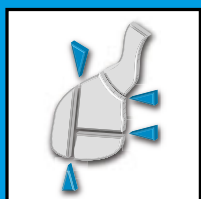


TRIMMER_evo3



TRIMMING



TRADITION
+ INNOVATION
= FUTURE





FEEL THE
NEW
POWER
IN
PERFECTION



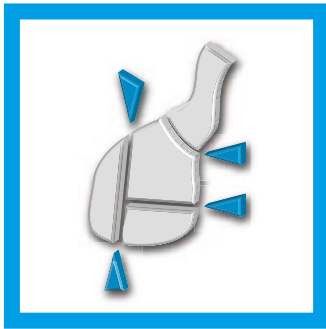
TRIMMER_ev03

TRIMMING



TRIMMING

TRIMMER_evo3



Our new Trimmer_evo3 are a cost saving alternative, designed with durable, robust components to provide excellent performance with low maintenance costs.

We present a variable modular system with quality components that offers advantages such as higher productivity, higher yields, more profits and improved safety. The new system minimizes the need for spare parts and maintenance and service are more customerfriendly.

Thanks to the new ergonomic shape of the new series, comfortable, fatigue-free and more efficient work is guaranteed.

CONTENTS

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▶ Trimmer_evo3 - Variant with vacuum suction	19-23
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FREUND Assistance / Technical support	26-27

TRIMMER_evo3

TRIMMING

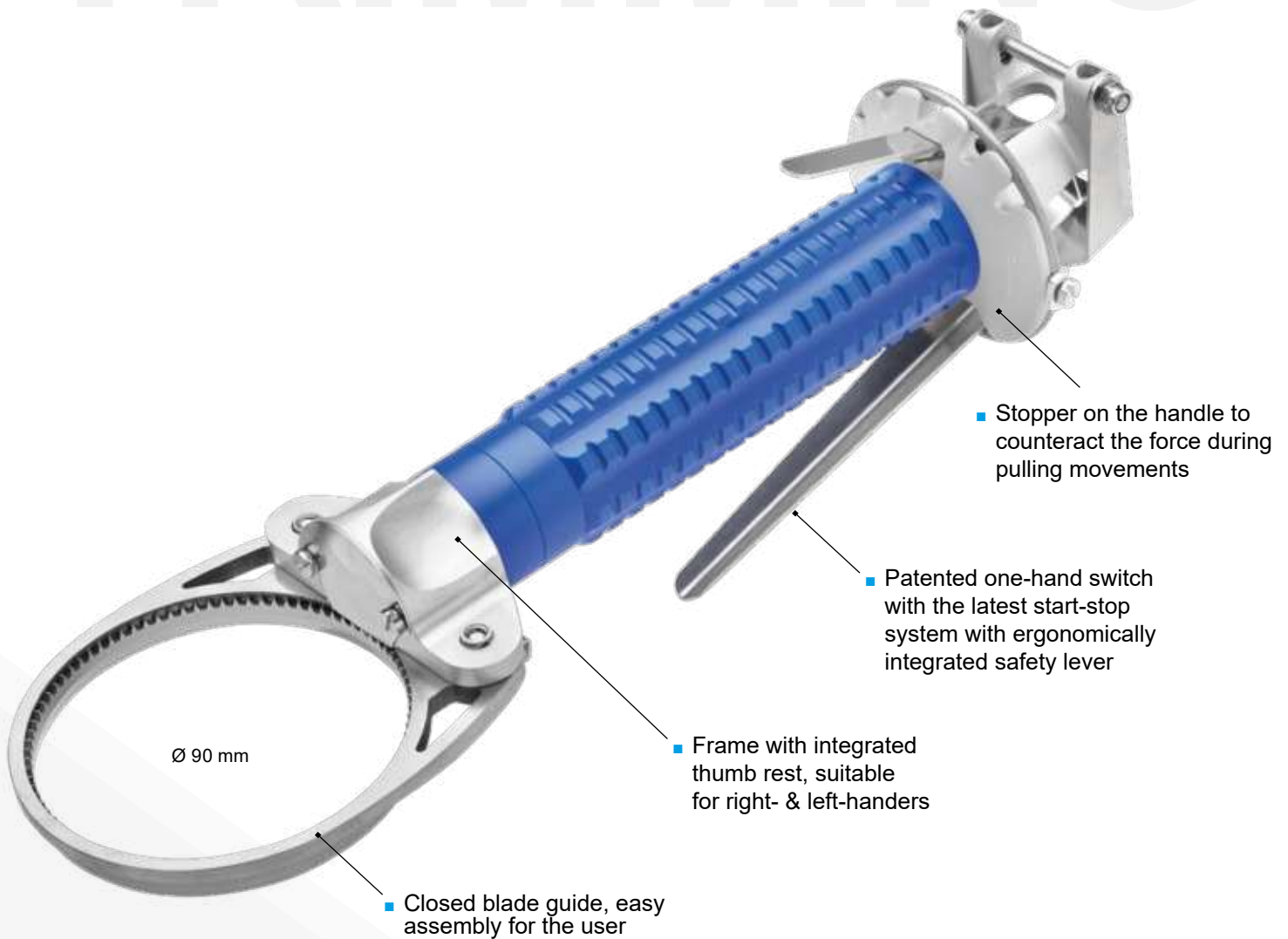


- Better cutting performance for all applications
- Modular Design
- Improved power transmission of the drive to the blade
- Improved ergonomics thanks to perfectly balanced handpiece
- Weight reduction reduces hand fatigue
- The “fat-free variant” reduces the number of foreign bodies
- A puller for 6 different blades reduces costs and errors
- Patented one-hand switch with the latest start-stop system with ergonomically integrated safety lever
- Quality blades made from corrosion-resistant heavy-duty steel for many trimming/protein applications
- Low maintenance costs thanks to low-wear quality components



► **NOTE:** Sharpening of suitable blades only with the TSM-E1 trimmer sharpener

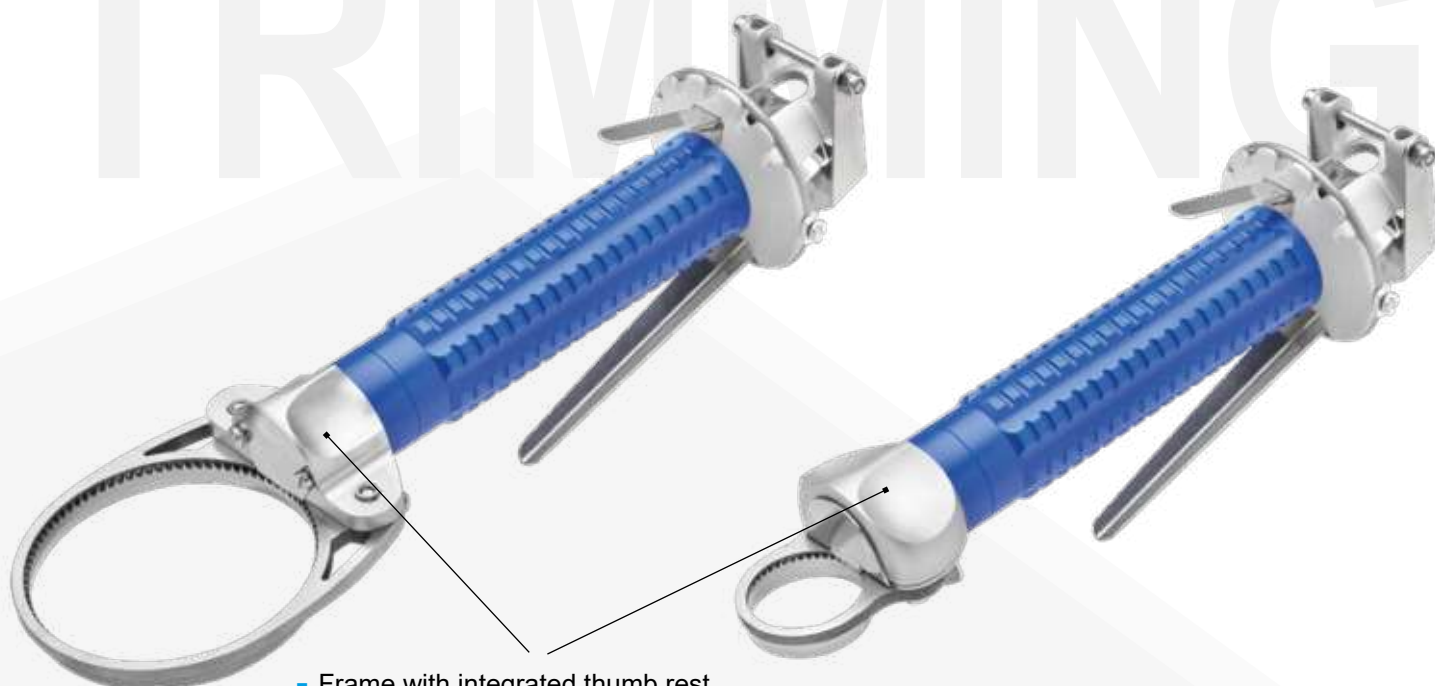
TRIMMING



Videos on maintenance & care

* The images show Trimmer_evo3 'Fat-free variants'

TRIMMING



- Frame with integrated thumb rest, available in 2 sizes

* The images show Trimmer E90_evo3 / Trimmer E35_evo3 'Fat-free variants'



for Ø 128 mm



for Ø 90 mm

- Frame 'large'



for Ø 69 mm



for Ø 52 mm



for Ø 35 mm

- Frame 'small'



► **NOTE:** Sharpening of suitable blades only with the TSM-E1 trimmer sharpener

TRIMMING

TRIMMER FEATURES

■ new multifunctional grease ring



▶ with grease nipple



▶ with grease cup
(also suitable as a
hand strap holder)



▶ with strap holder



▶ ergonomically designed
for fatigue-free work



Videos on maintenance & care

*The Images shows some of the possible configurations

FEATURES



DEPTH CONTROL

- uniform cutting depth (individually adjustable)
- higher yield due to reduced rejects
- in 2 stainless steel versions DCF(FAT) / DCS(SKIN)

MULTIFUNCTIONAL GREASE RING

- Various versions, including with/without grease nipples, with hand strap holder or with grease bushing (also suitable as a hand strap holder)

THUMB SUPPORT

- Ergonomically designed for fatigue-free work
- Infinitely adjustable for right- and left-handed users
- significant increase in user safety

ONE-HAND SWITCH

- Low-vibration one-handed operation with start-stop safety system
- Separate grip and functional areas
- perfectly balanced by mass in the rear area
- Stop to counteract the force of pulling movements
- Binding the hand strap and vacuum hose holder

TRIMMER HANDLE

- hygienic and abrasion-resistant
- 2 versions (cylindrical/ergonomic) in 2 sizes (S/M)

DRIVE LINE

- High flexibility & lightweight
- Longer service life thanks to reinforced inner core (special fiber fabric) and vibration reduction

STANDARD VERSION

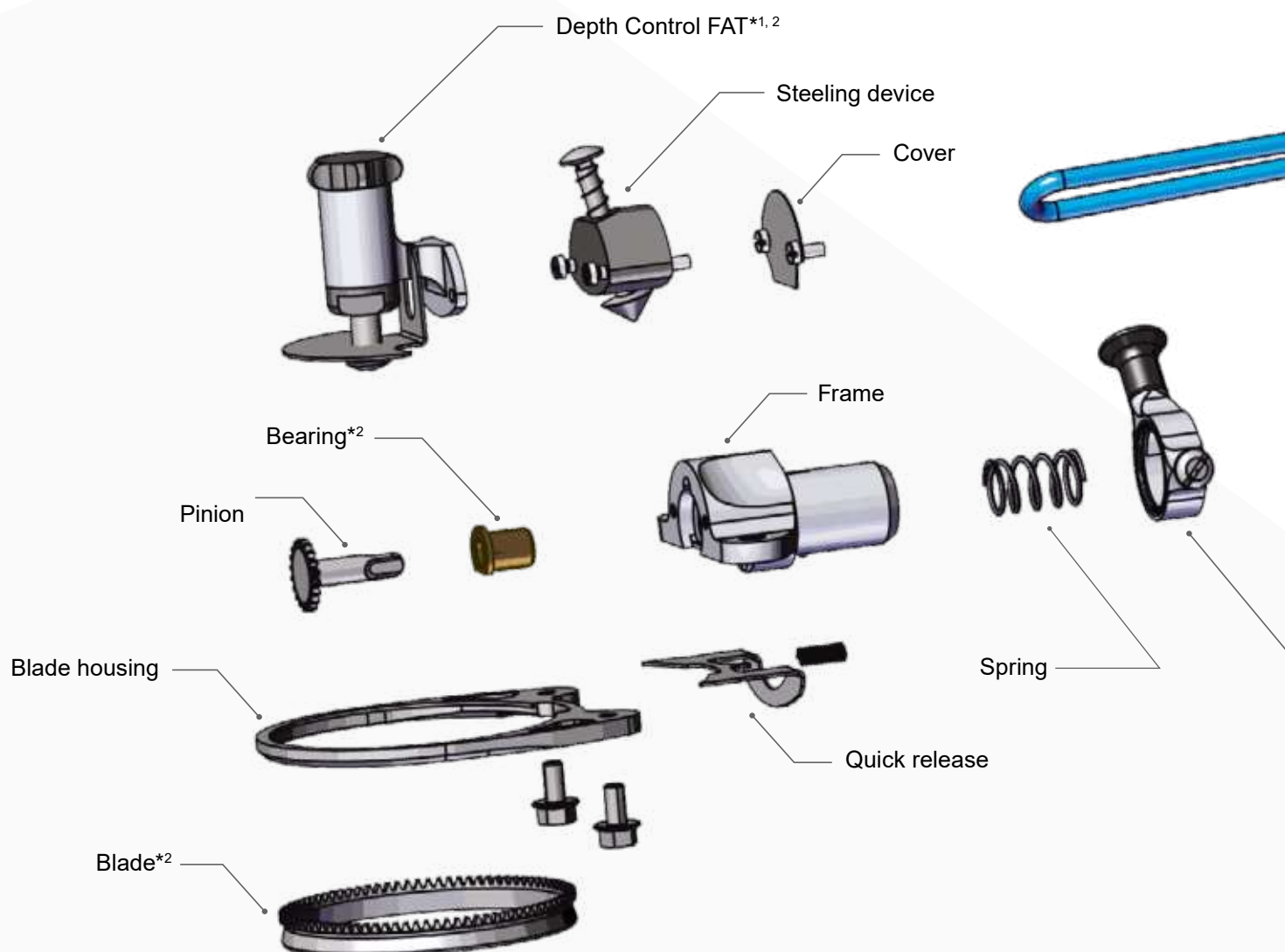
Ø (mm)	35	52	69	90	128
One hand switch cp	•	•	•	•	•
Frame	small	small	small	large	large
Bearing (plastic)	•	•	•	•	•
Pinion	small	small	small	large	large
Steeling device				•	•
Quick release	•	•	•	•	•
Handle ergonomic EM (middle)	•	•	•	•	•
Blade	A (straight)	A (straight)	A (straight)	C (45°) short	C (45°) short

OPTIONAL

Blade SCR16	•				
Blade SCR19	•				
Blade A (straight)	•	•	•	•	
Blade B (hook)	•	•		•	
Blade C (30°) flat					•
C (45°) short			•	•	•
C (45°) serrated			•	•	
Blade D (45°) long flat					•
Depth control				DCF/DCS	DCF/DCS
Hose adapter and hose bracket for vacuum hose	•	•			
Bearing (bronze)	•	•	•	•	•
Grease ring w/o grease bush	•	•	•	•	•
Thumb support (plastic)	•	•	•	•	•
Handle ergonomic ES (small)	•	•	•	•	•
Handle cylindric M (middle)	•	•	•	•	•
S (small)	•	•	•	•	•
Strap	•	•	•	•	•



TRIMMING

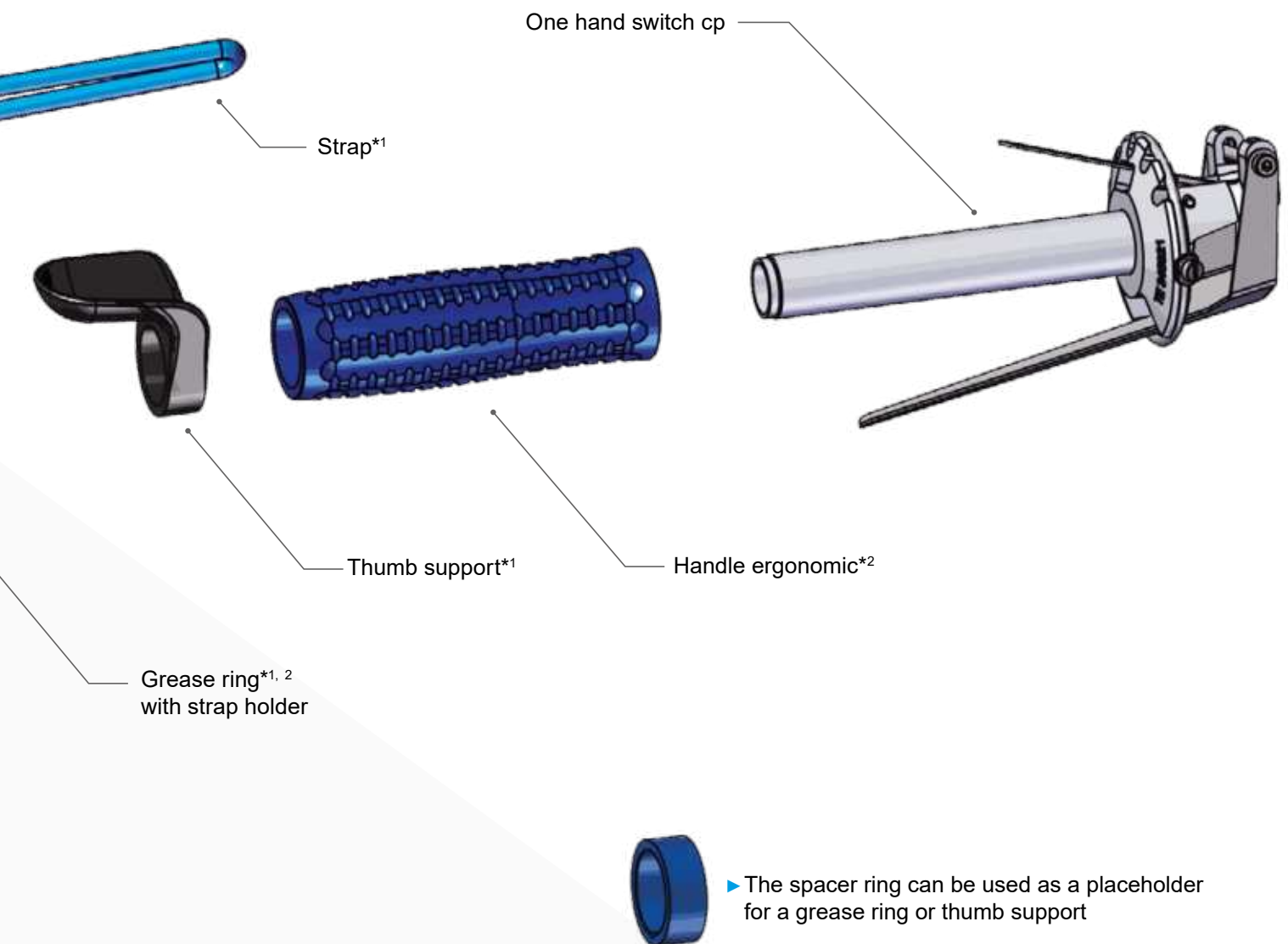


*1 optional / *2 available in various versions



Exploded views & spare parts
of Trimmer_evo3 / electric

VARIANT TRIMMER E90_evo3



*Figure shows one of the configuration options

TRIMMING

TRIMMING



- Engaging and disengaging the driveline:
 - ▶ faster
 - ▶ less complicated
 - ▶ to the highest safety standard



TRIMMER MOTOR

TM-E6000_evo3

ELECTRIC MOTOR

TM-E6000_evo3



- With up to 6000 rpm, all trimming operations are easier
- "Soft start" and "quick stop" of the rotating blade in conjunction with the rest position of the stainless steel handpiece holder for the highest safety standard
- 2-hand operation, maximum operator control/safety
- extremely robust and waterproof thanks to the completely closed aluminum housing
- The hygienic design allows for easy cleaning and problem-free use in wet/damp environments (e.g. in slaughterhouses, on deep-sea fishing frigates, etc.)
- EU standard technology - stable supply chains reduce the risk of delivery bottlenecks
- Available in 2 versions: 230V or 115V



TECHNICAL DATA

Weight (kg)	16,5
Revolutions (rpm)	up to 6000
Protection class	IP 65
Drive	electric, 1 phase
Power	550 watts (100Hz)/VA 0,5 hp (100Hz)/VA

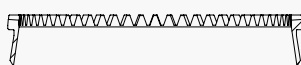
► NOTE:

Motor can only be used in conjunction with Trimmer_evo3

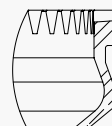
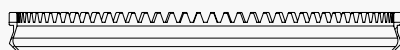
RING BLADE SELECTION



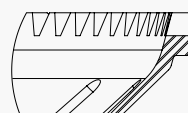
TYPE	Ø (MM)	35	52	69	90	128
A (straight)		•	•	•	•	
B (hook)		•	•		•	
C (30°) flat				•	•	
C (45°) short				•	•	•
C (45°) serrated				•	•	
D (30°) long flat						•



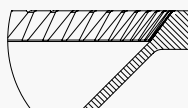
■ A (straight)



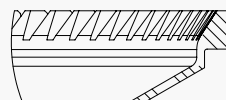
■ B (hook)



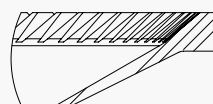
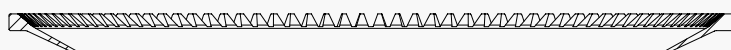
■ C (45°) serrated



■ C (45°) short



■ C (30°) flat



■ D (30°) long flat



▶ **NOTE:** Sharpening of suitable blades only with the TSM-E1 trimmer sharpener

APPLICATION



Ø (MM)	35	52	69	90	128
Deboning / cleaning					
Bones	A	A			
Heads	A	A	A / C	A	
Chicken thighs	A	A			
Ribs from belly	A				
Removal					
Cheeks			A / C	A	
Chicken breast		B		B	
Spinal cord		A / B			
Remaining skin			C	C	C
Veins and glands	A	A			
Pig eyes	A				
Pork fillet			A	A	
Lean meat from fat			C		C
Tuna				C	C
Degreasing / trimming					
Skins				C	C
Warm fat trimming				C	C
Hard fat trimming				B	D
Ham / shoulder / cutlet			C	B / C	C
Slicing					
Salmon	B		A / C		C
Gyros / doner kebab				C	C



Videos on maintenance & care

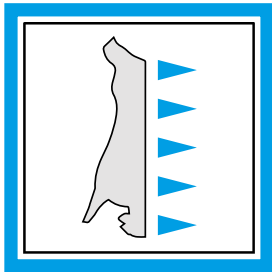
TRIMMER_evo3

SLAUGHTERING



VARIANTS WITH VACUUM SUCTION

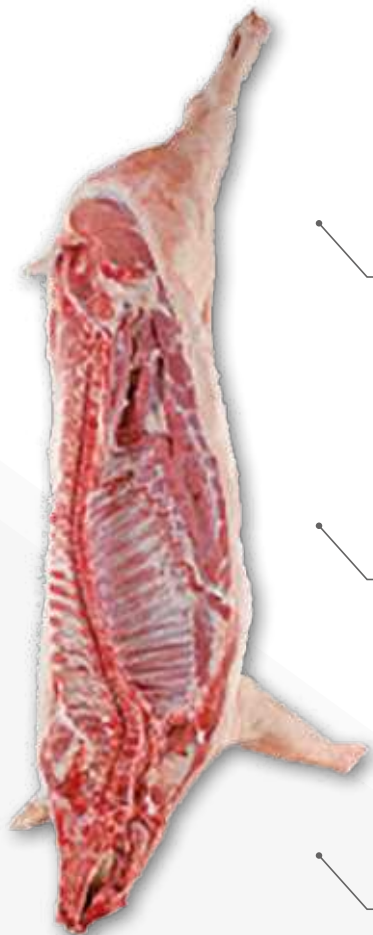
SLAUGHTERING



With the use of our FREUND trimmer variants with vacuum extraction the slaughtering in your plant will be even more profitable for you.

Often materials that should be removed remain in the carcass. With our FREUND trimmer variants with vacuum suction these can be removed and vacuumed away. Hugely increasing carcass yield.

Among other things, up to 0.5 kg of material can be removed from the carcass per half pig. For 1,000 pig halves, this amounts to up to 500 kg of material.



Fat and flare material
approx. 0.2 kg*

bloody material
approx. 0.2 kg*

tonsils and brains
approx. 0,1 kg*

*material to be removed from the carcass. Data per pig half.

TRIMMER_evo3 -

VARIANTS WITH VACUUM SUCTION

SLAUGHTERING



TRIMMER 35_evo3 -

VARIANT SCR SPINAL CORD REMOVER

- Ergonomic handle
- New flexible suction and delivery hose
- 2 ring blade sizes available:
 - ▶ SCR16 for pigs
 - ▶ SCR19 for cattle
- One-hand control with the latest start-stop system
- Suitable for right & left-handed users

TRIMMER 35_evo3 -

VARIANT WITH VACUUM SUCTION

- New flexible suction and delivery hose
- Ring blade types 35A or 35B for almost any application with vacuum suction
- One-hand control with the latest start-stop system
- Suitable for right & left-handed users



Videos zur
Wartung & Pflege

EFFICIENCY AND QUALITY

SLAUGHTERING



Elektromotor
TM-E6000_evo3

TRIMMER 52_evo3 -

VARIANT WITH VACUUM SUCTION

- New flexible suction and delivery hose
- Ring blade types 52A or 52B for almost any application with vacuum suction
- One-hand control with the latest start-stop system
- Suitable for right & left-handed users

VSS - VACUUM-SUCTION-SYSTEM*

- Vacuum tank: VT 110 incl. separator can
- Vacuum pump: VPSC300
- 5m each vacuum pump hose and handpiece hose
- Trolley: VSS



*available on request

MODULAR DESIGN

= Trimmer 35_evo3
variant SCR
spinal cord remover



+

= Trimmer 35_evo3
variant with
vacuum extraction



+



+



+



+

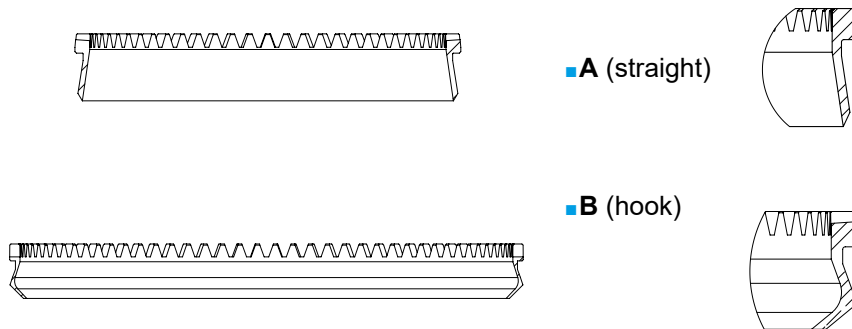
= Trimmer 52_evo3
variant with vacuum extraction



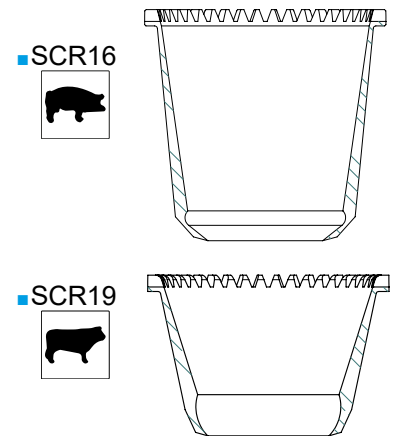
Exploded views & spare parts
of Trimmer_evo3 / electrical



RING BLADE SELECTION



FOR SPINAL CORD REMOVAL



APPLICATION

SLAUGHTERING	Ø 35 MM	Ø 52 MM	CUTTING	Ø 35 MM	Ø 52 MM
Trimming / vacuum suctioning tonsils in head	A 		Trimming / vacuum suctioning auricles	A 	
Trimming / vacuum suctioning spinal hole	A	A 	Trimming / vacuum suctioning eyes	A 	
Cleaning / vacuum suctioning carcasses	A 		Cleaning / vacuum suctioning bones	A 	
Trimming / vacuum suctioning cover fat	A 	B	Deboning / vacuum suctioning long bones	A 	
Trimming / vacuum suctioning chest fat	B		Removing tendons in the shoulder		B
Removing / trimming heart fat		B			
Trimming / vacuum suctioning spinal cord	B	B			
Trimming / vacuum suctioning blood vessels	B	A  / B			
Trimming / vacuum suctioning leaf lard	B	B			
Trimming / vacuum suctioning filets		B 			

TRIMMING

RING BLADES SHARPENING



*Figure: Standard variant with steeling device for blades Ø 69 -128mm

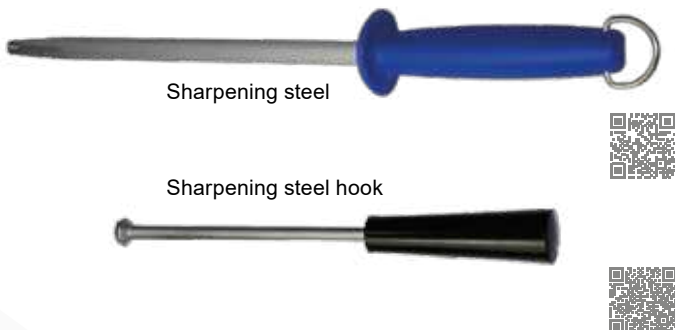


TSM-E1 - TRIMMER SHARPENING MACHINE

- Precise sharpening of suitable trimmer blades for all FREUND trimmers in all diameters
 - Quick clamp device in two different sizes enables rapid insertion of the trimmer blade with minimal installation effort
 - Spring-loaded deburring lever prevents contact being too forceful
 - Pre-coated precision grinding disc enables optimum sharpening results while, at the same time, ensuring the maximum service life for the grinding unit
 - Integrated overload display indicates potential overload
 - Compact aluminium housing with stable design
 - Drive with up to 8000 rpm
- OPTIONAL:
Steeling device for Ø 35 and 52 mm available

TECHNICAL DATA

	TSM-E1	SHARPENING STEEL	SHARPENING STEEL HOOK	SHARPENING STEEL FOR WORK TABLE
Length (mm)		248	190	160
Diameter (mm)		12,9	6,5	9,5
Weight (g)	1,380	0,344	0,092	0,270
Revolutions (rpm)	up to 8000			
Protection class	IP32			
Drive type	electrical, 1-phase			
Power	150 Watt (50Hz)			



SHARPENING STEEL / - HOOK

- Precision reshaping of trimmer blades of type A 35 / 52 / 69 mm and trimmer blades of type B, C and D 90 / 128 mm
- Significant improvement of surface thanks to fine removal of material from the blade
- Increased service life for trimmer blades thanks to improved surface
- Design made of resistant chrome/vanadium alloy tool steel



SHARPENING STEEL FOR WORK TABLE

- Precision reshaping of trimmer blades of type B, C and D 90 / 128 mm
- Significant improvement of surface thanks to fine removal of material from the blade
- Increased service life for trimmer blades thanks to improved surface
- Special design enables clamping in screwing device and attachment to work table
- Design made of hardened chrome/vanadium alloy cold work steel



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