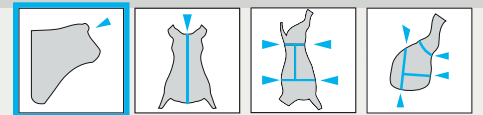


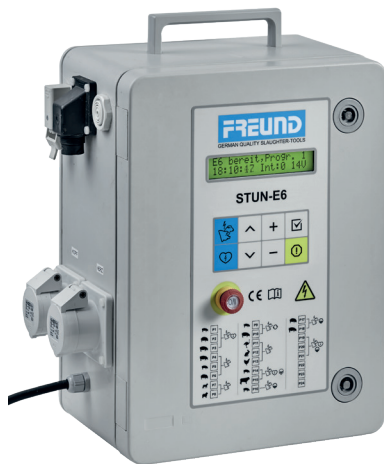
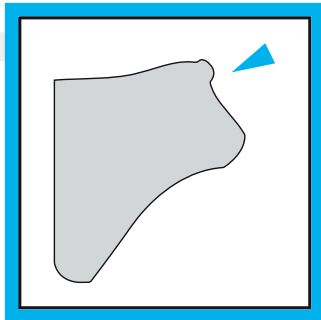
# STUNNING

## STUNNING

Electrical stunning for an efficient slaughter yield and optimum meat quality.



# STUNNING



## STUN-E6

Electronic, high-frequency, constant-current stunner with network connection

- 21 pre-installed stunning programs, individually adaptable for different species of animals as well as for head and heart stunning
- Remote programming of the parameter data sets possible via a web interface
- Access to stun data via the web interface in the browser with daily/weekly/monthly statistics
- Better meat quality with a good stun effect as a result of individual adaptation of the stun parameters
- Display of real-time data for voltage, current, programme, increase errors and holding errors

Professional stunning plays a very important role in the slaughtering process.

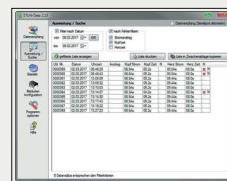
Ethical animal welfare requirements coupled with a sustainable, cost-effective procedure and optimum meat quality is what needs to be achieved.

In this regard, FREUND offers the perfect solution with an extensive product range for electrical stunning with high-frequency constant current.

Programmable stunners with a recording function for transparent documentation of the on-going process and suitable stun tongs for every animal size make an efficient slaughtering yield possible.

The FREUND service department supports the user by offering expert advice in all matters relating to the products.

## SOFTWARE & ACCESSORIES



- **STUN-DATA**  
Evaluation software for stun data, compatible with XP, Windows7, Windows10



- **STUN-EMEM01**  
External data storage for recording up to 6000 data sets for key parameters of electrical stunning in accordance with the Animal Slaughter Protection Regulation



- **DATA CABLE DIRECT RS 485**  
with connection cable to PC (serial / RS232 / USB)

## STUNNERS

TECHNICAL DATA	STUN-E6	STUN-E512	STUN-E513	STUN-E514
Dimensions H x W x D (mm)	400 x 300 x 200			
Weight (kg)	13	14	15	16
Operating voltage (V)	90-260	230/400	230/400	230/400
Protection class	IP65	IP44	IP44	IP44
Stunning current (A)	max. 2.5	1.5	max. 2.5	max. 2.5
Number of stuns	< 100 / h	< 100 / h	> 100 / h	> 100 / h



### STUN-E512 / STUN-E513

Electronic, high-frequency, constant-current stunner with data connection

- Complies with the current EU Animal Protection Slaughter Regulation
- 7 pre-installed stunning programs, individually adaptable for different species of animal
- Better meat quality with a good stun effect is possible thanks to individual adaptation of the stun parameters
- Audible buzzer for minimum stunning time
- Selectable head and heart stunning programs



### STUN-E514

Electronic high-frequency constant current stunner for continuous operation in relation to stunning animals in stun traps or stunning animals in restrainers

- Complies with the current EU Animal Protection Slaughter Regulation
- 7 pre-installed stunning programs, individually adaptable for different species of animal
- Programmable, electronic control of all stunning parameters
- Second outlet for separate heart-electrode
- Remote control outlet for pneumatic stunning

# STUNNING

## STUN TONGS



### STUN-TONG-EP TITANIUM

Electric stun tongs made of titanium for breeding sows/ sows

- Wide opening range for head and heart current flow
- Optimised ergonomics thanks to lightweight material
- Less downtime thanks to electrode quick-change system
- Angled, ergonomic handle
- Improved cable protection in the handle with wear-resistant spiral cable

#### TECHNICAL DATA

Length (mm)	940
Weight (kg)	2.8



### STUN-TONG-EP STEEL / STUN-TONG-EA STEEL

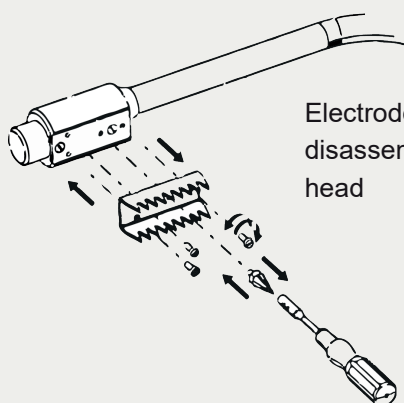
Electric stun tongs made of stainless steel for pigs/fattening pigs

- Less downtime thanks to electrode quick-change system
- Robust pivot joint
- Improved cable protection in the handle with wear-resistant spiral cable

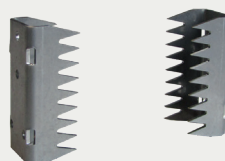
#### TECHNICAL DATA

Length (mm)	850
Weight (kg)	3.5

## ELECTRODE QUICK-CHANGE SYSTEM



Electrode change without disassembly of the tong head



**EP**  
(for pigs)

for:  
STUN TONG TITANIUM  
STUN TONG STEEL



**EA**  
(for sheep)

optional for:  
STUN TONG STEEL

# STUNNING

## STUN TONGS



### STUN-TONG-EPP2

Pneumatic stun tongs for pigs

- For stunning animals in stun traps or stunning animals in restrainers
- Electrode quick-change system
- Pneumatic drive for opening and closing

#### TECHNICAL DATA

Length (mm)	640
Weight (kg)	3.2



### STUN-TONG-EF

Electric stun fork for pigs

- For stunning animals in stun traps or stunning animals in restrainers
- Ergonomic thanks to a small, compact design

#### TECHNICAL DATA

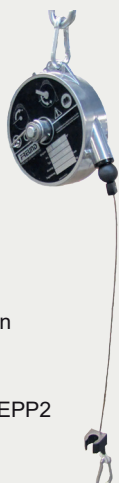
Length (mm)	510
Weight (kg)	2.3

## ACCESSORIES



- F3-1.6N balancer with 1.6 metre cable extension

optional for:  
STUN-TONG-EF



- F6-2.5SK Balancer with 2.5 meter cable extension

optional for:  
STUN-TONG-EPP2

# STUNNING

## CAPTIVE BOLT STUNNER



### Captive bolt stunner

Cylindrical captive bolt stunner with cartridges available on request

- Calibre .22" / .25"
- Ideal for fast industrial slaughter chains
- Very high bolt speed for deep unconsciousness
- Ergonomically shaped trigger for actuation with palm of hand or finger

#### TECHNICAL DATA

Weight (kg)	2.8
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### STUN-BP1

Pneumatic captive bolt stunner for cattle, calves and solipeds

- Two-hand safety switch
- Powerful one-shot stunning.
- Stunning in a manner conducive to the well-being of the animal
- Penetrating

#### TECHNICAL DATA

Weight (kg)	14.7
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# STUNNING

## TECHNICAL SERVICE

To ensure as long and productive a service life as possible for your FREUND machines, we offer you comprehensive and diligent TECHNICAL SERVICE.

Lower your operating costs via regular maintenance and repairs. With just one call, one email enquiry or via our website, you can access our network of service specialists.

Our qualified employees provide professional advice and support in a skilled, diligent, and timely manner.

Special tools and decades of industry experience allow for flawless repair work in accordance with food regulatory requirements. Only original parts and auxiliary materials approved by us are installed. Thanks to the updates that are directly accounted for in the repair process, your product always complies with the latest technological standards.

All of the information about the repair procedures is integrated into one set of documentation which is used to implement a continuous improvement process for the machine in product development. You can use this documentation to track the history of the machine and to obtain detailed information.

After repair work, you will receive a new test certificate in accordance with statutory provisions.

To ensure operational safety, we provide you with equivalent rental equipment for the duration of the repair work. Downtimes are minimised and you can produce seamlessly.

Our collection service will save you time and effort and guarantees secure packaging for the transport process.

We provide you with everything from a single source and with FREUND's technical service you're on the safe side.



We look forward to hearing from you:

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