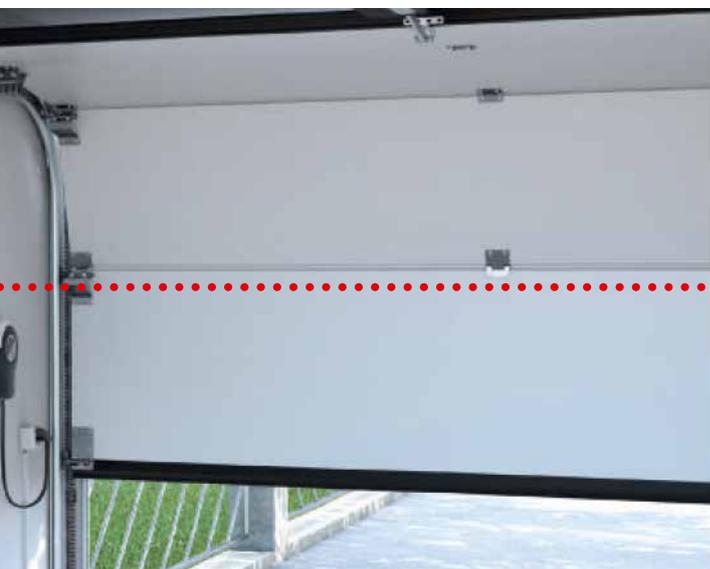
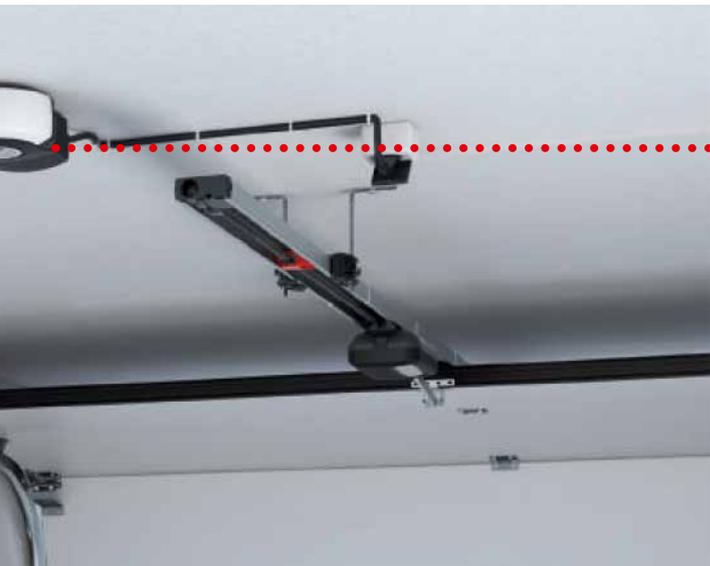
Lock



Senso



Memo



PRO+

SOMloq2

*Bi-directional radio system
for the new generation of operators*

The new SOMloq2 radio technology offers convenient additional functions and reliability with the same high level of safety thanks to the AES encryption (online banking standard). Bidirectional radio is characterized in that an answer is sent back after the transmitter sends the original signal. This enables additional functions which makes daily life more convenient, for example confirmation of receipt.



Slider+

Item no. S10305-00001

BENEFITS FROM SOMloq2:

- Maximum protection against hackers due to 128-bit AES encryption with Rollingcode.
- Radio receiver confirms received commands, an LED on the transmitter or vibrations acknowledge receipt
- Commands are forwarded by SOMloq2-compatible receivers
- Status query of the door state
- Autorepeat function



Pearl

Item no. 4018V000

Pearl Vibe

Item no. 4019V000

WHAT WORKS WITH SOMloq2

These transmitters are already equipped with SOMloq 2:

- 2-command SOMtouch radio wall button
- 3-command Pearl Status handheld transmitter
- 4-command SliderVibe handheld transmitter
- 4-command Slider+ handheld transmitter
- 200-command GIGAcorn industrial handheld transmitter
- Telecody+

The SOMloq2 transmitters are downward compatible with the Somloq Rollingcode radio system. Previous operators can also be controlled with the new transmitter.





Telecody+

*The 12-command handheld transmitter
of the next generation*

SOMloq2 handheld transmitters, such as the Telecody+, are compatible with existing SOMMER radio systems on a 868 MHz basis. Maximum safety, particularly of the handheld transmitter, due to efficient protection against digital attacks by hackers, make the Telecody+ a strong and intelligent door guard. The Telecody+ also wins points with its easy and intuitive operation. It is weather-resistant and perfectly suited for indoor and outdoor use. Furthermore, the handheld transmitter offers good orientation even in the dark, thanks to the illuminated buttons.



Telecody+

- Item no. S10212-00001
- Compatible with SOMloq2 and Somloq Rollingcode radio system
- Automatic detection of the radio system during learning-in process
- Easy operation even in the dark (illuminated keys)
- Range approx. 50m, depending on the surrounding conditions
- Frequency: FM 868.8 MHz/FM 868.95 MHz
- Battery 3 V, Type CR 123 A
- Dimensions 147 x 48 x 30 mm (incl. aluminium holder)
- Temperature range -20°C to +55°C
- 10 different access codes
- 2 unencrypted buttons e.g. for light
- Including aluminium holder and mounting material
- Weather-resistant
- Perfectly suited for indoor and outdoor use (IP 64)

NEW BARRIER ARM

Parking and blocking systems - grounded off

In the area of parking and blocking systems, our innovations have proven to be real all-rounders. Anything that has had to cope with all types of weather conditions is better armed against the elementary tensile tests. Wind and weather can sometimes be very unpleasant in these parts. The new aluminium boom ASB-5507A guarantees safety and maximum stability, from rough breezes to huge squalls. In addition, the integrated warning light in the aluminium housing ensures good visibility. Thanks

to the round design, the 5.5 m long boom only offers minor resistance to wind load. Less contact surface means less exertion of force is necessary. Instead of pressing against it with force, the new boom takes the more intelligent path and lets whipping winds slide elegantly by. The use of a support post is possible. This is recommended from a boom length of 3 m in order to ensure unlimited safety and smooth technical use. The following overview gives you information and instructions for the booms:



	Barrier arm D07	Barrier arm H10	Barrier arm H14
Version	Round	Angular	LED
Item number	S10075-00001	7605V000	7657V000
Universal mounting	Yes	Yes	Yes
Weight	5 kg	5.2 kg	5.7 kg
Length	5.5 m	6 m	5 m
Can be shortened	Up to max. 1.5 m	Up to max. 1.5 m	Up to max. 1.5 m
Support post	From 3 m	From 3 m	From 3 m
Floating support	-	From 3 m to max. 5 m	-
Maximum wind strength Acc. to Beaufort scale	10	5	6

twist AM and twist UG

Strong and stronger

Our twist AM and twist UG operators bring a lot of weight into motion. Both are designed for one- and two-leaf operation. With the twist AM for 2.5 m-wide door leaves, you can open swing gates of up to 250 kg. The twist UG rotates up to 3.5 m door leaf widths, up to 350 kg in weight and is ideal for swing gates in which the operator should not be visible. In addition, the twist UG features a sturdy stainless steel housing. Both operators are equipped with the bidirectional SOMloq2 radio system, are designed for energy-saving operation and also offer the high SOMMER safety standard thanks to the lockable,

mechanical emergency release. Additional safety is provided by connections, for example for safety contact strips, photo cells, electrical door leaf releases and 24 V warning lights. Both swing gate operators have the option of connecting a battery pack so it can ensure reliable emergency operation in the event of a power failure. Expansions are also possible and problem-free. Moreover, the SOMlink service module offers additional options for adjusting properties and parameters using the web app via smartphones or tablets.



Item no.
1-leaf # 3734V000
2-leaf # 3735V000



Item no.
1-leaf DIN left # S10603-00001
1-leaf DIN right # S10604-00001
2-leaf # S10605-00001

TIME CHANGE

On the occasion of the turn of the year in 2016, SOMMER revised its IT infrastructure and launched its new proAlpha ERP system.

One step back in order to take two steps forward: The conversion of the ERP system to a modern system in January 2016 was an important and necessary step for the SOMMER Group on the path to becoming a more modern and international group of companies with a corresponding IT infrastructure. These steps are often quite hard to make, since many processes have to be adapted and every system has to be learned. The SOMMER employees are currently taking these difficult steps with a great amount of extra effort on their part. We currently have to invest in creating a strong foundation in order to achieve the future goals of a paper-free work environment, an online customer portal, warehouse management using scanners, linking development with Solid Works, digital flows of information (internal and external), human resources and mobile evaluations of sales, planning and production. Due to the changes in IT, we have unfortunately had to fight with various delivery bottlenecks. The growth of the new generation of garage door operators has been much larger than expected and the incoming orders for industrial door operators is also growing considerably.

Measures for improving the delivery situation

- Regular checking and adjustment of all orders concerning the transgression of customer-requested delivery dates
- Outside storage of raw material in external warehouses to cope with increased product diversity in shipping (new products such as base/pro/radio/accessories/twist AM increase diversity in the product range and also the warehousing requirements.)
- Increase in raw part warehouse material to be able to react quicker
- Increase in dispo for new garage door operator generation and industrial door operators
- Additional suppliers in various areas to compensate for delivery failures on our own

Many of these measures were taken increasingly in April/May. We are confident that the measures will work quickly and that SOMMER will remain that what we have been in the past: a reliable partner in all situations.







TEST CENTRE

For SOMMER, offering the best quality is the highest priority

In the SOMMER test centre, all products must prove that they satisfy the highest quality standards. It goes without saying that the test centre itself is equipped in line with state-of-the-art standards. First-class components must be tested in line with first-class inspections and must stand the test. Only when they have shown on the test bench that they have earned the SOMMER name has the work been successful. The test products are sometimes exposed to absolutely extreme conditions during the test process. From the climatic chamber which creates temperatures between -40 and +100 °C to tests for continuous load and simulated overvoltage through lightning, all possible stresses are checked. An important monitoring body, the test centre does not enter the stage for the first time at the end of production. On the contrary, it is a constant in the entire manufacturing process which accompanies development and series production. Development, product management and quality assurance intertwine here. The individual departments are in close contact so they can coordinate with each other and the employees introduce their expertise and profit from constant exchange of knowledge. This not only creates the basis for a reliable level of quality, but also opens up room for innovation.

You would like to know what exactly is done in the test centre? The following overview gives a small glimpse:

Number of test benches/doors

- 6x sectional doors
- 9x weight & hydraulic test stands for GTA
- 8x sliding gates
- 3x 2-leaf swing gates
- 3x 1-leaf swing gates
- 3x roller doors
- 3x barriers

Other test devices, including

- Thermal imaging camera
- Three-phase current – performance measuring device
- Data logger
- Volume measurement device
- Magnet field tester
- Light intensity gauge

In "live" operation

- 1x ITA roller door
- 1x sliding gate
- 1x barrier

In addition, force measurements according to EN 12445 are made.



OUR NEW BUILDING

New production facilities

For 118 years, the Karlsruhe site has been active in metal engineering and is now undergoing a modern expansion. As Groke Türen und Tore GmbH had reached its capacity limits there, the urgently-needed construction of a new hall began in September 2015 in Hagenbach in Rhineland-Palatinate. A new building is now being built on about 4,450 m² in the Breitwiesen industrial park.

The old production facilities no longer had any room for further expansions. The production of entry doors will be the focus of production at the new site. At the moment, a completely new powder-coating system is being built. At the same time, a high-bay warehouse is being constructed at the new site. There is also a second construction phase in the planning which expands the building space to about 9,850 m².

With the various building and expansion measures, Groke wants to achieve an even greater production depth and sees various individualisation options as additional development steps. Above all, the extensive chances when it comes to sizes and equipment features of the various door varieties are currently taking centre stage. With its flexible and need-oriented production model in which almost all doors are practically made in line with customer requests, Groke is reacting to the modern conditions of competition. More room and more production depth will improve efficiency, quality and ultimately benefit the customer.



DOCO HOME

The new private door system in three different versions. The modular system with a universal track is the ideal solution for any installation situation. The versions:
 HOME-X: Private door system with tension springs,
 HOME-F: Private door system with front torsion springs,
 HOME-R: Private door system with rear torsion springs.



HOME-X



HOME-F



HOME-R

	Home-X	Home-F	Home-R
Max. door weight	130 kg	295 kg	165 kg
Max. door height	2500 mm	3000 mm	3000 mm
Max. door width	5000 mm	6000 mm	6000 mm
Minimal space requirement at side	55 mm with thermal seal	55 mm with thermal seal	85 mm with normal seal
Min. lintel space requirements during manual operation	120 mm	190 mm	120 mm
Min. space requirements during automatic operation	90 mm	190 mm	90 mm



COLOURED SPRINGS AND SHOT-PEENED SPRINGS

Since October 2015, DOCO has been colour-coding all torsion springs. The unmarked springs will be phased out step-by-step. Thanks to the colour-coding, the size of the wire diameter is immediately clear, which improves productivity and minimises handling errors. The shot-peened springs offer the benefits of a high-quality appearance as well as the simplified installation of lighter springs. In addition, they have long lifetimes and are a very cost-effective solution.

UPGRADE SFR200 SYSTEM

The successful SFR200 system has been expanded and is now opening up more options for use. The updated version is well-suited for door claddings of up to 295 kg with 6000 mm width and 3000 mm height. You can now use four springs for larger doors, instead of the usual two. Of course, the new SFR200 system complies completely with the applicable CE standards.

NEW INDUSTRIAL DOOR SYSTEM

DOCO is proud to present completely new industrial door systems:

New loading door system: DOCO is expanding its product range with a new loading door. The loading door system has been specially developed for LKW loading ramps in an industrial environment and is available as a high-lift and vertical fitting version. The CE-certified system is suited for doors of up to 150 kg with a maximum width of 3200 mm and a maximum height of 3200 mm. The option of positioning the drive shaft at a lower level greatly facilitates installation and maintenance.

Industrial door system for low lintel: An industrial door system for installation situations with low lintel height. With a single roll carrier, the lowest lintel backup in the space is 300 mm. With a double roll carrier, it is only 200 mm! This system is CE-certified system and is suited for doors of up to 350 kg with a maximum width of 6000 mm and a height of 5000 mm. A universal track set can be used for all suitable door sizes. By using integrated alignment profiles, the tracks can be aligned directly on the mounting surface. The made-to-measure track is available as a kit.



SOMMER