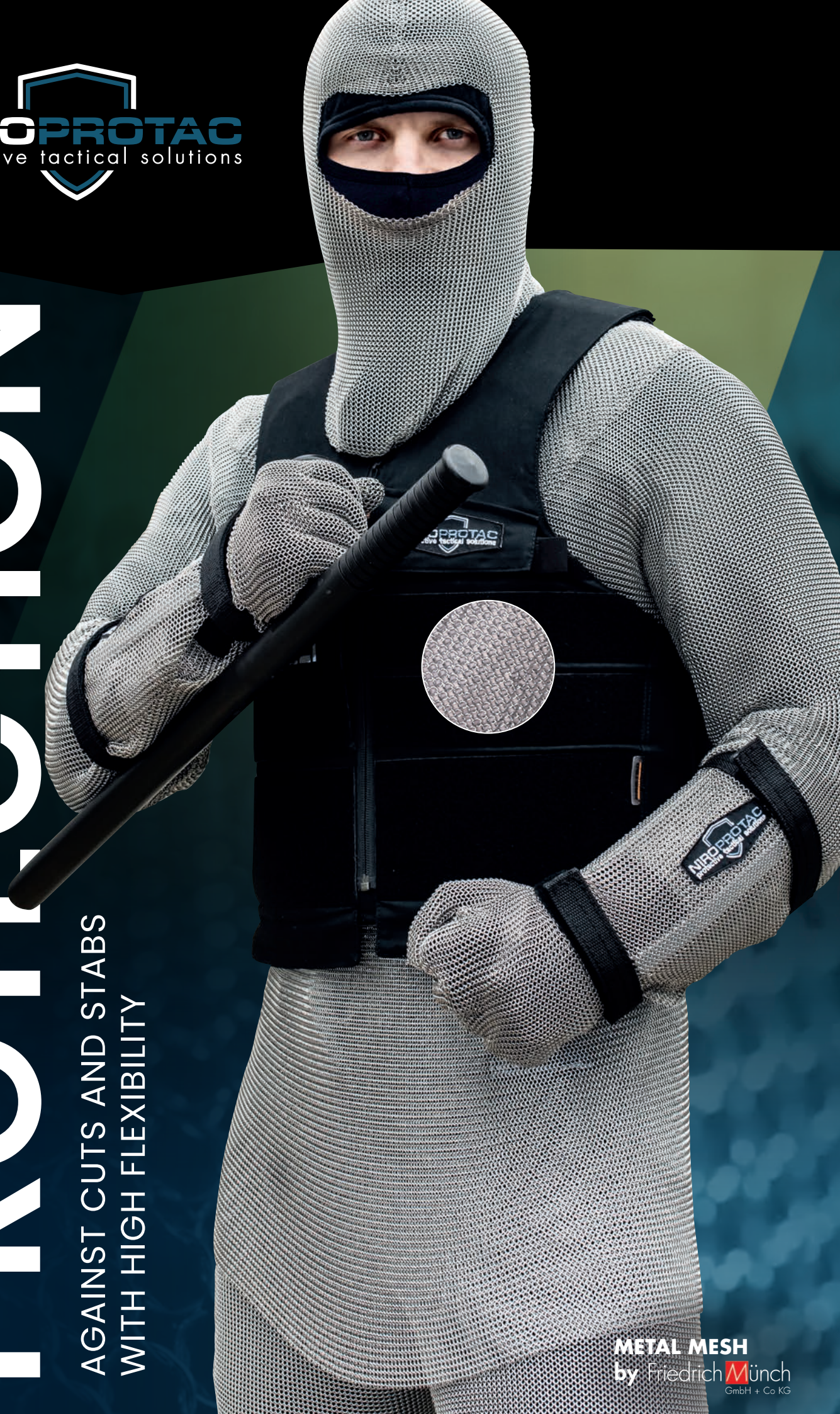


# PROTECTION

AGAINST CUTS AND STABS  
WITH HIGH FLEXIBILITY







Ring mesh  
patterns

# PROTECTION AGAINST CUT, SLASH AND STABS RISKS



# CONTENTS

## **04 NIROPROTAC® Patterns for Ballistic Protective Vests**

Custom made ring mesh NIROPROTAC® help to enhance stab and cut protection of body armours providing comfort and flexibility of movement to professionals exposed to life-threatening risks.

## **06-11 NIROPROTAC® Slash and Stab Protection Suits**

Chainmail safety suits NIROPROTAC® can avoid serious or lethal injuries caused by cuts, slashes and stabs. The main focus is to protect vital organs and vessels in the abdominal area,

## **12 NIROPROTAC® Architectural Defense Ring Mesh Structures**

Ring mesh NIROPROTAC® is an innovative and unique material providing protective as well as design effects for facade and interior of buildings.

## **14 ABOUT NIROPROTAC®**













# NIROPROTAC® PATTERNS FOR BALLISTIC PROTECTIVE VESTS

In close cooperation with our customers we develop and manufacture NIROPROTAC® stainless steel chainmail inserts for ballistic vests delivering added safety and protection against cut and punch.



Custom made ring mesh NIROPROTAC® help to enhance stab and cut protection of body armours providing comfort and flexibility of movement to professionals exposed to life-threatening risks like correctional and law enforcement officers, bodyguards, SWAT and tactical units.

## Body armour made in combination with NIROPROTAC® offers:

-  High stab safety
-  Flexibility
-  Comfort and mobility
-  Temperature resistance
-  Long-term durability and strength
-  Reliability

NIROPROTAC® stab protection inserts are made from welded stainless steel. Different designs of NIROPROTAC® can help to optimize weights of composites and support performance of ballistic body armour.

We support manufacturers by providing individual consultations though all stages of body armour development from starting point of design till production and supply.





Comfort and mobility

High stab safety

Ring mesh patterns



Temperature resistance

Flexibility



Comfort and  
mobility



High stab safety



Flexibility





# NIROPROTAC® SLASH AND STAB PROTECTION SUITS

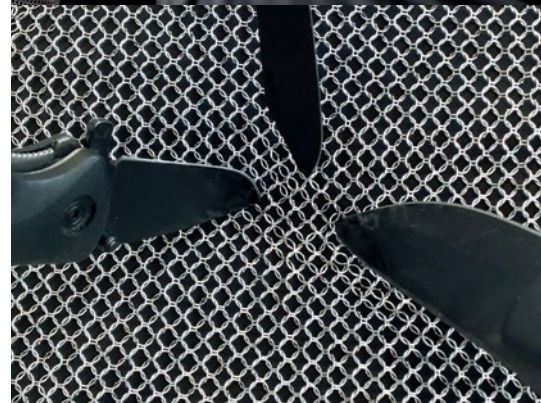
Friedrich Münch GmbH + Co KG has been developing and manufacturing stab and cut protection clothing NIROPROTAC® made of ring mesh for law enforcement officers, prison guards, first responders, special units as well as private security personnel.

Complete safety suits NIROPROTAC® made from chainmail as pants, shirts, bonnet, collar and gloves with /without grip dots.

Chainmail safety suits NIROPROTAC® can avoid serious or lethal injuries caused by cuts, slashes and stabs. The main focus is to protect vital organs and vessels in the abdominal area, genitalia, neck and under armpits.

Ring mesh NIROPROTAC® suits can be customized and ordered tailor made as well.

We provide individual consultations. Please contact our experts for technical advice directly using contact form and we will gladly support you.



The police officers of the Special Operations Command SEK (Spezialeinsatzkommando). The chain mail protects against knife attacks.  
(Photo: Stephan Rumpf)





# CHAINMAIL SAFETY SHIRTS

## NIROPROTAC® WITH EMERGENCY OPENING FOR QUICK REMOVE.

In case of injured officer the shirt can be immediately removed.

Due to emergency opening, initial first aid can be provided to the injured person. The back of the shirt is split into two parts which are connected and closed by the emergency opening system.

The wire rope connected to the red opening loop is secured at the bottom of the shirt by a safety bolt.





Opening  
loop

Wire rope





Adjustable waist



Pants front



Pants back



Chainmail glove



Disarming



Shirt





# NIROPROTAC® COMPLETE CHAINMAIL PROTECTIVE SUIT

Niroprotac® includes: gloves, shirt, bonnet and pants.  
Gloves are available in different sizes with and without grips  
Shirts are available in different sizes. Pants can be adjusted to  
different sizes. Tailor-made pants on request.

Comfortable fit



Bonnet

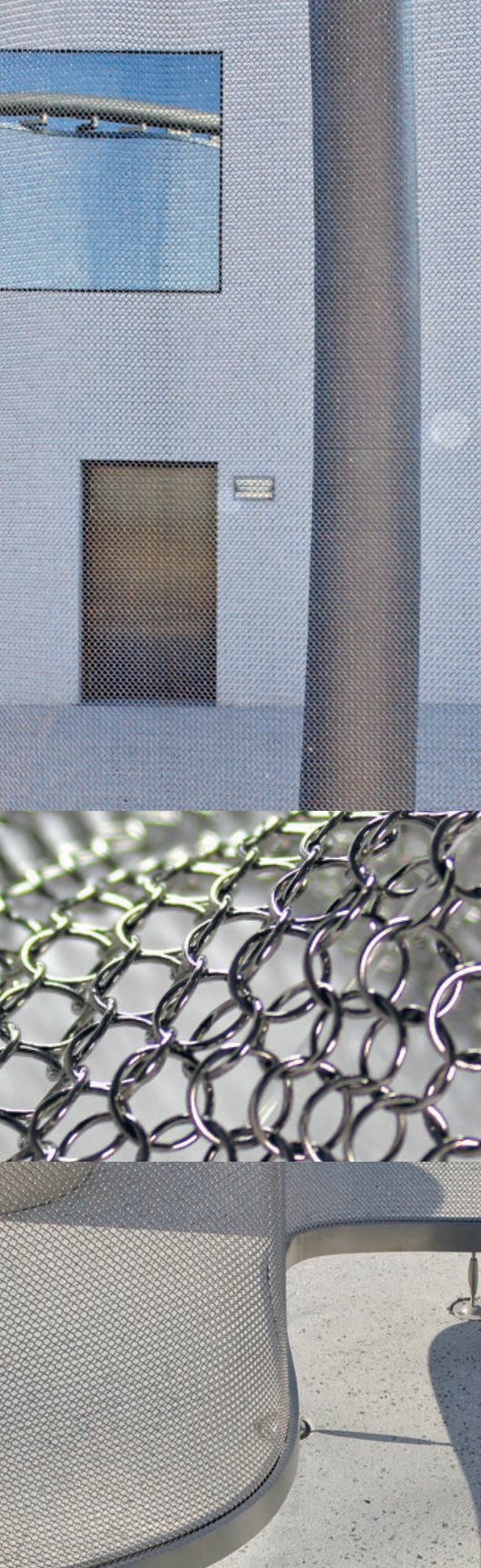


Complete chainmail suit back



Complete chainmail suit front





# **NIROPROTAC®**

# **ARCHITECTURAL**

# **RING MESH**

# **STRUCTURES**

Ring mesh NIROPROTAC® is an innovative and unique material providing protective as well as design effects for facade and interior of buildings.

Initially designed as stab protection, ring mesh NIROPROTAC® can be used as a protective barrier mitigating blast wave energy by flexible rings, covering architectural objects from view and fulfilling esthetic function.

## **NIROPROTAC® offers:**

- Threat mitigation
- Higher security
- Protective barrier
- Cover from view
- Maximum architectural esthetics

Vertical ring mesh NIROPROTAC® can enhance building security concepts as a facade element or installed separately of the building as a certain safety barrier providing additional distance.

## **Areas of application:**

Consulates and embassies; Public facilities; Educational establishments; Court facilities





Maximum  
architectural  
esthetics

Protective  
barrier







# ABOUT US

# WHAT WE STAND FOR

With experience of more than 20 years in manufacturing of cut and stab protective chainmail, Friedrich Münch GmbH + Co KG is the leading provider of technical protection solutions for defense and civil security industries operating on global markets.

The production of Friedrich Münch GmbH + Co KG is certified in accordance to ISO 9001.

For our supplies to the quality sensitive stab protection market segments, alongside with our high quality standards we consistently focus on traceability through all the production stages. The stab and cut protection ring mesh NIROPROTAC® is customized in compliance with high requirements of the prominent customers in the field of bullet-proof safety vests manufacturers, special operations units of military and police sectors.

Body armour manufactured with stab protection chainmail NIROPROTAC® comply with the performance levels of relevant standards as:

- Technische Richtlinie (TR) Ballistics Schutzwesten
- HOSDB Body Armour Standard for UK Police NIJ Standard-0115.00 Stab Resistance of
- Personal Body Armour

As a family enterprise founded more than 100 years ago, Friedrich Münch GmbH + Co KG develops and manufactures chainmail protection systems NIROPROTAC® successfully integrated in manufacturing process of body armours, cut and stab protective clothing and vertical ring mesh structures.



## FRANK GÜNTHER

- Broad experience with a solid technical background in global sales and development of new markets.
- International business experience in industrial and defense sectors.
- Cross cultural background.
- Building and maintaining of global distributors' network.
- Leading cross-functional projects

### Sales Director

Phone: +49 7041 9544-23

E-mail: [guenther@niroprotac.com](mailto:guenther@niroprotac.com)





#### **CONTACT PERSON**

Frank Günther

Phone: +49 7041 9544-23

E-mail: [guenther@niroprotac.com](mailto:guenther@niroprotac.com)

#### **NIROPROTAC®**

Friedrich Münch GmbH + Co KG

In den Waldäckern 10

D-75417 Mühlacker / Germany

Phone: +49 7041 9544-0

E-mail: [info@niroprotac.com](mailto:info@niroprotac.com)

**[www.niroprotac.com](http://www.niroprotac.com)**