

ORIGINAL
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tw1000.com





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HIGHLY EFFECTIVE SINCE 1962

TW1000 PEPPER SPRAY

A professional user who has to make a decision within a fraction of a second must rely on his instinct, the agent he is using, and the people who select this agent for him. An important chain of responsibility which begins with an experienced manufacturer: HOERNECKE.


MADE IN GERMANY



BY PROFESSIONALS FOR PROFESSIONALS

HOERNECKE ensures professionals. The "Original TW1000" product line for professional use is a series of highly effective systems that are successfully used in everyday police work to fend off physical violence and to keep riots under control. TW1000 spraying systems are designed to put potential attackers out of action from a distance. They also help to prevent serious or lethal injuries and close the gap between baton and fire arm.

HOERNECKE DEFENCE TECHNOLOGY

SECURITY THROUGH QUALITY AND EXPERIENCE

With TW1000 defense devices you are on the safe side. Thanks to over 50 years of real-world application and close cooperation with the competent law enforcement agencies, the product line "Original TW1000" has evolved to optimize functionality. As one of the first manufacturers of irritant aerosols for personal self-defense, we have decades of experience that guarantee the high quality standard of our TW1000 products for personal safety. Many design details demonstrate the products' refined function, technology, and ergonomics. The device accessories are comprised of highly functional system elements.

Until today, our research efforts and certified laboratory analysis have been beneficial to the development of the presently used agents as well as to their quality control. HOERNECKE guarantees the compliance with international military and police specifications such as the German Police Technical Guideline for irritant spray devices for all classes, including required operating temperatures, as well as effectiveness and coverage. The HOERNECKE quality management system is certified according to DIN ISO 9001 and DIN ISO 14001.

SPEED AND SAFETY

LED-LIGHT: TW1000 devices can be equipped with a bright LED-light. The light is activated automatically by pushing up the safety cover. It blinds the attacker and facilitates aiming in the dark.

EXCHANGE SAFEGUARD: The TW1000 defense devices are available with exchangeable cartridges. The exchange safeguard guarantees that the cartridges are secured within the device. Nevertheless, it is still possible to replace the cartridges very quickly.

FLIP-TOP SAFETY LID: An intelligent system with spring-supported flip-top lid. When you activate the trigger button, the lid is pushed up with your thumb. The lid flips back down by itself afterwards to prevent accidental discharge.

FIRST-USE INDICATOR: The TW1000 defense devices can be equipped with a first-use indicator

showing if the cartridge is fully loaded or has already been used.

GEARKEEPER: Safe handling of your spray in every situation. The reeling mechanism can be easily attached to the spraying device.

HIGH-QUALITY SURE GRIP COATING: The TW1000 hard shell cases can be equipped with a special sure grip coating for better grip and easy handling.

STEEL BELT CLIP: Our systems are available with a sturdy steel belt clip, which can be adjusted for right- or left-handed people and is specially secured.

ALLROUND®-TECHNOLOGY: Thanks to this special technology the system is able to spray all of its content regardless of spraying angle.



LED-Light



Exchange Safeguard



Flip-Top Safety Lid



First-Use Indicator



Gearkeeper

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HOERNECKE DEFENCE TECHNOLOGY

PERSONAL SELF-DEFENSE

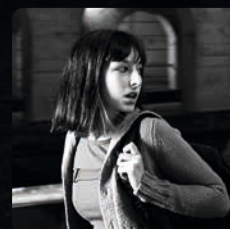
Reliably protect yourself from violence, crime, or dangerous animals with the proven TW1000 defense devices from HOERNECKE. Maximum effect with minimal risk to health and environment: This objective is optimally achieved by our TW1000 products. Therefore, authorities and security services also rely on TW1000 „Made in Germany“.

Maximum efficacy in combination with functionality and reliability are the key features of the TW1000 devices. Choose between handy defense sprays ranging from 15 ml capacity to high-performance irritant spray devices with a capacity to 400 ml. Our TW1000 product line is optimized for a variety of applications.

MAXIMUM EFFECT

Modern active agents are characterized in that they have a sudden, reliable impact and are produced in an environmentally friendly way. A complex matter that requires a great deal of practice and expertise in dealing with substances and the close co-ordination with the device. HOERNECKE influenced the trend towards pepper spray in Europe over 30 years ago and today produces highly effective spray substances based on the natural chili extract Oleoresin Capsicum (OC).

This non-toxic and environmentally-friendly substance comes from the extremely hot chili peppers *Capsicum frutescens* and from Spanish peppers *Capsicum annuum* L. It causes a complex irritation in the area of the eyes and upper respiratory organs that makes those affected unable to attack.



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VERSATILE PRODUCT RANGE

We have developed a considerable number of pepper sprays containing the natural chili-extract Oleoresin Capsicum (OC). The sprays are available with four different spray patterns. With our groundbreaking product TW1000 RSG-6, we have become a trend-setter for highly effective multi-use devices.



FOAM



CONE-SPRAY



High-quality device with replaceable cartridge, available with different spray patterns.



Number	Description	Spray Pattern	Features	Contents	
				mL	fl oz
1	TW1000 Pepper-Foam 40	Foam Stream	automatic spring-supported flip-top lid	40	1.35
2	TW1000 Pepper-Foam 63	Foam Stream	automatic spring-supported flip-top lid	63	2.13
3	TW1000 Pepper-Fog 15	Cone Spray	protective cap with clip, eyelet for key chain, key chain (optional)	15	0.51
4	TW1000 Pepper-Fog 20	Cone Spray	protective cap with clip, eyelet for key chain, key chain (optional)	20	0.68
5	TW1000 Pepper-Fog 40	Cone Spray	protective cap	40	1.35
6	TW1000 Pepper-Fog 63	Cone Spray	protective cap	63	2.13
7	TW1000 Pepper-Fog 75	Cone Spray	protective cap with metal clip	75	2.54
8	TW1000 Pepper-Fog 150	Cone Spray	protective cap with metal clip	150	5.07
9	TW1000 Pepper-Fog 400	Cone Spray	automatic spring-supported flip-top lid, first-use indicator	400	13.53
10	TW1000 RSG-6	Ballistic or Gel Stream	automatic spring-supported flip-top lid, steel belt-clip, sure-grip coating, first-use indicator, exchangeable cartridge	63	2.13

GREAT FLEXIBILITY

Consequently, we can provide, at any time, products which are currently required and approved for all ranges of application. If requested we can provide all sizes with the specific features and spray patterns you need. Accessories, as practical training sprays, first-aid sprays or holsters, complete our wide product range.



Number	Description	Spray Pattern	Features	Contents	
				mL	fl oz
11	TW1000 Pepper-Jet 20	Ballistic Stream	protective cap with clip, eyelet for key chain, key chain (optional)	20	0.68
12	TW1000 Pepper-Jet 40	Ballistic Stream	automatic spring-supported flip-top lid	40	1.35
13	TW1000 Pepper-Jet 63	Ballistic Stream	protective cap with metal clip	63	2.13
14	TW1000 Pepper-Jet 75	Ballistic Stream	automatic spring-supported flip-top lid	75	2.54
15	TW1000 Pepper-Jet 150	Ballistic Stream	automatic spring-supported flip-top lid	150	5.07
16	TW1000 Pepper-Jet 400	Ballistic Stream	automatic spring-supported flip-top lid, first-use indicator	400	13.53
17	TW1000 Pepper-Gel 50	Gel Stream	automatic spring-supported flip-top lid	50	1.69
18	TW1000 Pepper-Gel 63	Gel Stream	automatic spring-supported flip-top lid	63	2.13
19	TW1000 Pepper-Gel 100	Gel Stream	automatic spring-supported flip-top lid	100	3.38
20	TW1000 Pepper-Gel 400	Gel Stream	automatic spring-supported flip-top lid, first-use indicator	400	13.53

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Tobias Hoernecke, Technical Management - Liesa Hoernecke, Commercial Management - Thomas Hoernecke, Chief Executive Officer

TRADITION-STEPPED **FAMILY BUSINESS**

Our company was founded in 1896 by Carl Wilhelm Hoernecke (1856-1926) in Magdeburg. Under his son Carl Valentin Christoph Hoernecke (1892-1973), the company developed into a major chemical-pharmaceutical manufacturing operation.

After the second world war, political events led to the establishment of an additional location in the greater Stuttgart area. Here, in pioneering work in 1962, Peter Hoernecke discovered the possibilities of active agents filled in spray bottles. On the basis of his own research, he began to develop protective spray substances and devices for protecting people. The product line „Original TW1000“ has been on the market since then and has matured into a versatile device series meeting the individual needs of its users.

Our company is now in its fourth generation, led by Thomas Hoernecke, and is one of the leading international suppliers of irritant spray devices for self-defense and law enforcement. With the establishment of a technical plant, we now also specialize in the development and manufacture of high-quality technical devices and components. From our plants in Oberstenfeld near Stuttgart, HOERNECKE products go to all over the world.

PHILOSOPHY

Our quality policy, which results from a far-reaching concept, aims to preserve our prominent position on the European market and to live up to our reputation as a reliable partner. Our overarching goal is to ensure the protection of people with our products as safely and reliably as possible.

The company HOERNECKE has been a family company for generations. In order to continue this tradition, the production of sustainable and high-quality products is an important goal. Sustainable development means taking into account environmental considerations on an equal footing with social and economic considerations. Managing a business sustainably means leaving our children and grandchildren an intact ecological, social and economic framework.

Customer satisfaction compared to our competitors is securing the future of our company. We achieve customer satisfaction through the high quality of our products and services. The determination of the needs and expectations of our customers and their ultimate fulfillment are paramount. We also achieve customer satisfaction through adherence to delivery dates and a short reaction time to incoming information.



QUALITY MANAGEMENT

In the manufacture of our products, we are committed to complying with statutory, regulatory, and customer-specific requirements. The quality management system DIN ISO 9001, with which we have been working since 2002, contributes decisively to managing the factors influencing quality. Planning, control and monitoring of production are formalized, regularly checked for effectiveness and examined for ways to continuously improve.

Furthermore, our quality management system also provides standardized instructions for developments, environmental management, health and safety, data protection and stability tests. In our modern equipped laboratory, the possibilities of comprehensive analytics are available under one roof. With qualified trained personnel under academic guidance, the current possibilities from quality assurance to gas chromatography are used optimally.

In order to assess the realization of product quality, tests are performed in all phases of production by qualified staff, so that products which do not comply with the specified requirements can be immediately split off from the manufacturing process. This means analytical safeguarding of quality from the raw material to the finished product. Incoming and outgoing goods as well as in-process inspections are carried out, analysis certificates guarantee the highest quality and safety.

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