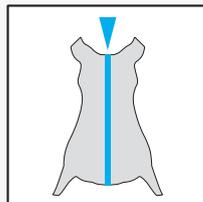
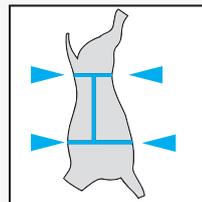


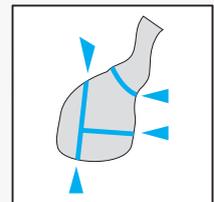
STUNNING



SLAUGHTERING



CUTTING



FINISHING

PRODUCT CATALOGUE 2020

GERMAN QUALITY FOR INDUSTRY AND SMALL ENTERPRISES



TRADITION + INNOVATION = FUTURE

As a globally operating manufacturer of tools for cutting and slaughtering, we have made it our goal to support the meat extraction process in a way that is conducive to the well-being of the animal, socially responsible and beneficial to our customers.

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

That is why we develop and produce extremely effective and stable machines for the entire process chain. From stunning and slaughtering to cutting up and refining, we ensure that our machines make your production process more efficient in a sustainable manner.

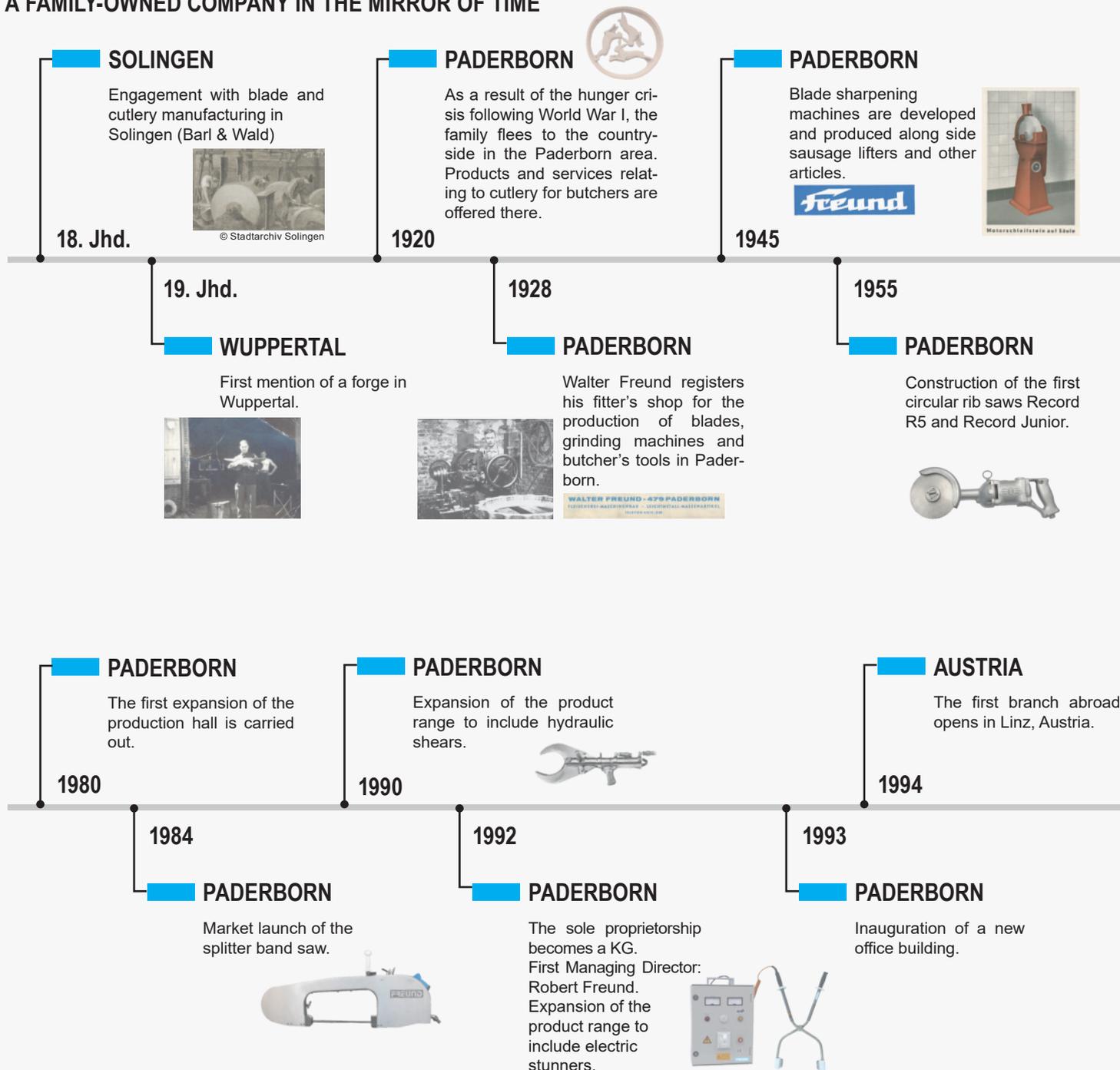
The development and improvement of our services always incorporates regular dialogue with our customers and partners in over 100 countries as well as centuries-old experience as a family-run and family-owned company.

Our FREUND in-house service department will be happy to provide you with comprehensive and expert advice and show you how you can use our services to generate the greatest benefit for your business.

Quality for industry and small enterprises.

Made in Germany.

A FAMILY-OWNED COMPANY IN THE MIRROR OF TIME





COLOGNE

Walter Freund exhibits his own products for the first time at the IFFA trade fair in Frankfurt.



1959

PADERBORN

Reinhard Freund builds a modern factory building in Schulze Delitzsch Straße in Paderborn.



1965

PADERBORN

The first jigsaw ST40-11 is produced.



1977

1962

PADERBORN

The success model, Record62, starts up, a rib saw with an electric drive.



1970

PADERBORN

The Record62 is replaced by the circular breaking saw K18-01 featuring a motor of protection class IP24 which was developed in-house. The strategy is increasingly aligned to tools for cutting and slaughtering.



1979

PADERBORN

Technology launch - the first CNC lathe enters service.



SPAIN

Founding year of present-day FREUND-Iberica in the province of Burgos.

2002



UK

FREUND-UK-Ireland launches with its base in the south of England.

2010



SULZ AM NECKAR

Acquisition of the business activities of IFOOMA GmbH International Food Machinery

2017



2000

PADERBORN

A new production hall expands production capacities.

2009

UK

Acquisition and further development of the trimmer business division.



2016

CHINA

Entry into the MAD0-Beijing joint venture to establish FREUND-MAD0.

2018

ETTLINGEN

The Karl Schermer GmbH & Co. KG becomes part of the FREUND group of companies



TRADE

TRADE / SMALL ENTERPRISES

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Droving

5



Stunning

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Breastbone

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Splitting

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Quartering

11



Cutting

12-13

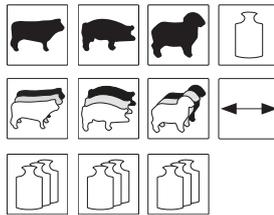
MOVIT-M

Animal drover / Droving aid



Swatter for effective droving in a manner conducive to the well-being of the animal

- Pain-free droving: no electric shocks, no sharp tips
- Sudden noise and contact trigger the instinct to flee
- Reduced risk of bleeding and dead animals
- The MOVIT-M animal drover complies with all animal welfare requirements



0.3 kg 0.7 lbs

515 mm 20 inch



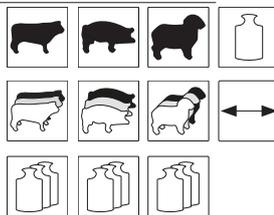
KAWE 8001

Electric animal drover



Electric animal drover for effective droving in a manner conducive to the well-being of the animal

- Electronic control, therefore no mechanical wear
- Battery-operated
- Acoustic display
- Maintenance-free electronics
- The KAWE 8001 complies with the applicable animal welfare requirements



0.2 kg

235 mm



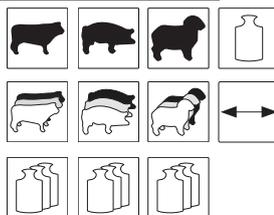
KAWE 21

Electric animal drover



Electric animal drover for effective droving in a manner conducive to the well-being of the animal

- Electronic control, therefore no mechanical wear
- Battery-operated
- Visual display
- Maintenance-free electronics
- The KAWE 21 complies with the applicable animal welfare requirements



0.4 kg

270 mm

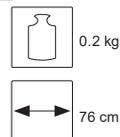


EXTENSION ROD / VERLÄNGERUNGSSTAB

Extension rod for KAWE 21 / KAWE 8001



- Increases the application range
- Easy to attach
- Compatible with KAWE 8001 and KAWE 21



0.2 kg

76 cm



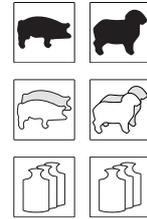
STUN-E4

Stunner (constant-current & high-frequency)



Electronic, high-frequency, constant-current stunner for up to 50 pigs or 10 sows per day

- 4 pre-installed stunning programs via USB
- LCD display with 40 characters for real time display of program number, current, voltage, frequency and stunning time
- Linear frequency ramp, without abrupt gradations
- Acoustic and visual display for errors and the end of stunning
- 6 convenient buttons for program selection and programming
- Network-compatible, Ethernet RJ45 connection
- Access to stun data with daily/weekly/monthly statistics via Windows program
- internal data memory for an additional data backup



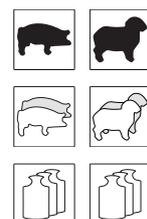
STUN-E512

Stunner (constant-current & high-frequency)



Electronic, high-frequency, constant-current stunner with data connection for up to 100 stuns per hour

- 7 pre-installed stunning programs, individually adaptable for different species of animals
- Programmable, electronic control of all stunning parameters
- Selectable head and heart stunning programs
- Improved meat quality
- Higher yield due to fewer blood spots and bone fractures
- Audible buzzer for minimum stunning time
- Visual stun error indication
- LED display for program no., volt, ampere etc,
- Integrated interface for data recording
- External data storage STUN-EMEM01 stores data for up to 6000 stuns (please order separately)



STUN-TONG-EA STEEL

Electric stun tong



Electric stun tong for sheep, lambs & goats

- Combined spike plus middle-thorn electrodes provide better skin contact and prevent slipping
- for optimised stunning & better meat quality
- Extra long spike for optimum skin contact
- Wide opening range for head and heart stunning
- Electrode quick-change system
- Stable stainless steel design ** INOX / rust-free **
- Robust pivot joint
- Non-slip handle
- Wear-resistant spiral cable SK



3.2 kg 7 lbs

STUN-TONG-EP STEEL

Electric stun tong



3.2 kg 7 lbs

Electric stun tong for pigs & fattening pigs

- Combined spike plus middle-thorn electrodes provide better skin contact and prevent slipping
- for optimised stunning & better meat quality
- Wide opening range for head and heart stunning
- Electrode quick-change system
- Stable stainless steel design ** INOX / rust-free **
- Robust pivot joint
- Non-slip handle
- Wear-resistant spiral cable SK

STUN-TONG-EP TITAN

Electric stun tong



2.6 kg 5.7 lbs

Electric stun tong for pigs, breeding sows / sows & boars

- Combined spike plus middle-thorn electrodes provide better skin contact and prevent slipping
- for optimised stunning & better meat quality
- Electrode quick-change system
- Stable titanium design
- Angled, ergonomic handle
- Robust pivot joint
- Non-slip handle
- Wear-resistant spiral cable SK

SCHERMER K SERIES

Karl Schermer captive bolt stunner of series K



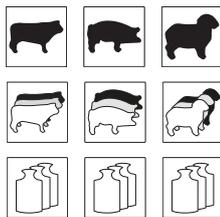
Captive bolt stunner in different designs and sizes

- High penetrating power even for high slaughter throughput
- Effective trigger safety system
- Automatic cartridge ejector
- Quick-release bayonet lock
- Low wear thanks to robust design
- Low cleaning and maintenance costs
- Easy handling
- Economical and moisture-resistant high-performance cartridges Calibre .27" 6.8 x 15 mm
- Bears a test mark from the PTB in Braunschweig



SCHERMER KS

Captive bolt stunner with automatic bolt recoil system



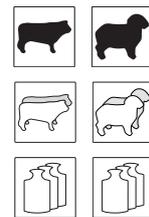
Captive bolt stunner for sheep, pigs and cattle (up to 650 kg)



- automatic bolt recoil system
- Deepest Penetrating Length: 85 mm (5 in.)
- For Animals up to 650 kg
- Safety Trigger & Stop System
- Calibre .27" 6.8 x 15 mm
- PTB tested & approved to CIP standard and CE conform

SCHERMER KC

Captive bolt stunner for blunt bullet stunning



Blunt bullet stunning of cattle, calves and sheep



- Reversible stunning
- Suitable for Halal Stunning
- Manual bolt reset
- Version with integrated rubber buffers
- In the EU allowed only for small ruminants up to 10 kg

SCHERMER KR

Captive bolt stunner with manual bolt reset system



Captive bolt stunner for pigs, cattle, sheep, and horses (up to 1000 kg)

- Highest penetrating power thanks to initially exposed bolt
- Manual Bolt-Return due to no damping elements
- Penetrating length: 85 mm (3.4 in.)
- For Animals up to 1.000 kg
- Safety Trigger & Stop System
- Head - Restraint recommended
- Calibre .27" 6.8 x 15 mm
- PTB testet & approved to CIP standard and CE conform



SCHERMER KK

Captive bolt stunner with compact design



Captive bolt stunner for cattle and sheep (up to 650 kg)

Similar to Model KR but:

- compact due to compact design
- easy handling in restricted areas and conditions of use e.g. stunning during transport on a truck or in casualty situations
- Penetrating length: 75 mm (3.0 in.)
- For Animals up to 650 kg
- Calibre .27" 6.8 x 15 mm
- PTB testet & approved to CIP standard and CE conform

SCHERMER KL

Captive bolt stunner in extended design



Captive bolt stunner, particularly suitable for large animals (over 1000 kg)

Similar to Model KR but:

- extra long bolt, deepest Penetrating Length: 125 mm (5 in.)
- effective stunning, even of extremely large animals > 1.000 kg
- Head - Restraint recommended
- Calibre .27" 6.8 x 15 mm
- PTB testet & approved to CIP standard and CE conform

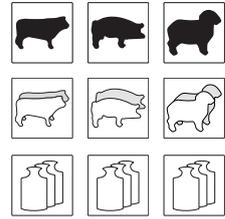
BBST30-13

Reciprocating breastbone saw



Reciprocating breastbone saw for slaughtering cattle & sows in small and medium plants

- Hacksaw blade, fine tooth, rust-free
- Spiral cable SK
- Round handle R (D type)
- Grease gun, filled



12.3 kg 27 lbs

300 mm 12 inch

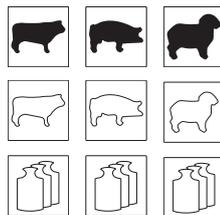
IP IP 65

Electric 3-phase

950 watts (50Hz) 1.3 hp (50Hz)

SST50-13

Reciprocating splitting saw



Reciprocating splitting saw for up to 2 cattle, 15 pigs or 50 sheep per week

- Smallest reciprocating splitting saw of its kind with a completely enclosed three-phase motor
- Low dead weight
- Saw blade made of rust-free steel STFZ 500 mm
- Spiral cable SK
- Round handle R (D type)
- Gun with special grease

11.5 kg 25 lbs

500 mm 20 inch

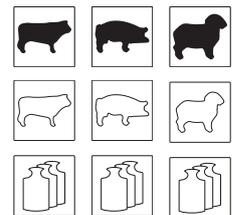
IP IP 65

Electric, 3-phase

950 watts (50Hz) 1.3 hp (50Hz)

SH60-03

Reciprocating splitter saw



Reciprocating splitter saw for halving up to 100 pigs or 20 cattle per week

- Hacksaw blade, coarse tooth, rust-free HUGZ600SP
- Spiral cable SK
- Round handle R (D type)
- Direct connection to contactor/transformer
- Water connection with spiral hose for cooling and rinsing the cutting surface
- including grease gun

21.6 kg 47.6 lbs

600 mm 23 1/2 inch

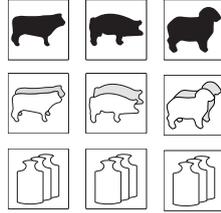
IP IP 65

Electric, 3-phase

1300 watts (50Hz) 1.8 hp (50Hz)

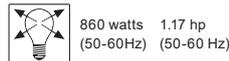
ST30-11S

Quartering jigsaw



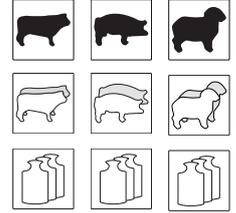
Quartering jigsaw for general cutting work

- Jigsaw blade, fine tooth STFZ
- Spiral cable SK
- Round handle R (D type)
- Low-vibration operation thanks to the counterweights installed
- High-speed (S) saw for daily use



ST40-11S

Quartering jigsaw



Circular breaking saw for general cutting work in medium plants

- Jigsaw blade, fine tooth STFZ
- Spiral cable SK
- Round handle R (D type)
- Low-vibration operation thanks to the counterweights installed
- High-speed (S) saw for daily use



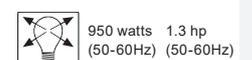
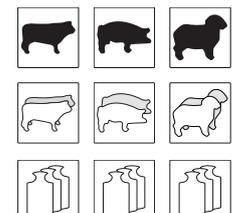
ST40-13

Quartering jigsaw



Quartering jigsaw for general cutting work

- Smallest machine of its kind with a completely enclosed three-phase motor
- Jigsaw blade, fine tooth STFZ
- Spiral cable SK
- Round handle R (D type)
- Low-vibration operation thanks to the counterweights installed



K23-06

Circular breaking saw



Circular breaking saw for general cutting work

- One-hand adjustable depth control
- Mechanical motor brake MMB
- Saw blade stop within 3 seconds after switch-off (EU standard)
- Circular saw blade, coarse tooth, rust-free KGZ
- Round handle R (D type)
- Spiral cable SK



19 kg 42 lbs



230 mm 9 inch



15-75 mm 1/2-3 inch



IP 65



Electric 3-phase



1800 watts 2.4 hp (50Hz) (50Hz)

K18-01

Circular breaking saw



Circular breaking saw for general cutting work in medium plants

- Integrated electronic motor brake, standstill in less than 3 seconds
- One-hand adjustable depth control
- Round handle R (D type)
- Spiral cable SK



6.3 kg 14 lbs



180 mm 7 inch



15 - 65 mm 1/2 - 2 inch



IP 24



Electric 1-phase



1050 watts 1.4 hp (50-60Hz) (50-60Hz)

K23-03

Circular breaking saw



Circular breaking saw for general cutting work in medium plants

- One-hand adjustable depth control 15-75 mm
- Mechanical motor brake MMB
- Saw blade stop within 3 seconds after switch-off (EU standard)
- Circular saw blade, coarse tooth, rust-free KGZ
- Spiral cable SK
- Round handle R (D type)



14.5 kg 32 lbs



230 mm 9 inch



15-75 mm 1/2 - 3 inch



IP 65



Electric 3-phase



1300 watts 1.8 hp (50-60Hz) (50-60Hz)

TBS28FT

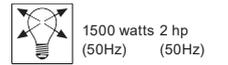
Table band saw with fixed table



Designed for cutting and portioning meat with or without bones and other food of any kind in a fresh or frozen state

- Stable machine housing
- With fixed table
- Manual blade tension
- Quiet operation
- Stable, folding table design for easy cleaning
- Removable push plate
- Removable portioning fence

Available as version TBS28FT with fixed table and version TBS28ST with sliding table



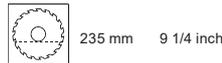
TBS19KT

Table band saw with fixed table



Designed for cutting and portioning meat with or without bones and other food of any kind in a fresh or frozen state

- Stable machine housing
- With fixed table
- Manual blade tension
- Quiet operation
- Perfect cutting result
- Stable, folding table design for easy cleaning
- Push plate
- Removable portioning fence
- Moveable trolley mobile available as an option



ZKM25-13PC

Circular cutting knife – Tabletop version



Designed for cutting poultry (chicken, fowl, turkey), small game and small pieces of pig, sheep and calf.

- Optimum ergonomics thanks to open work area on both sides
- Space-saving design with motor above the working area
- Stable bevel gear with lasting durability for the circular breaking saw
- Safety devices and hygiene standard according to CE standard
- Completely enclosed three-phase motor (IP 65)
- GS-certified: EC type examination as per German Product Safety Act



INDUSTRY

INDUSTRY / INDUSTRIE

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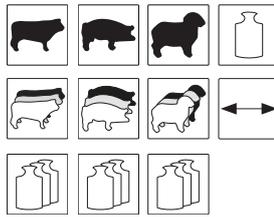
MOVIT-M

Animal drover / Droving aid



Swatter for effective droving in a manner conducive to the well-being of the animal

- Pain-free droving: no electric shocks, no sharp tips
- Sudden noise and contact trigger the instinct to flee
- Reduced risk of bleeding and dead animals
- The MOVIT-M animal drover complies with all animal welfare requirements



0.3 kg 0.7 lbs



515 mm 20 inch



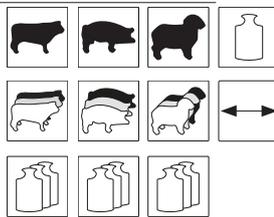
KAWE 8001

Electric animal drover



Electric animal drover for effective droving in a manner conducive to the well-being of the animal

- Electronic control, therefore no mechanical wear
- Battery-operated
- Acoustic display
- Maintenance-free electronics
- The KAWE 8001 complies with the applicable animal welfare requirements



0.2 kg



235 mm



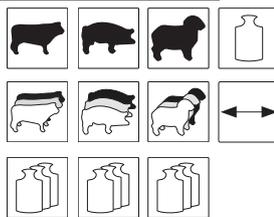
KAWE 21

Electric animal drover



Electric animal drover for effective droving in a manner conducive to the well-being of the animal

- Electronic control, therefore no mechanical wear
- Battery-operated
- Acoustic display
- Maintenance-free electronics
- The KAWE 21 complies with all animal welfare requirements



0.4 kg



270 mm



KAWE EXTENSION ROD / VERLÄNGERUNGSSTAB

Extension rod for KAWE 21 / KAWE 8001



- Increases the application range
- Easy to attach
- Compatible with KAWE 8001 and KAWE 21



0.2 kg



76 cm



STUN-E512

Stunner (constant-current & high-frequency)



Electronic, high-frequency, constant-current stunner with data connection for up to 100 stuns per hour

- 8 pre-installed stunning programs, individually adaptable for different species of animals
- Programmable, electronic control of all stunning parameters
- Selectable head and heart stunning programs
- Better meat quality and higher yield due to fewer blood spots and bone fractures
- Audible buzzer for minimum stunning time (adjustable)
- Visual stun error indication
- LED display for program no., volt, ampere etc,
- Integrated interface for data recording
- External data storage STUN-EMEM01 stores data for up to 6000 stuns (not included in the scope of delivery)



14 kg 29 lbs



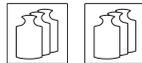
IP 44



Electric 1-phase

STUN-E513

Stunner (constant-current & high-frequency)



15 kg 33 lbs



IP 44



Electric 1-phase

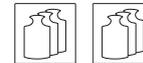
Programmable, electronic stunner for continuous operation (latch or restrainer)

Additional to all identical features of STUN-E512:

- More powerful transformer (2.5 A)

STUN-E514

Stunner (constant-current & high-frequency)



16 kg 33 lbs



IP 44



Electric 1-phase

Electronic stunner for continuous operation (latch or restrainer)

Additional to all identical features of STUN-E512:

- LCD display for program, volt, ampere etc.
- 6 buttons for program selection and programming (password-protected)
- More powerful transformer (2.5 A)
- Second outlet for separate heart-electrode
- Remote control outlet for pneumatic stun tong

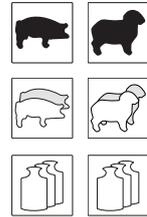
STUN-E6

Stunner (constant-current & high-frequency)



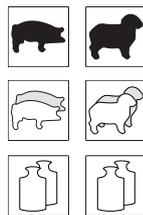
Electronic, high-frequency, constant-current, (cloud-enabled) stunner for up to 100 stuns per hour

- 8 pre-installed stunning programs, individually adaptable
- Can be extended to up to 24 stunning programs
- LCD display with 40 characters for real time display of program number, current, voltage, frequency and stunning time
- Linear frequency ramp, without abrupt gradations
- Acoustic and visual display for errors and the end of stunning
- 6 convenient buttons for program selection and programming
- Network-compatible (Ethernet RJ45)
- Second outlet for separate heart-electrode
- Remote programming of the parameter data sets possible via a web interface
- Access to stun data via the web interface with daily/weekly/monthly statistics
- internal data memory for an additional data backup



STUN-E4

Stunner (constant-current & high-frequency)

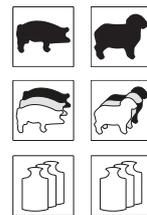


Electronic, high-frequency, constant-current stunner for up to 50 pigs or 10 sows per day

- 4 pre-installed stunning programs
- LCD display with 40 characters for real time display of program number, current, voltage, frequency and stunning time
- Linear frequency ramp, without abrupt gradations
- Acoustic and visual display for errors and the end of stunning
- 6 convenient buttons for program selection and programming
- Network-compatible, Ethernet RJ45
- Access to stun data with daily/weekly/monthly statistics via Web-Interface

STUN-E8

Stunner (constant-current & high-frequency)



Electronic, high-frequency, constant-current, (cloud-enabled) stunner for up to 720 stuns per hour

In addition to the otherwise identical technical features of the STUN-E6:

- Remote control outlet for pneumatic stun tong and pneumatic heart electrode
- Stunning data coupling of two stunners via master/slave control (all data of one stunning procedure in one diagram)

STUN-TONG-EP STEEL

Electric stun tong



Electric stun tong for pigs & fattening pigs

- Combined spike plus middle-thorn electrodes provide better skin contact and prevent slipping
- for optimised stunning & better meat quality
- Electrode quick-change system
- Stable stainless steel design
** INOX / rust-free **
- Robust pivot joint
- Wide opening range for head and heart stunning
- Non-slip handle
- Wear-resistant spiral cable SK



3.2 kg 7 lbs

STUN-TONG-EA STEEL

Electric stun tong



3.2 kg 7 lbs

Electric stun tong for sheep, lambs & goats

- Extra long spike for optimum skin contact and resistance also through wool
- Combined spike plus middle-thorn electrodes provide better skin contact and prevent slipping
- for optimised stunning & better meat quality
- Electrode quick-change system
- Stable stainless steel design ** INOX / rust-free **
- Robust pivot joint
- Wide opening range for head and heart stunning
- Non-slip handle
- Wear-resistant spiral cable SK

STUN-TONG-EP TITAN

Electric stun tong



2.6 kg 5.7 lbs

Electric stun tong for pigs, breeding sows / sows & boars

- Combined spike plus middle-thorn electrodes provide better skin contact and prevent slipping
- for optimised stunning & better meat quality
- Electrode quick-change system
- Stable titanium design
- Robust pivot joint
- Angled, ergonomic, non-slip handles
- Wear-resistant spiral cable SK

STUN-TONG-EF

Electric stun fork



Electric stun fork for pigs

- Can be integrated for stunning animals in stun traps or stunning animals in restrainers
- Ergonomic thanks to a small, compact design



2.5 kg 5.5 lbs

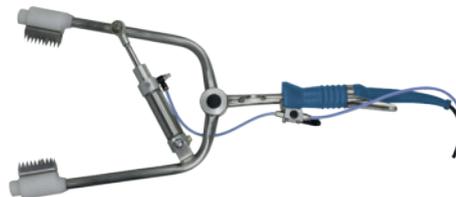
STUN-TONG-EPP2

Electric stun tong



Electric stun tong, pneumatic

- Can be integrated for stunning animals in stun traps or stunning animals in restrainers
- Electrode quick-change system
- Significant relief for the user thanks to the pneumatic drive for opening and closing



3.2 kg 7 lbs

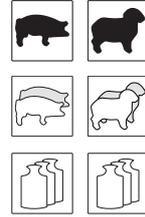
SCHERMER EC-2-1

Stunner (constant-current & high-frequency)



Electronic, high-frequency, constant-current stunner for small to medium slaughter volumes

- Monitoring of animal welfare relevant stunning parameters - current strength and minimum stunning time
- With integrated voltmeter and ammeter
- An acoustic signal signals deviations from the stunning process required according to the Animal Slaughter Protection Regulation
- Flashing lamp on the top of the housing indicates that the end of the minimum stunning time has been reached



SCHERMER EC-2-KT

Stunner (constant-current & high-frequency)



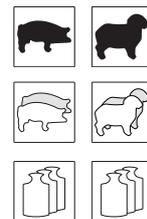
Electronic, high-frequency, constant-current stunner for stunning small animals (ducks, geese, turkeys)



- Suitable for small animals up to 35 kg, slaughter throughput of 120 animals per day
- Monitoring of animal welfare relevant stunning parameters - current strength and minimum stunning time
- EMERGENCY STOP button for rapid deactivation
- With integrated voltmeter and ammeter
- Acoustic and visual signal indicates that the end of the minimum stunning time has been reached

SCHERMER LOGGER

Logging device for stunning parameters



Logging device for recording the stunning parameters

- Record and display for stunning current, stunning voltage, frequency, batch size and "good/bad indication"
- Visual and acoustic display if limits are not reached
- Easy operation, as all required programs are installed on the USB stick
- No need for installation on a PC
- Stunning parameters are stored on a USB stick

SCHERMER ZA-1

Electric stun tong



Electric stun tong for sheep and pigs (up to 180 kg)

- Aluminium side piece with plastic handles
- Switchless operation
- Electrode quick-change system
- Stable stainless steel design ** INOX / rust-free **
- Robust pivot joint
- Wide opening range for head and heart stunning
- Non-slip handle
- Wear-resistant spiral cable SK



2.8 kg 6 lbs

SCHERMER Z-KT

Electric stun tong for use with Schermer EC-2-KT



Electric stun tong with buttons and connectors especially for small animal facilities (ducks, geese, turkeys)



3.1 kg 6.6 lbs

- Small animal electrodes with inclined interlinking
- Designed for head attachment with head-to-body electrical stunning
- Stable aluminium design
- Robust pivot joint
- Non-slip handle

SCHERMER GP-1

Electric stun fork



6.1 kg 13.4 lbs

Pneumatically actuated stun fork for stunning animals in stun traps, pneumatic

- Can be combined with pneumatically actuated heart electrodes

STUN-CHECK-E601

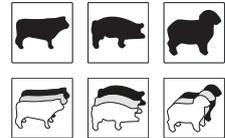
Test device for electric stunner

The AUTOMATIC test sequence provides an unequivocal result thanks to the red or green display of the three parameters and the overall result

- Thanks to the objective and unequivocal measurement result, there is no need for the interpretation of the subjective results of conventional test devices
- Suitable for testing electric stunning equipment for pigs, cattle and sheep

6 changeable test programs:

- P1 = 0.8 ampere
 - P2 = 1.0 A (sheep)
 - P3 = 1.3 A (pigs)
 - P4 = 1.5 ampere
 - P5 = 2.0 ampere
 - P6 = 2.5 A (cattle)
- All relevant parameters are tested within a few seconds in accordance with the Animal Slaughter Protection Regulation



STIM-E512

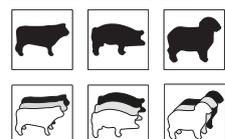
Electronic stimulation device

Fully programmable stimulation device for medium and high throughput plants

- Better draining of blood
- Accelerated pH value drop and therefore faster onset of 'rigor mortis'
- Increased yield due to lower weight loss
- Nose clamp & overhead track connection with 10-meter cable

Benefits of low voltage stimulation (<50 Volt):

- Is not harmful to humans
- Tender meat
- Better colour, better aroma
- Shortened maturation period, longer shelf life



STUN-E-INSPECTION

Inspection package for electric stunners of all manufacturers



Including replacement device STUN-E512 for the duration of the inspection

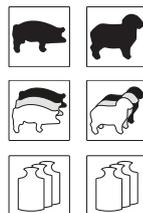
Testing in accordance with the applicable Animal Slaughter Protection Regulation, operational safety regulations and accident prevention regulations

1. You give us a call (+49 5251 1659-0)
2. We send you a replacement device from the latest generation (only for premium package)
3. You send us your device with the tong and we check that it complies with regulations
4. If the device is compliant, we issue a test sticker and a test certificate
5. If necessary, we put together a cost estimate for the repair work
6. You get your device back and we collect the replacement device (only premium package)



DATENKABEL / DATA CABLE RS-485

Data recording cable

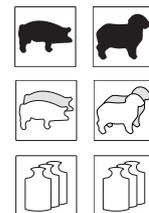


Scope of delivery:

- Connection cable to PC (serial / RS232)
- Adapter cable (serial to USB)

STUN-EMEM01

External data storage



Recording of up to 6000 data sets for key parameters of electrical stunning in accordance with the Animal Slaughter Protection Regulation 1099/2009

- Minimum stun time (4 s) maintained at minimum current in ampere-seconds (separately for head and heart)?
- Error Yes/No for each parameter
- Data output on PC or printer (using STUN data software, see accessories)
- Connection to commercially available RS232/USB interface
- Recording obligation in the EU as of 01/01/2013

SCHERMER K SERIES

Karl Schermer captive bolt stunner of series K



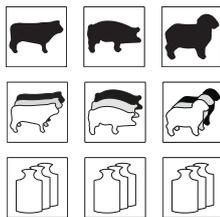
Captive bolt stunner in different designs and sizes

- High penetrating power even for high slaughter throughput
- Effective trigger safety system
- Automatic cartridge ejector
- Quick-release bayonet lock
- Low wear thanks to robust design
- Low cleaning and maintenance costs
- Easy handling
- Economical and moisture-resistant high-performance cartridges Calibre .27" 6.8 x 15 mm
- Bears a test mark from the PTB in Braunschweig



SCHERMER KS

Captive bolt stunner with automatic bolt recoil system



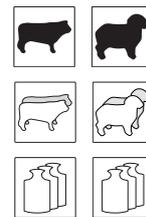
Captive bolt stunner for sheep, pigs and cattle (up to 650 kg)



- automatic bolt recoil system
- Deepest Penetrating Length: 85 mm (5 in.)
- For Animals up to 650 kg
- Safety Trigger & Stop System
- Calibre .27" 6.8 x 15 mm
- PTB tested & approved to CIP standard and CE conform

SCHERMER KC

Captive bolt stunner for blunt bullet stunning



Blunt bullet stunning of cattle, calves and sheep



- Reversible stunning
- Suitable for Halal Stunning
- Manual bolt reset
- Version with integrated rubber buffers
- In the EU allowed only for small ruminants up to 10 kg

SCHERMER KR

Captive bolt stunner with manual bolt reset system



Captive bolt stunner for pigs, cattle, sheep, and horses (up to 1000 kg)

- Highest penetrating power thanks to initially exposed bolt
- Manual Bolt-Return due to no damping elements
- Penetrating length: 85 mm (3.4 in.)
- For Animals up to 1.000 kg
- Safety Trigger & Stop System
- Head - Restraint recommended
- Calibre .27" 6.8 x 15 mm
- PTB testet & approved to CIP standard and CE conform



3.1 kg 6.8 lbs

SCHERMER KK

Captive bolt stunner with compact design



2.9 kg 6.4 lbs

Captive bolt stunner for cattle and sheep (up to 650 kg)

Similar to Model KR but:

- compact due to compact design
- easy handling in restricted areas and conditions of use e.g. stunning during transport on a truck or in casualty situations
- Penetrating length: 75 mm (3.0 in.)
- For Animals up to 650 kg
- Calibre .27" 6.8 x 15 mm
- PTB testet & approved to CIP standard and CE conform

SCHERMER KL

Captive bolt stunner in extended design



3.3 kg 7.3 lbs

Captive bolt stunner, particularly suitable for large animals (over 1000 kg)

Similar to Model KR but:

- extra long bolt, deepest Penetrating Length: 125 mm (5 in.)
- effective stunning, even of extremely large animals > 1.000 kg
- Head - Restraint recommended
- Calibre .27" 6.8 x 15 mm
- PTB testet & approved to CIP standard and CE conform

EBH

Sticking knife

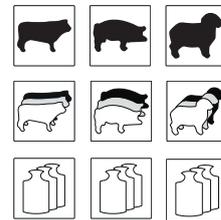


Sticking knife for hygienic blood extraction

- Blade and blade holder can be easily exchanged
- Cost-effective, modular design

optional:

- with supply line for anticoagulant

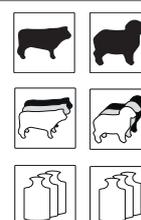


Weasand Clip

Weasand clip (oesophagus seal)



- Secure and straightforward sealing of the oesophagus prevents contamination by any stomach content being discharged
- Available in two different sizes
- Easy to use even when the oesophagus is full or damaged
- Secure seating: no slipping out of place, no leakage, no premature release
- Bio-degradable plastic (FDA approved)
- Affordable, graduated price scale



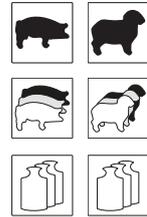
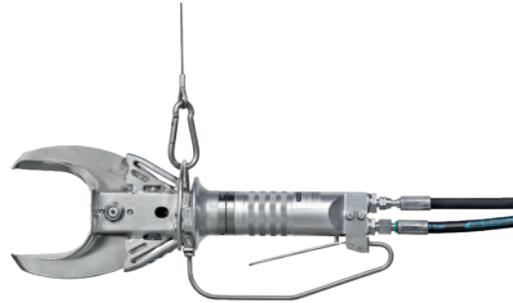
FNS9

Foot shear



Foot shear for removing sheep legs

- Practical thanks to smaller handle diameter
- Suitable for smaller hands
- Perfect force distribution
- Excellent cut



	3,9 kg	8,6 lbs
	90 mm	3 1/2 inch
	6 bar	87 psi
	180 bar	2600 psi
	pneumatic/ hydraulic	

FS6

Foot shear



Foot shear for removing sheep legs

- Practical thanks to smaller handle diameter
- Suitable for smaller hands
- Perfect force distribution
- Excellent cut



	3,9 kg	8,5 lbs
	65 mm	2,5 inch
	4 bar	58 psi
	100 bar	1450 psi
	pneumatic/ hydraulic	

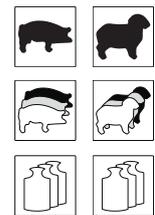
FNS9P

Foot and neck shear with pistol handle



Foot and neck shear for pigs and sheep in high throughput plants

- For severing the head joint and removing the feet of halved pigs and sows by an operator
- Suitable for smaller hands
- Reduces wrist ailments as the head joint no longer needs to be severed with a hand knife
- Pistol handle
- Also suitable for cutting the front feet of sows
- Perfect force distribution
- Excellent cut



	3,9 kg	8,6 lbs
	90 mm	3 1/2 inch
	6,5 bar	94 psi
	180 bar	2600 psi
	pneumatic/ hydraulic	

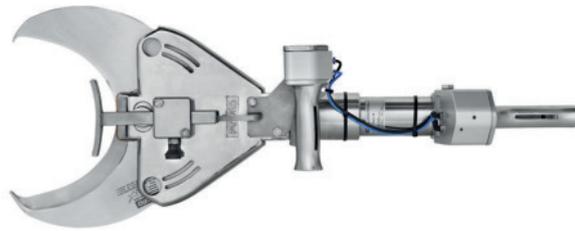
NS21

Neck shear



Hydraulic neck shear for pigs in high throughput plants

- Adjustable handle for better ergonomics
- Two-hand safety switch
- Excellent force distribution



23 kg 51 lbs



210 mm 8 1/2 inch



6 bar 87 psi



110 bar 1600 psi



electric/
hydraulic

NS26

Neck shear



Hydraulic neck shear for removing the neck of sows & boars in high throughput plants

- Adjustable handle for better ergonomics
- Two-hand safety switch
- Excellent force distribution



27 kg 59 lbs



265 mm 10 1/2 inch



6 bar 87 psi



110 bar 1600 psi



electric/
hydraulic

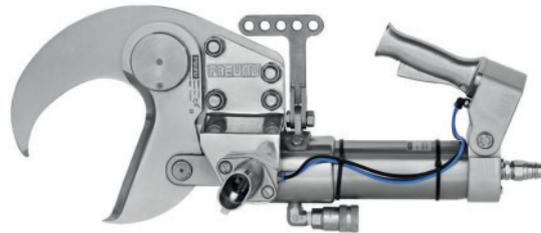
HLS12

Horn and leg shear



Horn and leg shear for industrial slaughter chains for cattle

- With one fixed and one moveable blade respectively
- Adjustable handle for better ergonomics
- Two-hand safety switch



27 kg 60 lbs



120 mm 4 1/2 inch



3-8 bar 44-120 psi



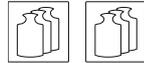
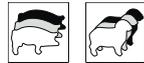
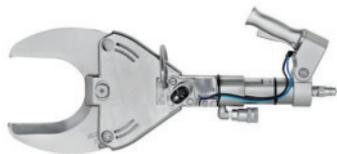
180 bar 2600 psi



electric/
hydraulic

LS15

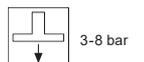
Leg shear



21,6 kg 47,6 lbs



150 mm 6 inch



3-8 bar 44-120 psi



180 bar 2600 psi



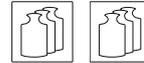
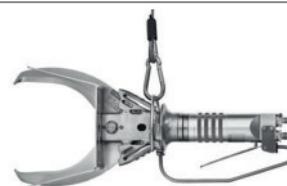
electric/
hydraulic

Hydraulic leg shear for cattle and pigs in high throughput plants

- With two movable blades
- Two-hand safety switch
- Adjustable handles for better ergonomics

HDS15

Head dropper and general cutting shear



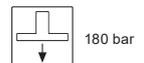
5,8 kg 12,8 lbs



150 mm 6 inch



6 bar 87 psi



180 bar 2600 psi



electric/
hydraulic

Hydraulic shear for high throughput plants:

- General cutting up of pigs and sows
- Severing of complete sheep and goat heads
- Single-hand operation

HBK28-06

Circular horn and leg saw



Circular horn and leg saw for cattle in medium plants

- Mechanical motor brake MMB
- Two-hand safety switch



21 kg 46 lbs



280 mm 11 inch



100 mm 4 inch



IP 65



Electric 3-phase



1800 Watt 2,4 hp (50Hz) (50Hz)

HBK33-08

Circular horn and leg saw



Circular horn and leg saw for cattle in high throughput plants

- Two-hand safety switch
- With smooth cable GK



31 kg 68 lbs



330 mm 13 inch



105 mm 4 inch



IP 65



Electric 3-phase



2300 Watt 3,1 hp (50Hz) (50Hz)

SD11

Dehider



Pneumatic dehider with starshaped blades

- Efficient, clean and safe dehiding – avoids incisions, notches or holes
- Durable and low-maintenance



1,4 kg 3 lbs



110 mm 4 1/2 inch



3,5 bar 50 psi 370 l/min



410 Watt 0,55 hp



pneumatisch

HZ7

Horn cutter



Hydraulic horn cutter for lambs in high throughput plants

- Two-hand safety switch



6 kg 13 lbs



70 mm 2 1/2 inch



3-8 bar 45-120 psi



150 bar 2200 psi



Hydraulic

HZ10

Horn cutter



Hydraulic horn cutter for sheep in high throughput plants



15 kg 33 lbs



100 mm 4 inch



3-8 bar 45-120 psi



130 bar 1900 psi



Hydraulic

HG12

Horn guillotine



Hydraulic horn guillotine for the most arduous applications in high throughput plants

- Pneumatic 2-hand safety switch



33 kg 73 lbs



120 mm 4 1/2 inch



3-6 bar 43,5-87psi



180 bar 2600 psi



Hydraulic

BBKM25-06D

Circular brisket knife



Circular brisket knife for slaughtering pigs and sheep in medium and high throughput plants

Benefits of the micro-serrated circular knife:

- Optimised hygiene and longer service life
- Clean and smooth knife cut
- Spiral cable SK
- Round handle R (D type)
- Special knife guard prevents organ cutting

Optional:

- Upright rear handle for working position at belly height or higher



21 kg 46 lbs



250 mm 10 inch



85 mm 3 1/2 inch



IP 65



Electric 3-phase



1800 watts 1.8 hp (50Hz)/VA (50Hz)

BBK28-06D

Circular breastbone saw



Circular breastbone saw for slaughtering pigs and sows in medium and high throughput plants

- Mechanical motor brake MMB
- Circular saw blade, coarse tooth, rust-free KGZ
- Spiral cable SK
- Round handle R (D type)
- Rear handle = diagonal, for deep working position (platform)
- Special knife guard prevents organ cutting



21.3 kg 47 lbs



280 mm 11 inch



100 mm 4 inch



IP 65



Electric 3-phase



1800 watts 1.8 hp (50Hz)/VA (50Hz)

BBST30-13

Reciprocating breastbone saw



Reciprocating breastbone saw for slaughtering cattle & sows in small and medium plants

- Hacksaw blade, fine tooth, rust-free
- Spiral cable SK
- Round handle R (D type)
- Grease gun, filled
- Low dead weight



 12.3 kg 27 lbs

 300 mm 12 inch

IP IP 65

 Electric 3-phase

 950 watts 1.3 hp (50Hz)/VA (50Hz)

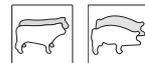
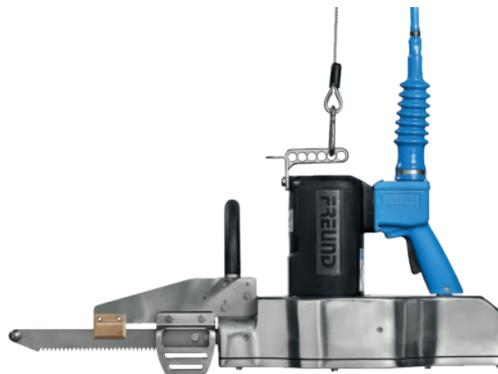
BBH30-03

Reciprocating breastbone saw



Reciprocating breastbone saw for slaughtering cattle and sows in high throughput plants

- Hacksaw blade, fine tooth, rust-free
- Spiral cable SK
- Round handle R (D type)
- Grease gun and 1 kg grease
- Control box, mounted



 21.5 kg 47 lbs

 300 mm 12 inch

IP IP 65

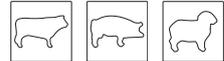
 Electric 3-phase

 1300 watts 1.8 hp (50Hz)/VA (50Hz)

SST50-13

Reciprocating splitting saw

- Smallest machine of its kind with a completely enclosed three-phase motor
- For up to 2 cattle, 15 pigs or 50 sheep per week
- Low dead weight
- Saw blade made of rust-free steel STFZ 500 mm
- Spiral cable, round handle, gun with special grease



11.5 kg 25 lbs



500 mm 20 inch



IP 65



Electric 3-phase



950 watts 1.3 hp (50Hz)/VA (50Hz)

SH60-03

Reciprocating splitter saw

Reciprocating splitter saw for halving up to 100 pigs or 20 cattle per week

- Hacksaw blade, coarse tooth, rust-free HUGZ600SP
- Spiral cable SK
- Round handle R (D type)
- For direct connection to contactor/transformer
- Water connection with spiral hose for cooling and rinsing the cutting surface
- including grease gun



21.6 kg 47.6 lbs



600 mm 23 1/2 inch



IP 65



Electric 3-phase



1300 watts 1.8 hp (50Hz)/VA (50Hz)

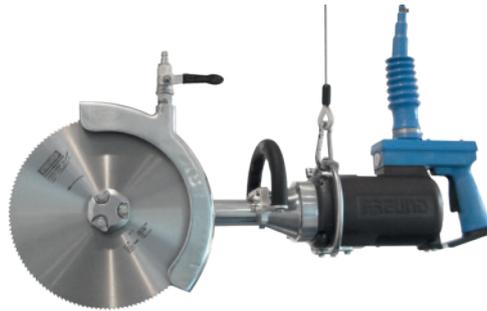
SK28-03L

Circular splitting saw



Circular splitting saw for slaughtering pigs and sheep in medium plants (without head)

- Mechanical motor brake MMB
- Circular saw blade, coarse tooth, rust-free KGZ
- Upright handle on gear neck GH
- Water connection with spiral hose for cooling and rinsing the cutting surface



14 kg 31 lbs



280 mm 11 inch



100 mm 4 inch



IP 65



Electric 3-phase



1300 watts 1.8 hp (50Hz)/VA (50Hz)

SK32-06L

Circular splitting saw



Circular splitting saw for slaughtering pigs and sheep in medium plants (without head)

- Mechanical motor brake MMB
- Circular saw blade, coarse tooth, rust-free KGZ320
- Spiral cable SK
- Upright handle on gear neck GH
- Water connection with spiral hose for cooling and rinsing the cutting surface



19 kg 42 lbs



320 mm 12 1/2 inch



120 mm 4 1/2 inch



IP 65



Electric 3-phase



1800 watts 2.4 hp (50Hz)/VA (50Hz)

SB46-08

Splitter band saw



Splitter band saw for pigs / sheep (high throughput plants) and cattle (medium plants) in a combination slaughter line

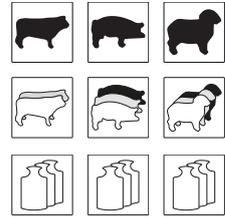
- If using a low gambrel, halving of pigs is only possible with restrictions (in such cases SB49-08)

The basic model has the following standard equipment:

- Manual blade tensioning system MAN with lever blade guides HF
- Machine safety switch (cover sensor) MSS
- Water hose unit
- 5 replacement saw blades
- Inbuilt disinfection system DES-E

Optional:

- Automatic tensioning system (hydraulic) for rapid band saw blade exchange and optimum blade tension at all times AUT with automatic band saw blade rotation for rapid band saw blade exchange with adjustable blade guides JF
- Two-hand safety switch 2HATD
- DES-PO7 inbuilt disinfection kit



SB49-08

Splitter band saw



Splitter band saw

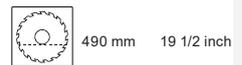
- Particularly suited to expansion brace slaughtering due to the low height (front: 300mm)
- Splitting of cattle is only possible with limitations for this reason

The basic model has the following standard equipment:

- Manual blade tensioning system MAN with lever blade guides HF
- Machine safety switch (cover sensor) MSS
- Water hose unit
- 5 replacement saw blades
- Inbuilt disinfection system DES-E

Optional:

- Automatic tensioning system (hydraulic) for rapid band saw blade exchange and optimum blade tension at all times AUT
- Automatic band saw blade rotation for rapid band saw blade exchange with adjustable blade guides JF
- Electrical water valve EWW
- Two-hand safety switch 2HATD



SB50-08

Splitter band saw



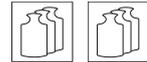
Splitter band saw for cattle and sows in high throughput plants

The basic model has the following standard equipment:

- Manual blade tensioning system MAN
- Lever - blade guides HF
- Machine safety switch (cover sensor) MSS
- Water hose unit
- 5 replacement saw blades
- Inbuilt disinfection system DES-E

Optional:

- Automatic tensioning system (hydraulic) for rapid band saw blade exchange and optimum blade tension at all times AUT
- Automatic band saw blade rotation for rapid band saw blade exchange with adjustable blade guides JF
- Electrical water valve EWW
- Two-hand safety switch 2HATD



74 kg 163 lbs



500 mm 19 1/2 inch



IP65



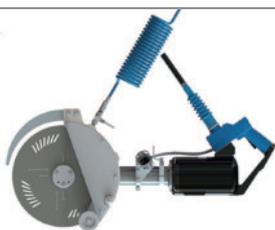
Electric 3-phase



2300 watts 3.1 hp (50Hz)/VA (50Hz)

SK40-08L

Circular splitting saw



Circular splitting saw for slaughtering pigs in high throughput plants

- Circular saw blade, coarse tooth, splitting, low-noise, rust-free KGZ400SPGA
- With smooth cable GK
- Long gear neck
- Two-hand safety switch
- Water connection with spiral hose for cooling and rinsing the cutting surface
- With 2 guide rollers for splitting from the rear



36 kg 79 lbs



400 mm 15 3/4 inch



145 mm 5 1/2 inch



IP 65



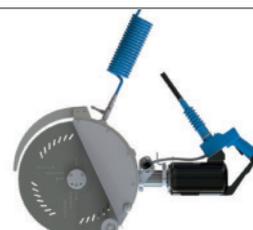
Electric 3-phase



2300 watts 3.1 hp (50Hz)/VA (50Hz)

SK52-08L

Circular splitting saw



Circular splitting saw for slaughtering pigs in high throughput plants (sows to some extent)

- Circular saw blade, coarse tooth, splitting, low-noise, rust-free KGZ520SPGA
- With smooth cable GK
- Two-hand safety switch
- Water connection with spiral hose for cooling and rinsing the cutting surface
- With 2 guide rollers for splitting from the rear



41 kg 90 lbs



520 mm 20 1/2 inch



205 mm 8 inch



IP 65



Electric 3-phase



2300 watts 3.1 hp (50Hz)/VA (50Hz)

VSS

Vacuum suction system



Vacuum suction system for vacuum suctioning of spinal cord, brain, leaf lard and grease residues, lungs of poultry etc.

The equipment can be combined individually and consists of:

- Vacuum tank (rust-free - in different sizes)
- Various hoses
- Hand pieces for different applications
- Selectable vacuum pump

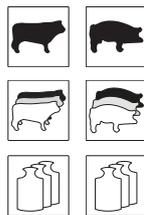
Optional available in versions:

- VSS-EDF: specifically for use with Rectum cutter EDF64 / EDF76
- VSS-SCR: specifically for use with Spinal cord remover trimmer SCR



SCR

Spinal cord remover trimmer



- The modern way of removing spinal cord in which the risk material is completely isolated
- The spinal cord strand is suctioned by means of a vacuum (VSS vacuum suction system = accessories). The internal cutting edge separates the spinal ganglia without harming the spinal cord skin

	16 / 19 mm	0.6 / 0.7 inch
	6 bar 400 l/min	87 psi
	Pneumatic	
	280 watts	0.38 hp

Available in 2 different knife sizes:

- SCR16 for pigs
- SCR19 for cattle

EDF

Rectum cutter



To optimally cut out the rectum of pigs and sows.

- Clean and even cut of the rear ham
- Increased yield thanks to more meat on the carcass, on the ham and less on the rectum
- Vacuum extraction of the faecal remains reduces the risk of contamination if the rectum falls into the abdominal cavity
- Internal cleaning system for blades reduces cross-contamination
- available in two different sizes

	3.5 kg	7.7 lbs
	64 / 76 mm	2 1/2 / 3 inch
	6 bar 1000 l/min	90 psi
	750 watts	1 hp
	Pneumatic	

VSS-VH38B

Optional hand piece for VSS vacuum suction system

Vacuum suction system hand piece with scraping edge for removing the spinal cord (from the halved carcass) of cattle, pigs and sheep



VSS-VH38G

Optional hand piece for VSS vacuum suction system

Vacuum suction system hand piece with 2.2 m hose for removing spinal cord of cattle prior to halving



VSS-VH38H

Optional hand piece for VSS vacuum suction system

Vacuum suction system hand piece with scraper mandrel for removing the spinal cord (from the halved carcass) of cattle, pigs and sheep



VSS-VH38E

Optional hand piece for VSS vacuum suction system

Vacuum suction system hand piece with 1.2 m hose for removing the spinal cord (from the halved carcass) of cattle, pigs and sheep



VSS-VH38I

Optional hand piece for VSS vacuum suction system

Vacuum suction system hand piece with wide nozzle for removing the spinal cord (from the halved carcass) of cattle, pigs and sheep



VP 100-300

Vacuum pump

Vacuum pumps (rotary valve, oil lubrication) with 100, 160 or 240 cbm/h for use in the vacuum suction system VSS



SVSS

Steam vacuum sanitizer system



For efficient elimination of contamination and reduction of surface germ counts on carcasses

- Vacuum suctioning of contamination such as bowel contents, hair
- Simultaneous disinfection of the surface using steam
- Significantly better germ reduction compared to cutting with blades e.g. in relation to E.coli bacteria
- Greater food safety
- Increased yield due to lower weight loss compared to trimming
- Reduced risk of cross-contamination thanks to continuous steam disinfection of the hand piece
- No visible change to the surface of the meat



261 kg

575 lbs



IP 54



Electric
3-phase



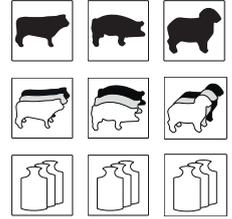
SVG21

Steam generator



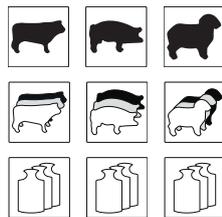
For efficient steam generation for FREUND - steam vacuum systems

- Steam output max. 21 kg/hour
- Stable stainless steel design ****INOX / rust-free****
- Including all requisite safety equipment
- Due to its separate, wired control unit, the actual generator can also be installed saving space in the overhead track structure (pneumatic steam outlet valve recommended)
- max. steam temperature 158 °C
- Component of steam vacuum sanitizer system SVSS

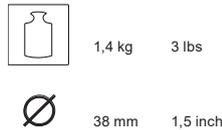


SVH38A

Steam vacuum piece

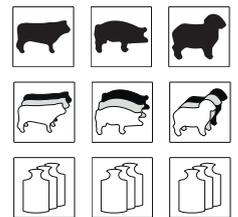


- Disinfection by means of an integrated steam supply and suctioning by means of a vacuum suction line
- Component of steam vacuum sanitizer system SVSS



SVG28

Steam generator



Optional to SVG21

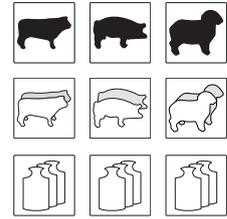
- Steam output max. 28 kg/hour
- Stable stainless steel design ****INOX / rust-free****
- max. steam temperature 158 °C

ST30-11S

Quartering jigsaw



- Jigsaw blade, fine tooth STFZ
- Spiral cable SK
- Round handle R (D type)
- Low-vibration operation thanks to the counterweights installed
- High speed (S)



6.5 kg 14 lbs



300 mm 12 inch



IP 24



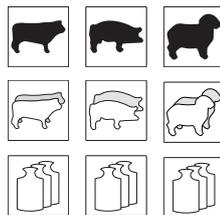
Electric 1-phase



860 watts 1.17 hp
(50-60Hz) (50-60 Hz)
/VA

ST40-11S

Quartering jigsaw



- Jigsaw blade, fine tooth STFZ
- Spiral cable SK
- Round handle R (D type)
- Low-vibration operation thanks to the counterweights installed
- High speed (S)



7.4 kg 16.3 lbs



400 mm 15 1/2 inch



IP 24



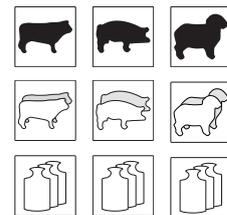
Electric 1-phase



860 watts 1.17 hp
(50-60Hz) (50-60Hz)
/VA

ST40-13

Quartering jigsaw



12.7 kg 28 lbs



400 mm 15 1/2 inch



IP 65



Electric 3-phase

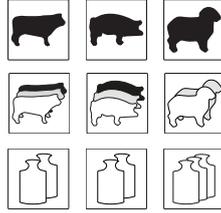


950 watts 1.17 hp
(50-60 Hz) (50-60 Hz)
VA

- Smallest machine of its kind with a completely enclosed three-phase motor
- Jigsaw blade, fine tooth STFZ
- Spiral cable SK
- Round handle R (D type)
- Low-vibration operation thanks to the counterweights installed

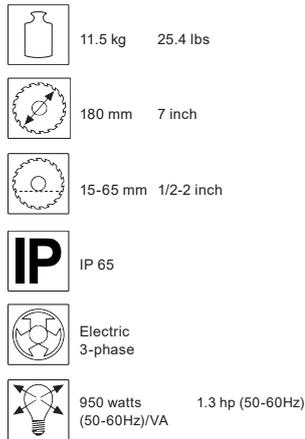
K18-13

Circular breaking saw



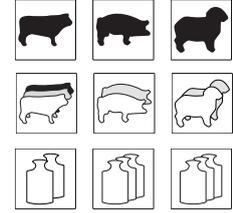
Circular breaking saw for general cutting work in medium plants

- Integrated electronic motor brake (standstill in less than 3 seconds)
- One-hand adjustable depth control
- Round handle R (D type)
- Spiral cable SK



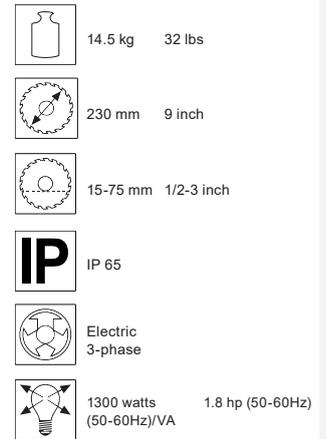
K23-03

Circular breaking saw



Circular breaking saw for general cutting work in medium plants

- One-hand adjustable depth control 15-75 mm
- Mechanical motor brake MMB
- Saw blade stop within 3 seconds after switch-off (EU standard)
- Circular saw blade, coarse tooth, rust-free KGZ
- Round handle R (D type)
- Spiral cable SK



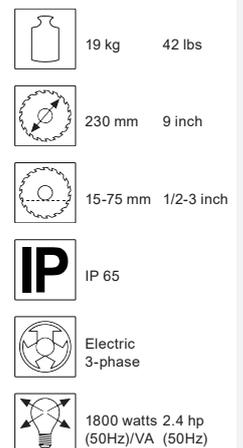
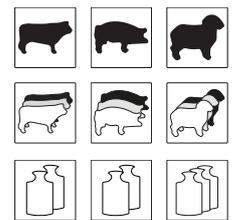
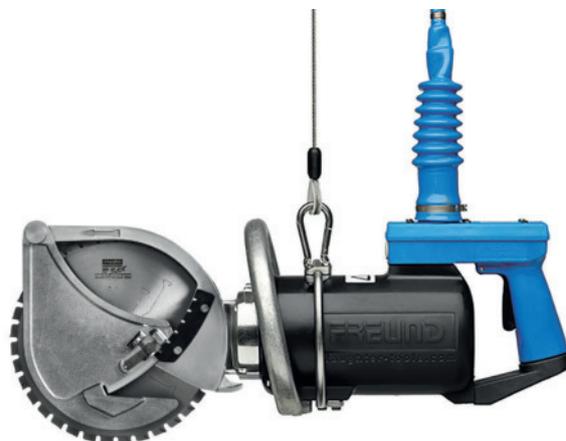
K23-06

Circular breaking saw



Circular breaking saw for general cutting work

- One-hand adjustable depth control
- Mechanical motor brake MMB
- Saw blade stop within 3 seconds after switch-off (EU standard)
- Circular saw blade, coarse tooth, rust-free KGZ
- Round handle R (D type)
- Spiral cable SK



K28-06

Circular breaking saw



Circular breaking saw for general cutting work

- Saw blade stop within 3 seconds after switch-off (EU standard)
- Mechanical motor brake MMB
- Circular saw blade, coarse tooth, rust-free KGZ
- Round handle R (D type)
- Spiral cable SK



19.5 kg 43 lbs



280 mm 11 inch



100 mm 4 inch



IP 65



Electric 3-phase



1800 watts 2.4 hp (50Hz)/VA (50Hz)

K28-06L

Quartering and circular breaking saw

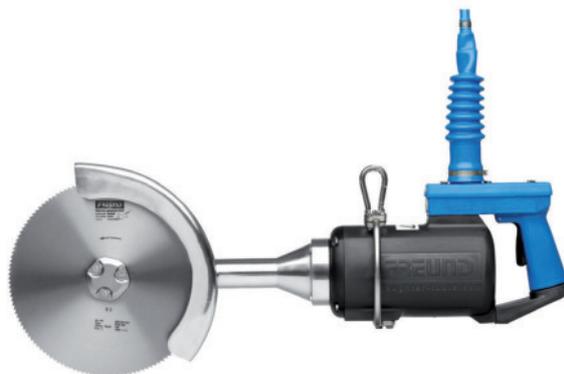


Quartering and circular breaking saw for general cutting work in high throughput plants

- Long gear neck as a second handle
- Mechanical motor brake MMB
- Circular saw blade, coarse tooth, rust-free KGZ
- Spiral cable SK

Optional:

- Two-hand safety switch



19 kg 42 lbs



280 mm 11 inch



100 mm 4 inch



IP 65



Electric 3-phase



1700 watts 2.4 hp (50Hz)/VA (50Hz)

K32-06

Circular breaking saw



Circular breaking saw for general cutting work

- Saw blade stop within 3 seconds after switch-off (EU standard)
- Mechanical motor brake MMB
- Circular saw blade, coarse tooth, rust-free KGZ
- Round handle R (D type)
- Spiral cable SK



20 kg 44 lbs



320 mm 12 1/2 inch



120 mm 4 1/2 inch



IP 65



Electric 3-phase



1800 watts 2.4 hp (50Hz)/VA (50Hz)

K32-06L

Quartering and circular breaking saw

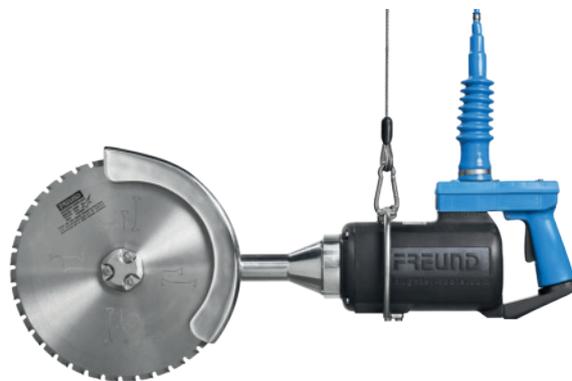


Circular quartering saw for general cutting work in high throughput plants

- Long gear neck as a second handle
- Mechanical motor brake MMB
- Circular saw blade, coarse tooth, rust-free KGZ
- Spiral cable SK

Optional:

- Two-hand safety switch



19 kg 42 lbs



320 mm 12 1/2 inch



120 mm 4 1/2 inch



IP 65



Electric 3-phase



1700 watts 2.4 hp (50Hz)/VA (50Hz)

K16-P4_evo2

Circular breaking saw



One-hand circular breaking saw for universal use

- One-hand adjustable depth control
- Powerful 800W compressed air motor "Made in Germany"
- Stainless steel blade guard & depth control
- Even balance and force transmission protects the wrist joints
- Robust and low-wear gear unit
- Adjustable handle for better ergonomics



3.1 kg 7 lbs



160 mm 6 1/2 inch



15-51 mm 2 inch



6 bar 950 l/min



Pneumatic

AS28

Quartering shear



32 kg 71 lbs



280 mm 11 inch



110 bar 1600 psi



Hydraulic

Hydraulic shear for quartering cattle

- Clean and smooth cut through the backbone and back muscles
- Two-hand safety switch
- Adjustable handle for better ergonomics

BBS14

Breastbone shear



14 kg 31 lbs



145 mm 6 inch



7 bar 100 psi



Pneumatic

Breastbone shear for sheep and goats in medium and high throughput plants

- Compressed-air drive
- Flexible DL spiral hose 2.5 m

RTK18-13

Rib top circular saw



For separating the loin ribs of the spinal column on the complete mid-section

Two adjustable depth stops for

- precise cutting guide
- optimum yield
- high degree of operator safety

Horizontal cutting guide for

- fatigue to be felt more slowly
- precise cutting guide
- correct posture

Thin saw blade 0.8 mm for

- clean cuts and surfaces
- low germ counts
- less sawdust
- Optimum yield



12.3 kg 27 lbs



160 mm 6 1/2 inch



15 - 55 mm 1/2 - 2 inch



IP 65



Electric 3-phase



950 watts (50-60Hz)/ VA

BCK23-03

Circular bacon saw



Circular breaking saw with horizontal saw blade for medium & high throughput plants

For coarse cutting, cutting out the backbone of bacon half-carcasses of pigs

- Circular saw blade, coarse tooth, rust-free KGZ
- Spiral cable SK
- Round handle R (D type)
- Saw blade stop within 3 seconds after switch-off (EU standard)
- Mechanical motor brake MMB



13 kg 29 lbs



230 mm 9 inch



75 mm 3 inch



IP 65



Electric 3-phase



1300 watts 1.8 hp (50-60Hz)/ (50-60Hz) VA

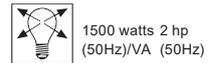
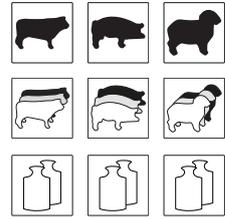
TBS28FT

Table band saw with fixed table



Designed for cutting and portioning meat with or without bones and other food of any kind in a fresh or frozen state

- Stable machine housing
- With fixed table
- Manual blade tension
- Quiet operation
- Stable, folding table design for easy cleaning
- Removable push plate
- Removable portioning fence



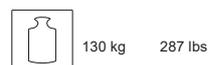
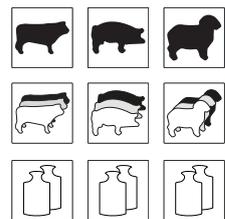
TBS28ST

Table band saw with sliding table



Designed for cutting and portioning meat with or without bones and other food of any kind in a fresh or frozen state

- Stable machine housing
- Manual blade tension
- With a sliding table guided by a ball bearing
- Quiet operation
- Stable, folding table design for easy cleaning
- Removable push plate
- Removable rest holder
- Removable portioning fence



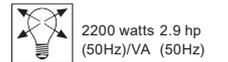
TBS40FT

Table band saw with fixed table



Designed for cutting and portioning meat with or without bones and other food of any kind in a fresh or frozen state

- Stable machine housing
- Manual blade tension
- With fixed table
- Quiet operation
- Stable, folding table design for easy cleaning
- Removable push plate
- Removable portioning fence



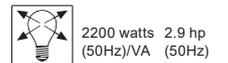
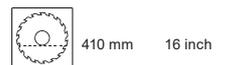
TBS40ST

Table band saw with sliding table



Designed for cutting and portioning meat with or without bones and other food of any kind in a fresh or frozen state

- Stable machine housing
- Manual blade tension
- With a sliding table guided by a ball bearing
- Quiet operation
- Stable, folding table design for easy cleaning
- Removable push plate
- Removable rest holder
- Removable portioning fence



ZKM75-08-DA

Circular cutting knife



Circular cutting knife for low-loss coarse cutting of horizontal carcasses, e.g. on a cutting belt conveyor

- Manual or electromotive lifting of the blade up to 200 mm above the cutting belt
- Space-saving suspension of ceiling or frame structure (suspended installation) in cutting equipment



	140 kg	309 lbs			
	750 mm	30 inch			
	300 mm	12 inch			
IP	IP 65				
	Electric 3-phase				
	2300 watts (50Hz)/VA		3.1 hp (50Hz)		

ZKM60-08-DA-MS

Middle splitter circular knife



Circular knife for optimum separation of pig mid-sections in belly & cutlet series

- Space-saving suspension of ceiling or frame structure (suspended installation) in cutting equipment
- Continuous cutting angle adjustment +/- 15° can be set for optimum yield



	120 kg	265 lbs			
	600 mm	23 1/2 inch			
	175 mm	7 inch			
IP	IP 65				
	Electric 3-phase				
	2300 watts (50Hz)/VA		3.1 hp (50Hz)		

ZKM75-08-DA-JHS

Circular cutting knife



Circular cutting knife for low-loss coarse cutting of horizontal carcasses, e.g. on a cutting belt conveyor

- Manual or electromotive lifting of the blade up to 200 mm above the cutting belt
- Space-saving suspension of ceiling or frame structure (suspended installation) in cutting equipment
- With lateral movement option



	200 kg	440 lbs			
	750 mm	30 inch			
	300 mm	12 inch			
IP	IP 65				
	Electric 3-phase				
	2300 watts (50Hz)/VA		3.1 hp (50Hz)		

UNI-PORTAL UP4

Universal portal frame

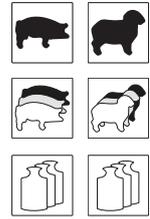
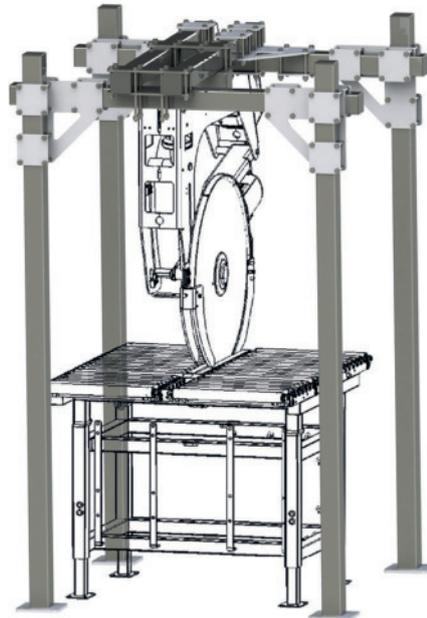
Universally combinable frame design

for ZKM circular breaking knife and other machines

- Diverse configuration options thanks to the modular design
- Straightforward adjustment of dimensions on-site

For easy set-up or integration of circular knives in cutting lines for example:

- ZKM75-08-DA
- ZKM60-08-DA-MS



UNI-PORTAL UP3

Universal portal frame

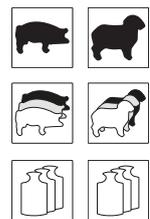
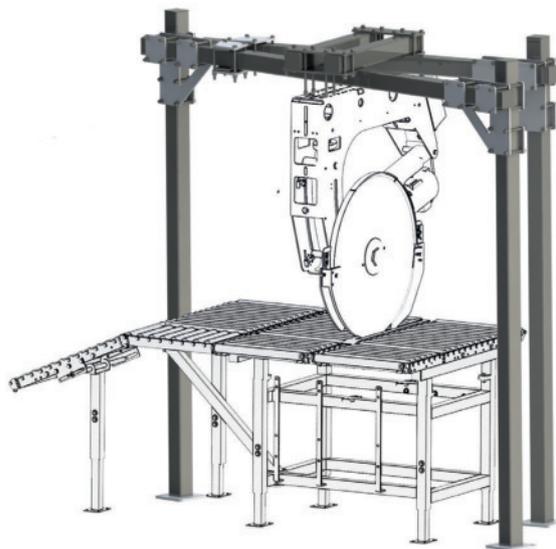
Universally combinable frame design

for ZKM circular breaking knife and other machines

- Diverse configuration options thanks to the modular design
- Straightforward adjustment of dimensions on-site

For easy set-up or integration of circular knives in cutting lines for example:

- ZKM75-08-DA
- ZKM60-08-DA-MS



ZKM75-08-T

Circular cutting knife as a modular table version



Circular cutting knife for low-loss coarse cutting of horizontal carcasses, e.g. on a cutting belt conveyor

- Compact unit for pre-head positioning in advance of a pig/sheep cutting line
- Loss-free, cleaner and hygienic cut without any smearing
- One operator can coarse cut up to 160 pig halves (3 cuts) per hour
- Design: Table with modular, exchangeable roller frame
- Stainless steel circular knife **INOX / rust-free**
- GS-certified: EC type examination as per German Product Safety Act



300 kg

661 lbs



750 mm

29 1/2 inch



300 mm

12 inch



IP 65

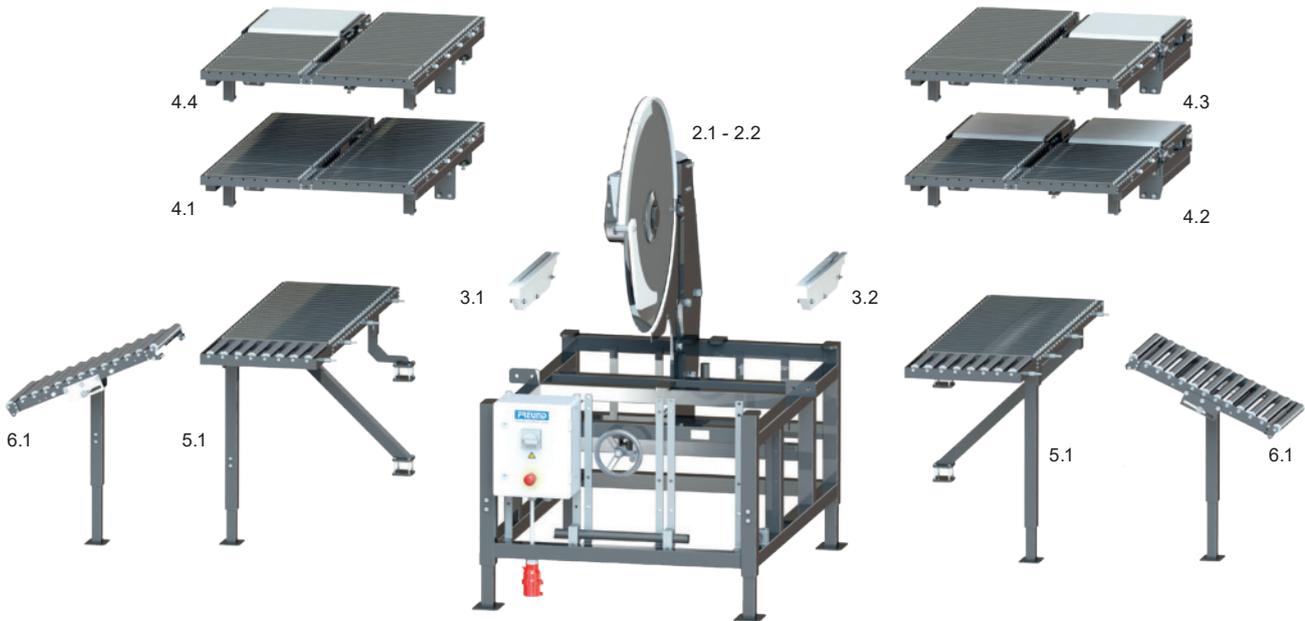


Electric 3-phase



2300 watts (50Hz)/VA

3.1 hp (50Hz)



Item	Designation
1	ZKM75-08-T basic model
2.1	KM750S-1F circular knife for pigs
2.2	KM750S-2F circular knife for sheep
3.1	Guide insert for pigs
3.2	Guide insert for sheep
4.1	ZKM-T roller conveyors (left/right)
4.2	ZKM-T roller conveyors with conveyor belts (left/right)
4.3	ZKM-T roller conveyor with conveyor belt (right)
4.4	ZKM-T roller conveyor with conveyor belt (left)
5.1	Roller table attachment RTA
6.1	Buffer roller conveyor RTA
6.2	Buffer roller RTA
7.1	Transport rollers ZKM-T (4 rollers)
7.2	Transport rollers ZKM-T (6 rollers)
No details	Modular circular foot saw for lateral attachment

FK40-08

Circular-Feet-Cutting-Saw



Circular-Feet-Cutting-Saw for latter attachment of cutting equipment

- E meat crate can be kept as a chip box
- circular saw swivel-mounted on the tabletop for optimum cleaning
- completely encased, powerful bevel gear drive: specifically designed for use in slaughtering & cutting up
- stable stainless steel design **INOX / rust-free **
- left and right-hand version available respectively for installation on a table or belt (please specify)
- saw blade revolutions: 1170/min
- cutting speed: 1470 m/min.
- including electronic motor brake
- up to 1200 cuts per hour



58 kg

128 lbs



400 mm

16 inch



125 mm

5 inch



IP 65

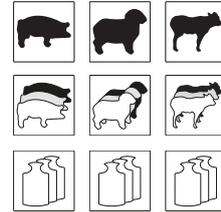


Electric
3 phase



2300 watts
(50Hz)/VA

3,1 hp (50Hz)



ZKM-T-2CB

Cutting Table with automatic discharge (foldable)



Space-saving cutting table with automatic discharge (foldable), suitable for use with ZKM60-08 DA MS

- Space-saving 1x1 design principle (1000x1000 mm work surface)
- Easy to clean thanks to folding table side parts
- Optimised assembly options thanks to easily accessible drum motors and optimised chain link belts, which means a significantly reduced assembly time
- Better flushing of the chain link belts
- Automatic removal of the product
- Significant reduction in bone fragments thanks to stable trough
- Aligned with ceiling-suspended ZKM-DA-MS and portal solutions



SRC34-H5_EV02

Spare ribs cutter



For optimum separation of the ribs (loin or back ribs) of split backbone



250 kg

551,2 lbs

- Up to 2000 items/hour with trained personnel
- Clean, smooth and even cut
- Optimum extraction of the meat thanks to an additional extraction plate
- Consistent yield (practically no meat loss)
- Longer shelf life of the product thanks to better hygiene (hardly any sawdust)
- Safe working
- Laterally integrated conveyor belt for the ribs
- Low space requirement
- Transport rollers for a quick change of location
- High degree of stability for the guides thanks to being locked via the tension lever
- Quick payback time due to the attractive price/performance ratio
- Circular knife can be re-sharpened
- Quick and easy to clean



345 mm

13 1/2 inch



IP 65



elektrisch,
3 Phasen



2800 Watt
(50Hz)

3,0 hp
(50Hz)



RTC34

Rib Top Cutter



- High performance with up to 1500 cutlet strands per hour
- Circular knife technology
- Automatic cutting guide and ejection as well as outward conveyance of the portions
- Consistent precise cuts, less bone removal
- Less bone dust
- Good level of adjustability, including quick adjustment of the cutting depth
- Easy maintenance and cleaning
- Proven SRC drive technology
- Highly robust design
- Increased operator safety



260 kg 573 lbs



345 mm 13 1/2 inch



IP 65



Electric
3-phase



2800 watts 3.0 hp
(50Hz)/VA (50Hz)



TRIMMER

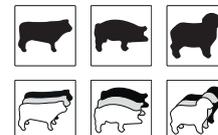
FREUND trimmer start-stop (electric) head for processing meat, bone and fish



- New start-stop safety system with stop lever on the hand piece
- Series 2 with improved tothing and increased blade service life
- Available with cutting depth control
- Can be combined with blades of different diameters and shapes
- Ring blade with a diameter of 35 - 128 mm

Optional blade shape:

- 'A' = upright
- 'B' = hook
- 'C' = flat



35-128 mm



Electric



250 Watt

TRIMMER

FREUND trimmer (electric) head for processing meat, bone and fish



- Series 2 with improved tothing and increased blade service life
- Optimum cutting results
- Can be combined with blades of different diameters and shapes
- Ring blade with a diameter of 35 - 128 mm

Optional blade shape:

- 'A' = upright
- 'B' = hook
- 'C' = flat



35-128 mm



Electric



250 Watt

TRIMMER

FREUND trimmer (electric) head for processing meat, bone and fish



- Series 2 with improved tothing and increased blade service life
- Optimum cutting results
- Available with cutting depth control
- Ergonomic thumb rest
- Can be combined with blades of different diameters and shapes
- Ring blade with a diameter of 35 - 128 mm

Optional blade shape:

- 'A' = upright
- 'B' = hook
- 'C' = flat



35-128 mm



Electric



250 Watt

TM-E6000

Trimmer motor



- For all Endeavour hand pieces
- Industrial version with up to 6500 rev/min @50Hz
- Integrated hand piece bracket
- Easy connection to the hand piece
- Hygienic design



-  16 kg 35.3 lbs
-  IP 65
-  Electric 1-phase
-  370 watts 0.5 hp
(50-60Hz) (50-60Hz)

TSM-E1

Trimmer Sharpening Machine

Trimmer sharpening machine for the best sharpening results

- Precise sharpening of trimmer blades with a diameter of 35, 52, 69, 90 and 128 mm
- The quick clamp device in two different sizes allows you to insert the trimmer blades quickly with minimal assembly effort
- The spring-loaded de-burr lever prevents too much pressure on the blade
- The pre-coated precision grinding wheel gives you the best sharpening results and at the same time, the maximum lifespan of the grinding unit
- Integrated overload display signals a possible overload
- Compact and robust aluminium housing
- Drive with up to 8000 rpm



-  13,8 kg 30 lbs
-  IP 32
-  Electric 1-phase
-  150 Watt (50Hz)

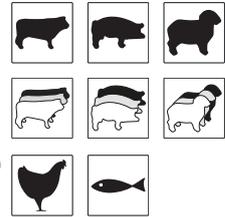
TRIMMER

FREUND trimmer (pneumatic) including motor P2

- New start-stop safety system with stop lever on the hand piece
- Series 2 with improved tothing and increased blade service life
- Available with cutting depth control
- Can be combined with blades of different diameters and shapes
- Ring blade with a diameter of 35 - 128 mm

Optional blade shape:

- 'A' = upright
- 'B' = hook
- 'C' = flat



6 bar 90 psi
470 l/min



35-128 mm



Pneumatic



250 watts

HSK8-P3

Pneumatic hand skinner

Hand skinner for easy skinning of pig and beef sections (cold degreasing)

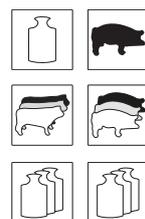
- Knife quick-change system for toolless blade change
- High degree of operational safety
- Stable design
- Low-noise operation

Powerful compressed air motor "Made in Germany" makes oil-free operation possible

- Easy cleaning thanks to the hygienic design
- No dead spaces where dirt can accumulate

Maintenance-friendly:

- Easy disassembly
- Variable handle position
- Easy adjustment of the handle position to the cutting head



2,2 kg 4,9 lbs



76 mm 3 inch



3.5 mm 0.14 inch



6 bar 90 psi
420 l/min



Pneumatic



320 watts 0.43 hp

F0,5-1,6...F3-1,6

Balancer series 1-3 kg with 1.6 meter cable extension



Balancer specially developed to be used in the food industry for food processing



0.5 - 0.7 kg

1 - 1.5 lbs



0.4 - 3 kg

0.8 / 6.6 lbs



1.6 m

5.2 ft

- Falling protection / safety suspension
- Stable plastic housing
- Balancer rope & stainless steel hook
- Adjustable carrying capacity

F4-2,5...F14-2,5

Balancer series 4-14 kg with 2.5 meter cable extension



Balancer specially developed to be used in the food industry for food processing



3.4 - 3.7 kg

7.5 - 8.5 lbs



2 - 14 kg

4.4 - 31 lbs



2.5 m

8.2 ft

- Stable aluminium housing polished and unpainted – no risk of contamination by flaking surfaces
- Balancer rope & stainless steel hook
- Sealed bearing
- Lubrication with food grease as per FDA
- Falling protection / spring fracture safety device (from 3 kg)

F14-2...F25-2

Balancer series 14-25 kg with 2 meter cable extension

Balancer specially developed to be used in the food industry for food processing



6 - 7.5 kg

13 - 16.5 lbs



10 - 25 kg

22 - 55 lbs



2 m

6.6 ft

- Balancer housing & drum made of corrosion-resistant aluminium pressure casting
- Stable aluminium housing polished and unpainted – no risk of contamination by flaking surfaces/paint
- Balancer rope & stainless steel hook
- Sealed bearing
- Lubrication with food grease as per FDA
- Falling protection / spring fracture safety device (from 3 kg)



F45-3...F100-3

Balancer series 35-180 kg with 3 meter cable extension

Balancer specially developed to be used in the food industry for food processing

- Balancer housing & drum made of corrosion-resistant aluminium pressure casting
- Stable aluminium housing polished and unpainted – no risk of contamination by flaking surfaces/paint
- Balancer rope & stainless steel hook
- Sealed bearing
- Lubrication with food grease as per FDA
- Falling protection / spring fracture safety device (from 3 kg)



27 - 32.4 kg 60 - 71 lbs



35 - 100 kg 77 - 220 lbs



3 m 9.8 ft



F30-2...F105-2

Balancer series 20-180 kg with 2 meter cable extension

Balancer specially developed to be used in the food industry for food processing

- Balancer housing & drum made of corrosion-resistant aluminium pressure casting
- Stable aluminium housing polished and unpainted – no risk of contamination by flaking surfaces/paint
- Balancer rope & stainless steel hook
- Sealed bearing
- Lubrication with food grease as per FDA
- Falling protection / spring fracture safety device (from 3 kg)



12 - 18 kg 26 - 40 lbs



25 - 105 kg 55 - 231 lbs



2 m 6.6 ft



F20-3...F35-3

Balancer series 20-35 kg with 3 meter cable extension

Balancer specially developed to be used in the food industry for food processing

- Balancer housing & drum made of corrosion-resistant aluminium pressure casting
- Stable aluminium housing polished and unpainted – no risk of contamination by flaking surfaces/paint
- Balancer rope & stainless steel hook
- Sealed bearing
- Lubrication with food grease as per FDA
- Falling protection / spring fracture safety device (from 3 kg)



22 - 24 kg 48.5 - 53 lbs



15 - 35 kg 33 - 77 lbs



3 m 9.8 ft



STANDARD WERKZEUGE / STANDARD TOOLS

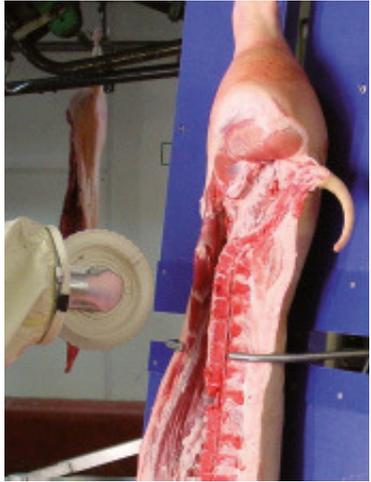
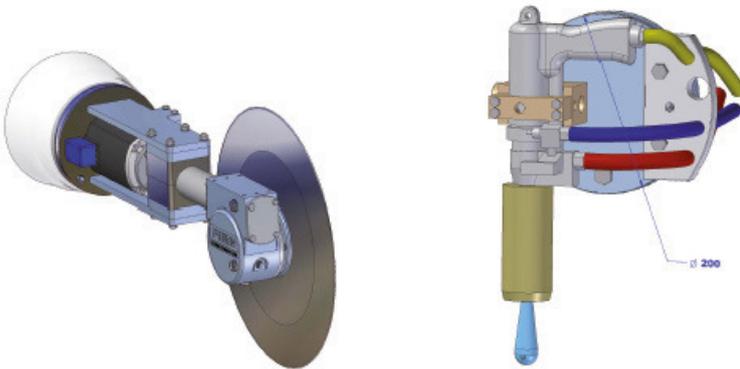
Standard tools for automation of slaughtering and cutting tasks

Many FREUND hand machines are also designed (and used) as tools for use in automatic machines or in robots for the meat industry.

In this regard, FREUND regards itself as a partner of the plant engineer with special expertise relating to tools for the slaughtering & cutting industry.

By using FREUND standard tools, manufacturers of (semi-) automatic systems can shorten their product development times.

FREUND's global network of subsidiaries is available to offer you an after-sales service.



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TECHNICAL SUPPORT

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

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 support you're on the safe side.

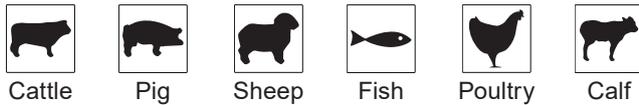


We look forward to hearing from you:

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ANIMAL SPECIES



ANIMALS PER WEEK

Trade	Medium plants	Industry
1 - 20	21 - 500	> 500
1 - 100	101 - 5.000	> 5.000
1 - 200	201 - 10.000	> 10.000

CARCASS (DEAD) WEIGHT

	< 200 kg	200 - 400 kg	> 400 kg
	< 80 kg	80 - 120 kg	> 120 kg
	< 15 kg	15 - 25 kg	> 25 kg

TECHNICAL DATA

Weight (of the tool)	Protection Class
Saw blade diameter	Drive type
Saw Blade / Cutting length	Pressure
Cutting depth	Power
Shear opening	Cable extension
Stroke	Tensile strength of cable

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