

J W E B A N S S . D E

GENERAL CATALOG

INDUSTRY

FOR SATISFIED CUSTOMERS ALWAYS THE BEST SOLUTION

JWE-BANSS: Two brands – one company.

Our name stands for leading slaughtering and meat processing systems as well as storage and refrigerated transportation systems for pork and beef. We are committed to ensuring that all of our systems, regardless of the automation level, meet the highest standards in terms of hygiene, ergonomics, occupational health and safety, quality and animal welfare.

Efficiency ensures competitiveness:

Our customers know that systems from JWE-BANSS optimise investment costs and labour efficiency.

Knowledge advantage through partnership:

JWE-BANSS has been working closely with research and development institutions for many years. These partnerships ensure that the latest scientific findings are always being incorporated into our innovative system solutions.

In addition, maintaining close ties with our customers ensures that we are able to respond very quickly to changing user requirements and market conditions.

Global market leader:

JWE-BANSS is among the world's leading companies for slaughtering and meat processing systems. Satisfied customers around the globe attest to the outstanding quality of our products.

JWE-BANSS is listed in the lexicon of international market leaders from Germany and holds the official world market leader seal.

CONTENTS

Introduction	5
The JWE-BANSS principle	6
Introduction – pig	8
Stunning	12
Scalding	32
Dehairing	42
Scalding and dehairing	60
Cleaning	76
Introduction – cattle	94
Stunning	96
Skinning	102
Conveyor systems	104

Is all of this too big for you?

JWE-BANSS also offers non-industrial system solutions.

Please see our general catalog for tradespeople.



CATALOG FOR HANDICRAFT

jwebanss.de/download/general-catalog-handicraft/



”

JWE-BANSS IS A COMPANY WITH DIFFERENT ROOTS,
BUT SHARED GENES: INNOVATIVENESS, CUSTOMER ORIENTATION
AND COMMITMENT TO QUALITY.

Nicole Weiß, Jürgen Weiß
Company Management

EVEN BETTER TOGETHER

JWE and BANSS are two renowned brands known around the world in the field of slaughtering and meat processing systems. We have been operating side by side since 2019. At the beginning of 2022, we merged the two companies, creating the joint entity JWE-BANSS GmbH.

While the predecessor companies have different roots – BANSS originated in 1848 as a craft enterprise in Biedenkopf/Hesse, JWE in 1996 as a commercial enterprise in Aalen/Baden-Württemberg – we share the same genes: Innovativeness, customer orientation, commitment to quality and, above all, highly motivated employees with outstanding technical expertise. Thanks to these strengths and the synergy effects of the merger, JWE-BANSS is positioned to offer an individually customised system solution to any customer around the world today – from large industrial enterprises to craft producers.

What can we do for you?
We look forward to hearing from you.

Jürgen Weiß, Nicole Weiß
Managing partners

THE JWE-BANSS- PRINCIPLE



RESPECT

Respect

Animal welfare

All slaughtering technologies developed by JWE-BANSS aim to minimise stress and physical strain for the animals.

Traditions, cultures, religions

JWE-BANSS offers slaughtering systems tailored to the needs of every culture group and to meet all religious and traditional requirements. Stunning boxes from JWE-BANSS are halal certified.

RESPON-
SIBILITY



BENEFITS

Benefits

JWE-BANSS advantages

Excellent pre-sales service:

Every system is a perfect fit thanks to customer-specific planning, development and fabrication.

Highest manufacturing quality:

Our systems are designed for a long service life with unchanging quality.

Leading technology:

We offer innovative solutions through cooperation with scientific research and development institutions.

Excellent after-sales service:

We ensure rapid troubleshooting or replacement part deliveries, and handle modifications of existing systems.

Know-how transfer:

We offer support for the preparation of investment plans.

All-in solutions:

We realise turnkey slaughtering and meat processing systems on request.

Long-term partnership:

As our customers grow, we make sure the systems grow along with them. In numerous cases since many years.

Responsibility

Outstanding hygiene

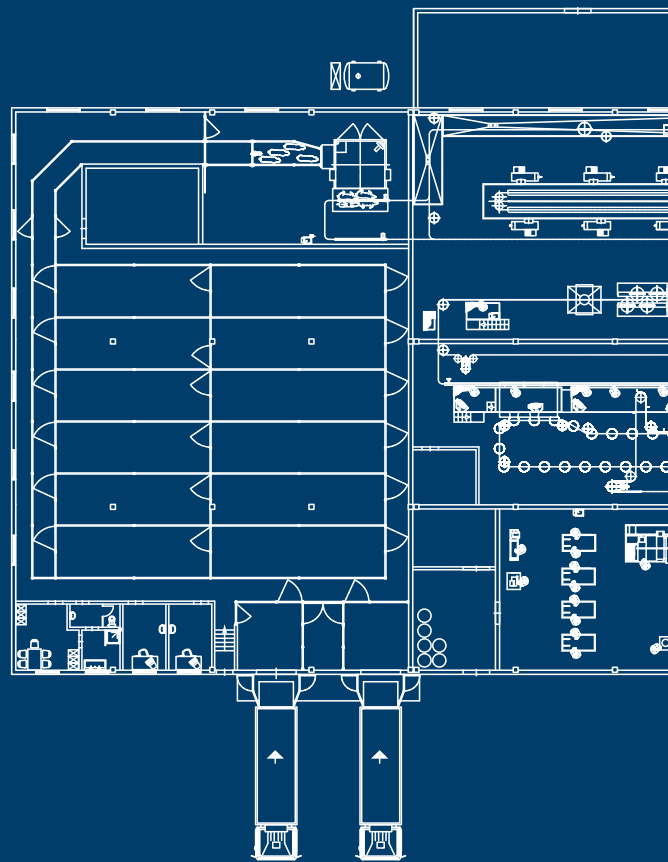
Hygiene plays an extremely important role in food production. That is why our systems are designed and built to support the best possible product quality with ultimate hygiene in the entire work process.

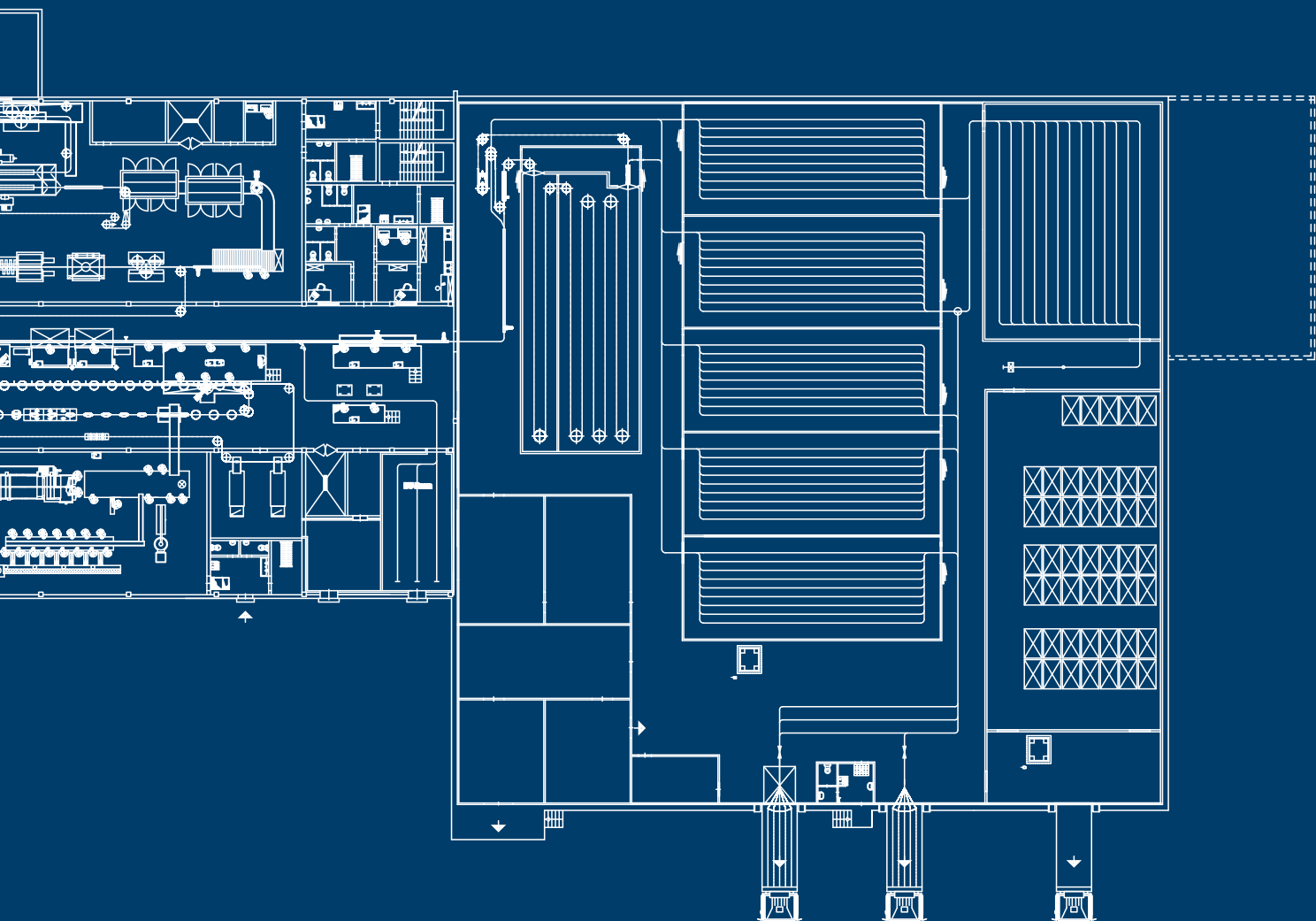
Safety in the workplace

To protect the health of your personnel, we pay close attention to ergonomic operation and all relevant safety aspects with our systems.

COMPLETE PLANTS SYSTEMS

JWE-BANSS plans and delivers complete slaughtering systems for pork and beef worldwide. Based on many years of experience, we realise customer-specific solutions, both for complete plants and for individual machines or components. The quality and reliability of our products is number one for us.





EVERYTHING FOR PIG

JWE-BANSS designs, constructs and fabricates complete machines and systems engineering for slaughtering pigs – individually adapted to customer needs and as complete, turnkey system solutions on request.

As a globally operating company with decades of experience, we are familiar with all specific requirements that need to be considered in the planning of modern pig slaughtering lines. Therefore, our systems – regardless of the automation level – meet all requirements with regard to animal welfare, hygiene, ergonomics, occupational health and safety and environmental protection.

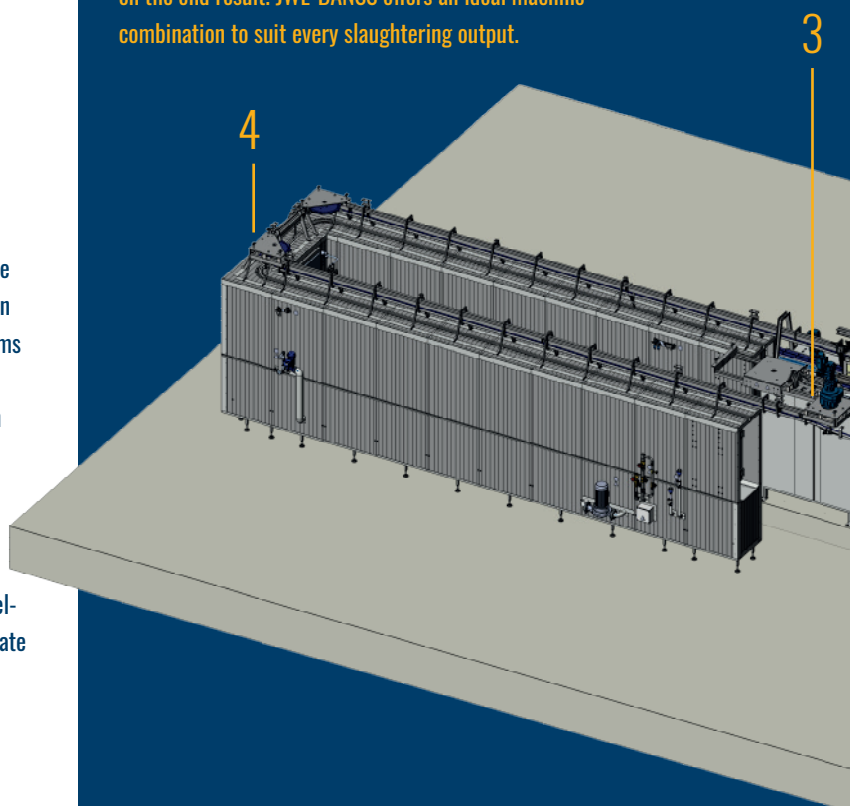
We work with great care on the quality of our products, designing them for a long service life and the greatest possible reliability.

Since JWE-BANSS has been working closely with research and development institutions for many years, we are always able to incorporate the latest scientific findings into innovative system solutions.

4. Scalding and dehairing

The end result of scalding and dehairing is largely influenced by the scalding procedure and selected dehairing machine.

The scalding time, temperature of the scalding water, seasonal factors and the race of the pig also have an effect on the end result. JWE-BANSS offers an ideal machine combination to suit every slaughtering output.



6. Slaughtering line (not on the illustration)

JWE-BANSS has various methods of designing workstations and veterinary inspection in an ergonomic and efficient manner. We can deliver a wide range of solutions for the removal of white and red organs, separating and sawing, lifting platforms, veterinary inspection, trimming and the transportation of by-products.

7. Cooling, dismantling and dispatch (not on the illustration)

JWE-Baumann offers different conveying devices which can be adapted to suit the logistical requirements of the customers.

3. Pre-Cleaning

For best efficiency of the scalding process, the carcasses are cleaned with our washing machines.

2

2. Bleeding

JWE-BANSS supplies components such as horizontal bleeding tables, elevators, blood collection systems and blood processing systems for bleeding the animals. These components ensure highly effective bleeding and reduce the danger of contamination to an absolute minimum.

1

1. Stunning

We offer various devices for stunning the animals. These can be adjusted to suit the hourly output required. This product range includes stunning boxes, Restainer and fully-automatic stunning system SOMNIA.

4

5. Cleaning

In order to ensure that the carcasses meet the highest possible quality and hygiene standards, machines such as drying and whipping machines, singer furnaces and cleaning and washing systems can be installed (optionally). JWE-BANSS offers a very diverse range of machinery in this area.

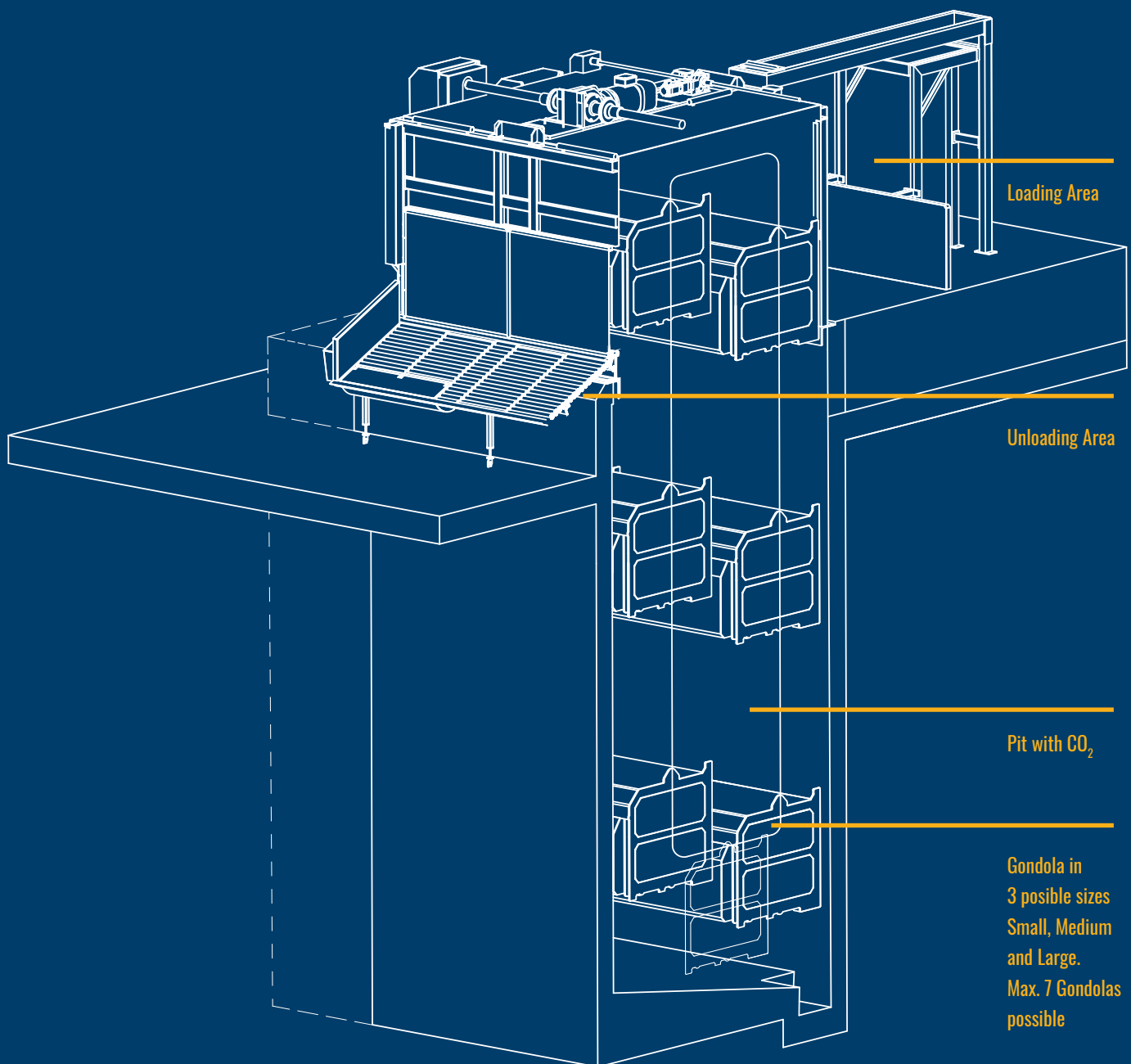
5

ST

STUNNING

SOMNIA

ADVANTAGES, SYSTEM, DESIGN... THE CONCEPT

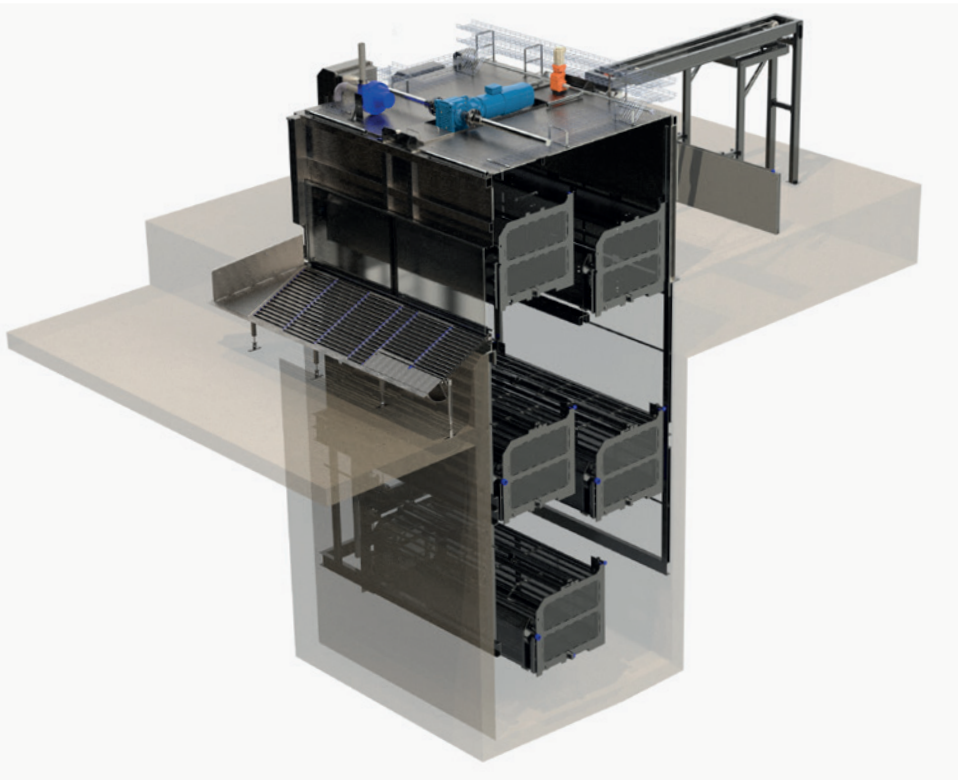


The JWE-BANSS Somnia is a CO₂ group stunning system developed with maximum consideration for animal welfare by gentle handling of the animals, utilizing the pigs' natural curiosity and handling the pigs in groups. The concept is to have as little human contact with the pigs as possible so stress is minimized.

Behind JWE-BanSS Animal Welfare are years of experience with CO₂ stunning. We believe that this is the most efficient way to handle group pig stunning, on the market today which benefits both animal welfare and meat quality. In other words the system provides sustainable pig handling and stunning - both ethically and economically.

The CO₂ stunning system's intended use, is for simple stunning of pigs and includes an automatic driveway system, which can start already at the lairage/holding pens. The driveway handling system is mechanical and designed to encourage forward movement of the pigs in groups up to the stunning area.

Once the pigs are inside the Stunner, they are lowered into a high CO₂ atmosphere and quickly lose consciousness. After an adequate amount of time in the CO₂, they are unloaded from the stunner ready for shackling and sticking.



Animal Welfare Advantages

- Low stress levels
- Less noise
- Less skin damage and bruising
- Elimination of electrical prodders

Business Advantages

- Better meat quality i.e. low DL & PSE
- Less labour requirement with minimal handling
- Ethical sustainability
- Meet consumer expectations

Control System key features

One user friendly operating panel with intuitive touch screen:

- All operations can be controlled from one place allowing effective operation and control of the system
- Feedback from the system, which aids operator decisions

Main control cabinet installed on the Stunner:

- Eliminates the need for a separate control room with expensive cooling system
- High durability due to shorter cable lengths
- Data extraction possible for veterinarians, authorities, company statistics etc.
- Facilitates servicing and trouble shooting

Maintenance key features

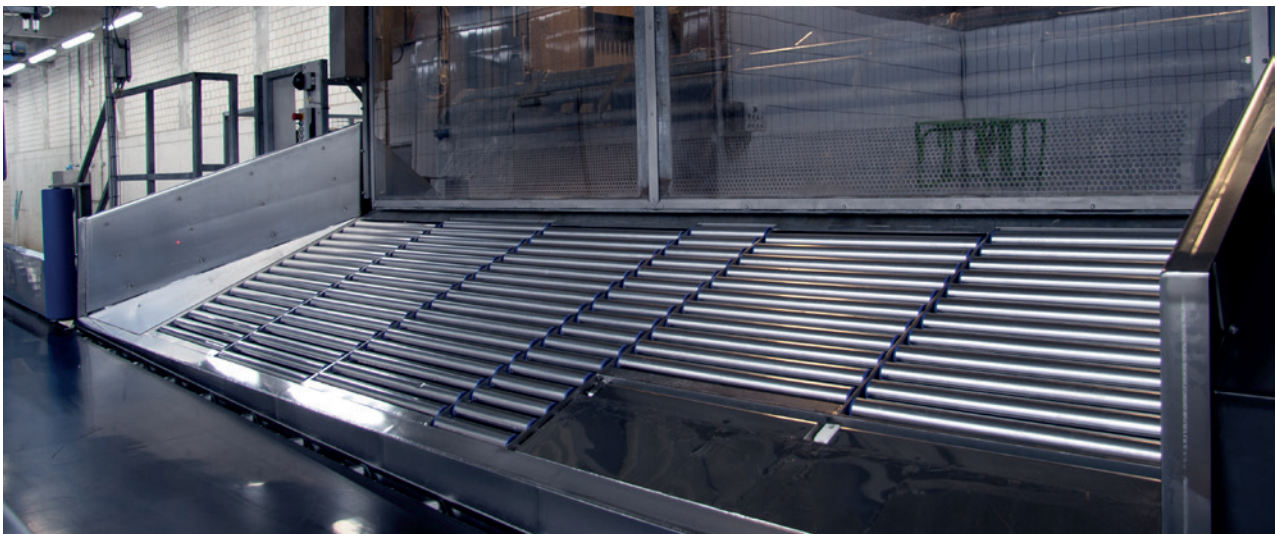
- Motors, sensors, cylinders and valves are mounted externally for easy access
- Easy handling of Gondolas during maintenance (mounting/removing)
- Central lubrication system provided, minimizing wear and tear of vital parts

SOMNIA

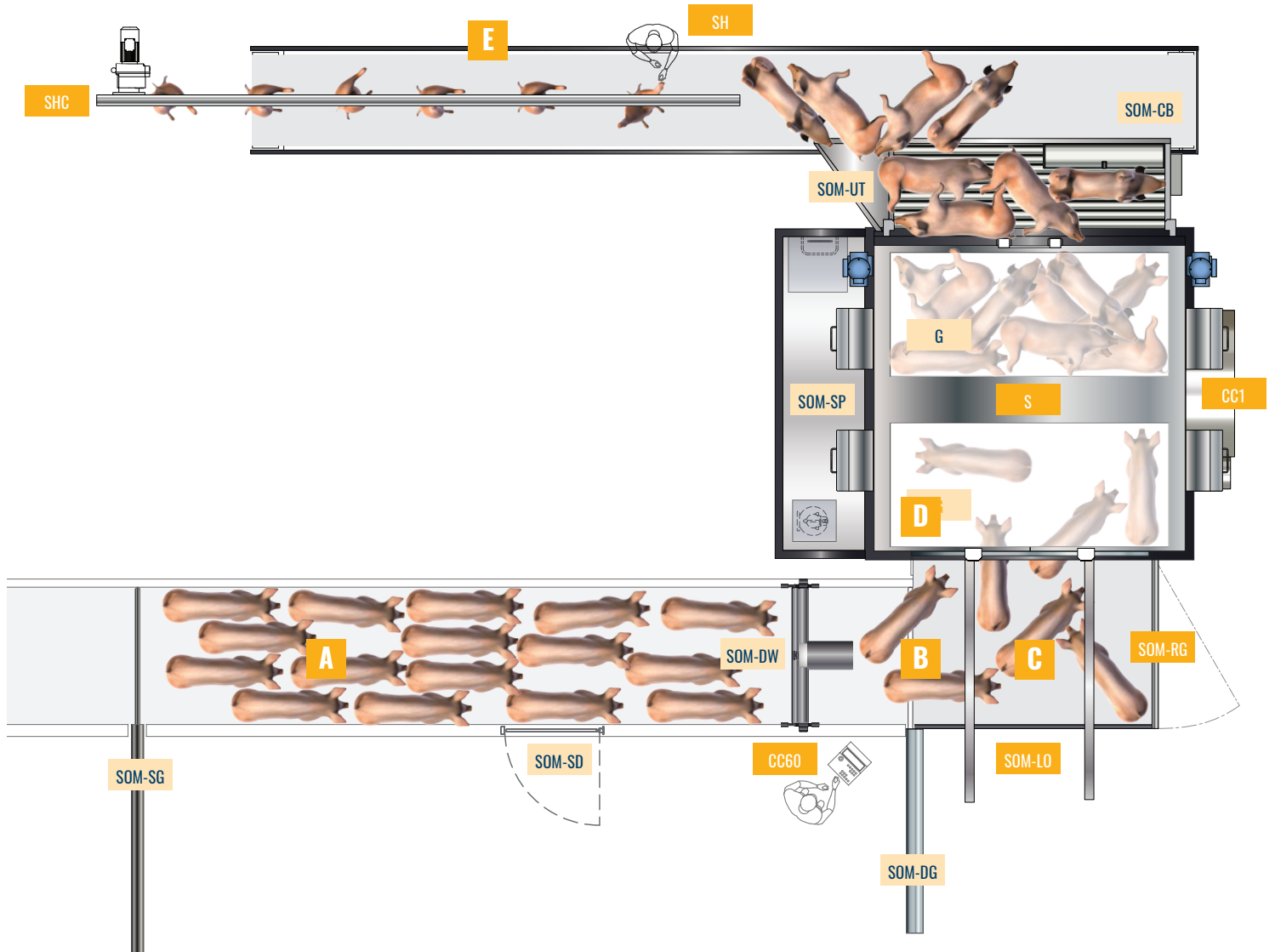
STUNNING SYSTEM

Highlights

- Best Gondola floor space on the market
- All operations carried out from one place using a very intuitive operating panel
- External parts provide easy maintenance and adjustment access
- Main control cabinet mounted on stunner eliminating the need for a separate control room with expensive cooling system
- The handling system drives pigs in groups without personnel contact which allows for calmer handling
- The incline towards the Somnia stunner keeps the pigs moving naturally forward instead of turning around and prolonging driving
- Pressure sensitive Drive Wagons refrain from putting unnecessary pressure on the pigs



LAYOUT OHNE VORLADER



A

Driveway Area:

- SOM-DW Drive Wagon
- SOM-SD Service Door
- SOM-SG Section Gate

B

Driveway Area:

- SOM-DG Dividing Gate:
 - Horizontal Dividing Gate
 - Vertical Dividing Gate
 - 2-Step Dividing Gate
- CC60 Operating Panel

C

Loading Area:

- SOM-LO Loader
- SOM-RP Rescue Pen Gate

D

Stunning Area:

- S Somnia
- CC1 Main Control Cabinet
- G Gondola
- SOM-UT Unloading Table
- SOM-SP Service Pit

E

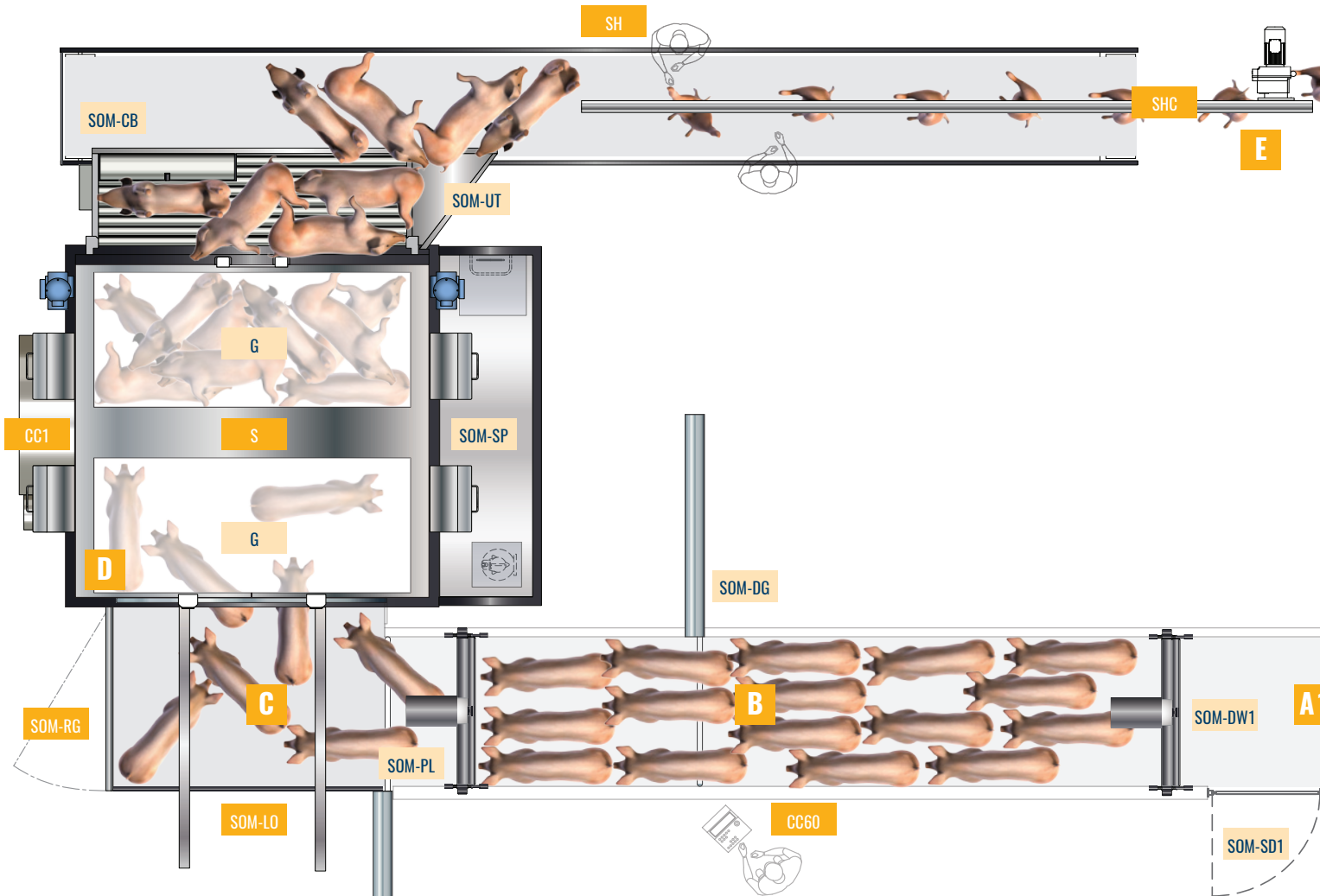
Shackling Area:

- SOM-CB Conveyor Belt
- SH Shackler
- SHC Shackling Conveyor

- Mandatory
- Options/Variants

SOMNIA

LAYOUT WITH PRELOADER



A

Driveway Area:

- SOM-PG Pen Gate
- SOM-DW Drive Wagon
- SOM-SD Service Door
- SOM-SG Section Gate

B

Driveway Area:

- SOM-DG Dividing Gate:
 - Horizontal Dividing Gate
 - Vertical Dividing Gate
 - 2-Step Dividing Gate
- CC60 Operating Panel

C

Loading Area:

- SOM-LO Loader
- SOM-RG Rescue Pen gate
- SOM-PL Pre-loader
- (Pre-loader Section Gate & Pre-loader Wagon)

D

Stunning Area:

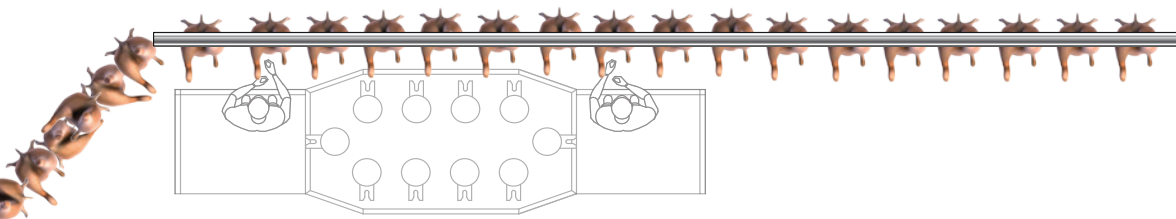
- S Somnia
- CC1 Main Control Cabinet
- G Gondola
- SOM-UT Unloading Table
- SOM-SP Service Pit

E

Shackling and bleeding area:

- SOM-CB Conveyor Belt
- SH Shackler
- SHC Shackling Conveyor
- ST Sticker

- Mandatory
- Options/Variants



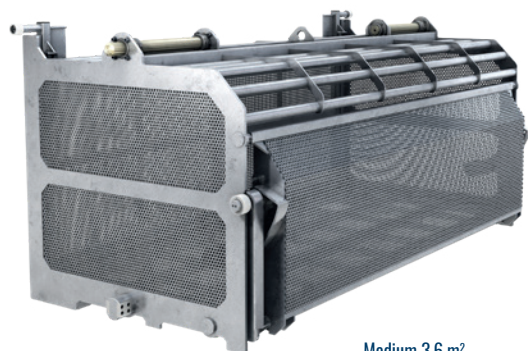
SOMNIA

CONFIGURATION, CAPACITY, AREAS...

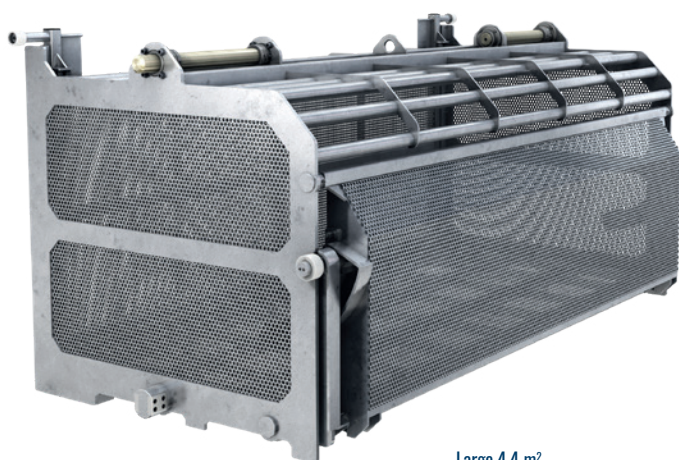
No.	Type	Gondolas	Gondola size	Area of Gondola m ²	Pigs in Gondola (@100 kg)	Pigs/hour	* Maximum Nominal Capacity kg / Gondola (EC reg.)	Stunning time (sec) (CO ₂ exposure))
7025000001	SOMNIA S1M	1	Medium	3,6	8	160	846	140
7025000009	SOMNIA S2M	2	Medium	3,6	8	320	846	140
7025000002	SOMNIA S4M	4	Medium	3,6	8	410	846	140
7025000003	SOMNIA S5M	5	Medium	3,6	8	620	846	140
7025000004	SOMNIA S5L	5	Large	4,4	10	720	1.034	140
7025000005	SOMNIA S6M	6	Medium	3,6	8	820	846	140
7025000006	SOMNIA S6L	6	Large	4,4	10	960	1.034	140
7025000007	SOMNIA S7M	7	Medium	3,6	8	960	846	160
7025000008	SOMNIA S7L	7	Large	4,4	10	1.200	1.034	160

*Nominal capacities are dependent on animal and humans performing at 100 % efficiency, 100 % of the time. Variations will inevitably occur and thereby the nominal capacity will only be held periodically. Practical capacities will, therefore be approximately 10-15 % less than nominal capacities. EU-Factor: Recommended space in stunning gondola: 235 kg/m²

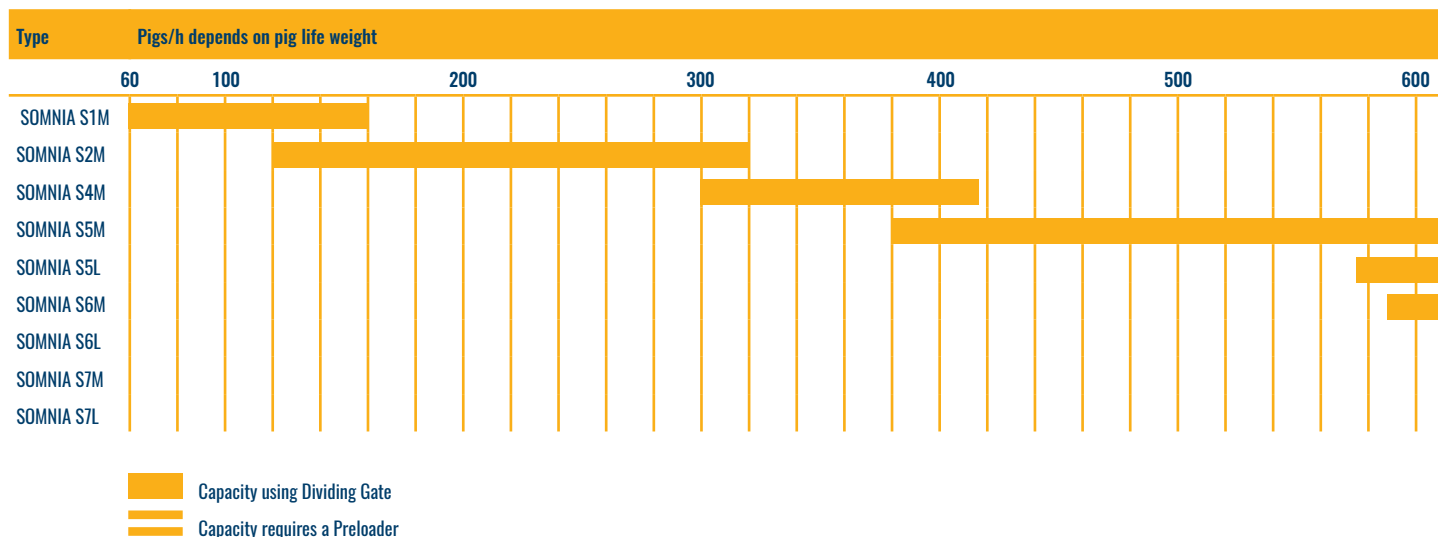
Expanding from smaller capacity systems to higher capacity, is easily done by adding more gondolas in the same size as your existing SOMNIA Stunner.



Medium 3,6 m²



Large 4,4 m²





700

800

900

1,000

1,100

1,200

SOMNIA

SIZE, SUPPLY REQUIREMENTS...

Supply requirements & internal Pit measurements for Somnia 1-7

Power:
3 x 400 V 50 Hz 80 Amp. Other voltages and frequencies are available on request.

CO₂ temperature:
20-25 °C

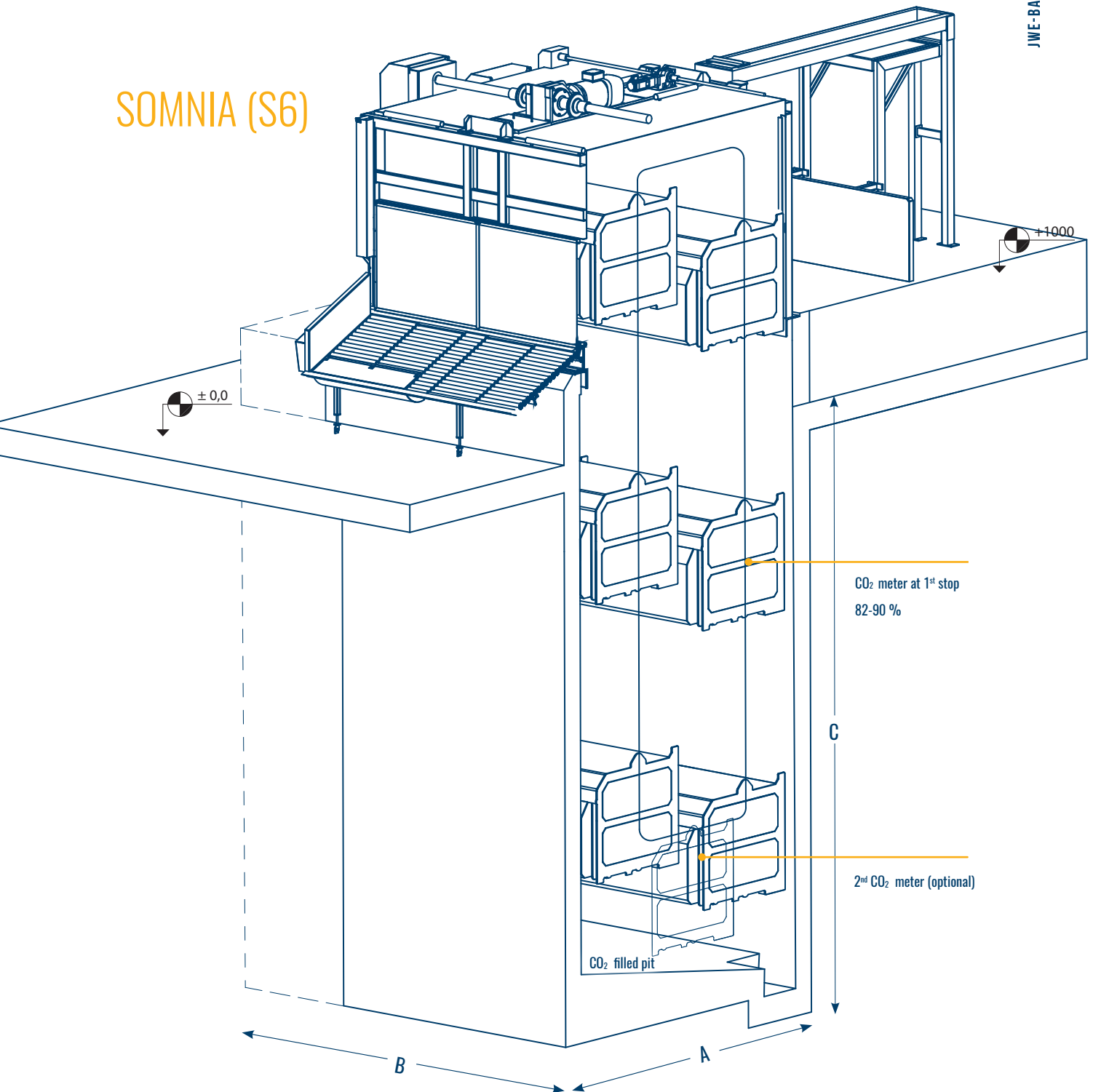
Air:
7-10 Bar

CO₂ Quality:
99,8 % purity - H₂O <100 ppm, CO <10 ppm,
(technical quality according to EN 14175)

Type	Gondola size		Large	Medium
S1 & S2	Width mm	A		1,740*
	Lenght mm	B		4,440*
	Depth mm	C		3,200*
	CO ₂ supply to fill pit in 30 min at production start			100 kg/h (per pit)
S4	Width mm	A		3,480
	Lenght mm	B		4,440
	Depth mm	C		3,800
	CO ₂ supply to fill pit in 30 min at production start			290 kg/h
S5	Width mm	A	3,480	3,480
	Lenght mm	B	5,800	4,440
	Depth mm	C	5,300	5,300
	CO ₂ supply to fill pit in 30 min at production start			430 kg/h 290 kg/h
S6	Width mm	A	3,480	3,480
	Lenght mm	B	5,800	4,440
	Depth mm	C	6,800	6,800
	CO ₂ supply to fill pit in 30 min at production start			540 kg/h 470 kg/h
S7	Width mm	A	3,480	3,480
	Lenght mm	B	5,800	4,440
	Depth mm	C	8,300	8,300
	CO ₂ supply to fill pit in 30 min at production start			670 kg/h 560 kg/h

* S2 = 2 pits. Please Note: Measurements are estimates only - NOT for construction. Power, Air and CO₂ values are supply values - not consumption.

SOMNIA (S6)

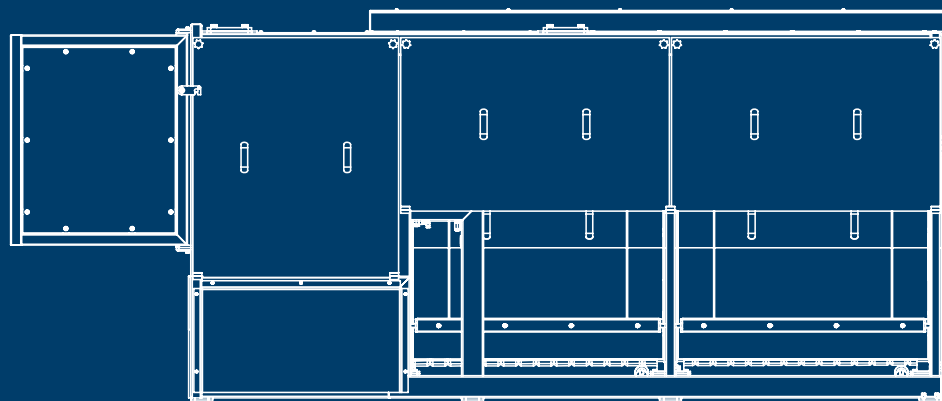
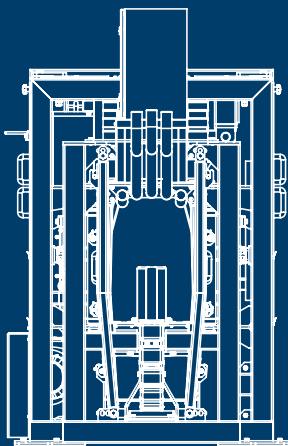


The illustration shows a pit filled with CO₂ and the two measuring points. The CO₂ concentration will always be higher at the bottom of the pit. The standard supply has one CO₂ meter set to measure the CO₂ concentration at pigs snout level where the Gondola has it's first stop i.e. when the Gondola above stops to load the next batch of pigs.

An optional second meter can also be supplied and is used to measure the CO₂ concentration at the bottom of the pit, also at snout level. An acoustic & visual alarm is activated if the CO₂ % falls (Typically) 5 % below the set point.

SRS-200

RESTRAINER



Tension module:

- Hygienic frame construction of sheet metal and profile parts, stainless steel 1.4301
- 2 width-adjustable plastic doors on both sides for animal-friendly guidance
- Jump-on tubes made of stainless steel 1.4301
- Low-maintenance and easily accessible tensioning system for bush conveyor chain
- Animal-friendly inlet geometry

Transport module:

- Hygienic frame construction made of sheet metal and profile parts, stainless steel 1.4301
- 2 width-adjustable plastic doors on both sides for animal-friendly guidance
- Bush conveyor chain with 182 seat cushions for animal support
- Jump-on tubes made of stainless steel 1.4301

Drive module:

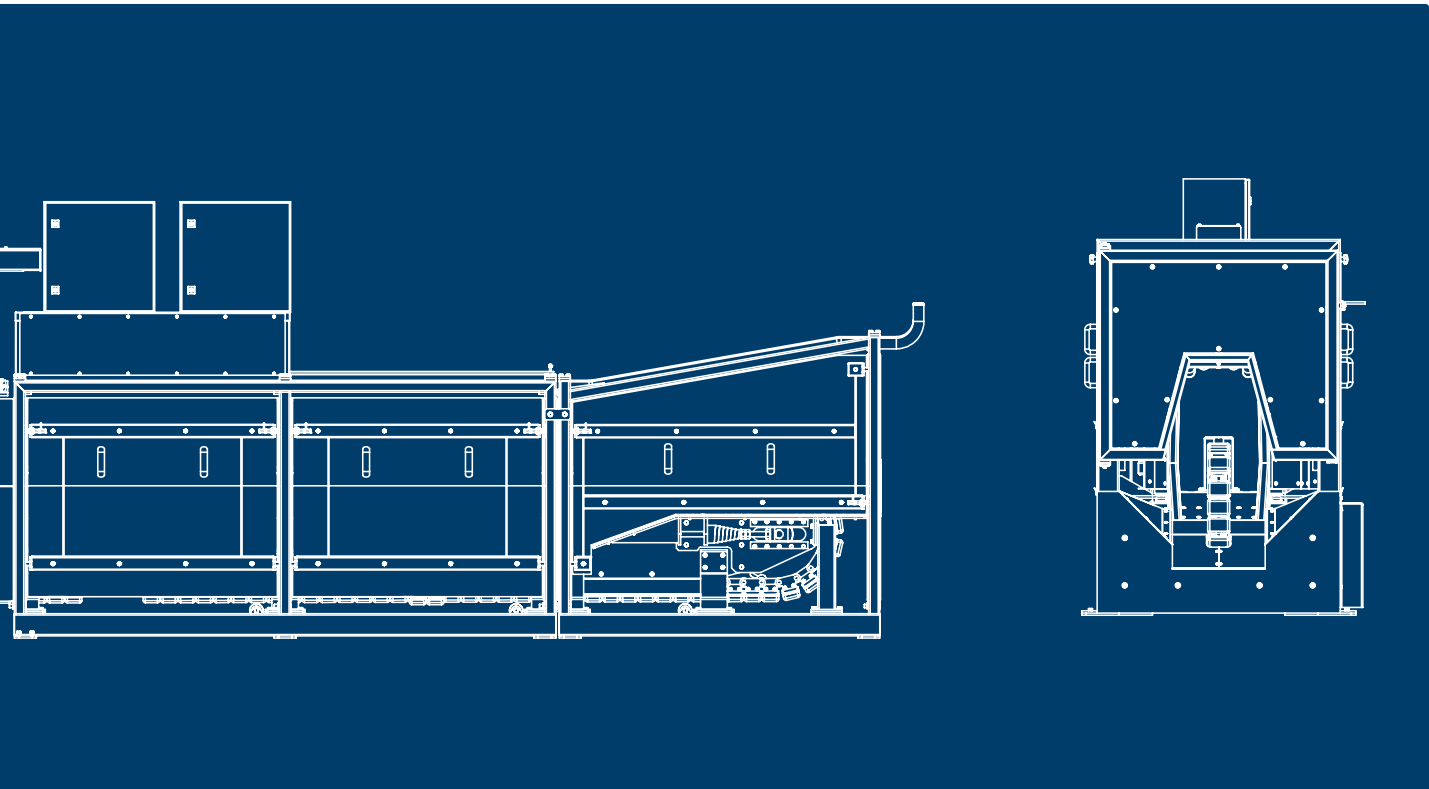
- Hygienic frame construction made of sheet metal and profile parts, stainless steel 1.4301
- 2 width-adjustable plastic doors on both sides for animal-friendly guidance
- Jump-on tubes made of stainless steel 1.4301
- 2 maintenance doors on both sides, made of stainless steel, to reach the stunning components
- Robust and easily accessible drive construction
- Automated stunning module with head and heart electrodes

Stunning module:

- Hygienic frame construction made of sheet metal and profile parts, stainless steel 1.4301
- Innovative animal body detection for best heart-brain stunning
- Retaining flaps for individual adjustment of ejection orientation
- Head and heart electrodes can be individually controlled
- Stunning transformers included
- Robust guidance of the traversing carriage
- Completely insulated

No.	Type	Pigs/h*	Max. slaughter weight	Min. slaughter weight
7020100002	SRS-200 – RESTRAINER	500	350 kg	50 kg

*max. live weight of 200 kg

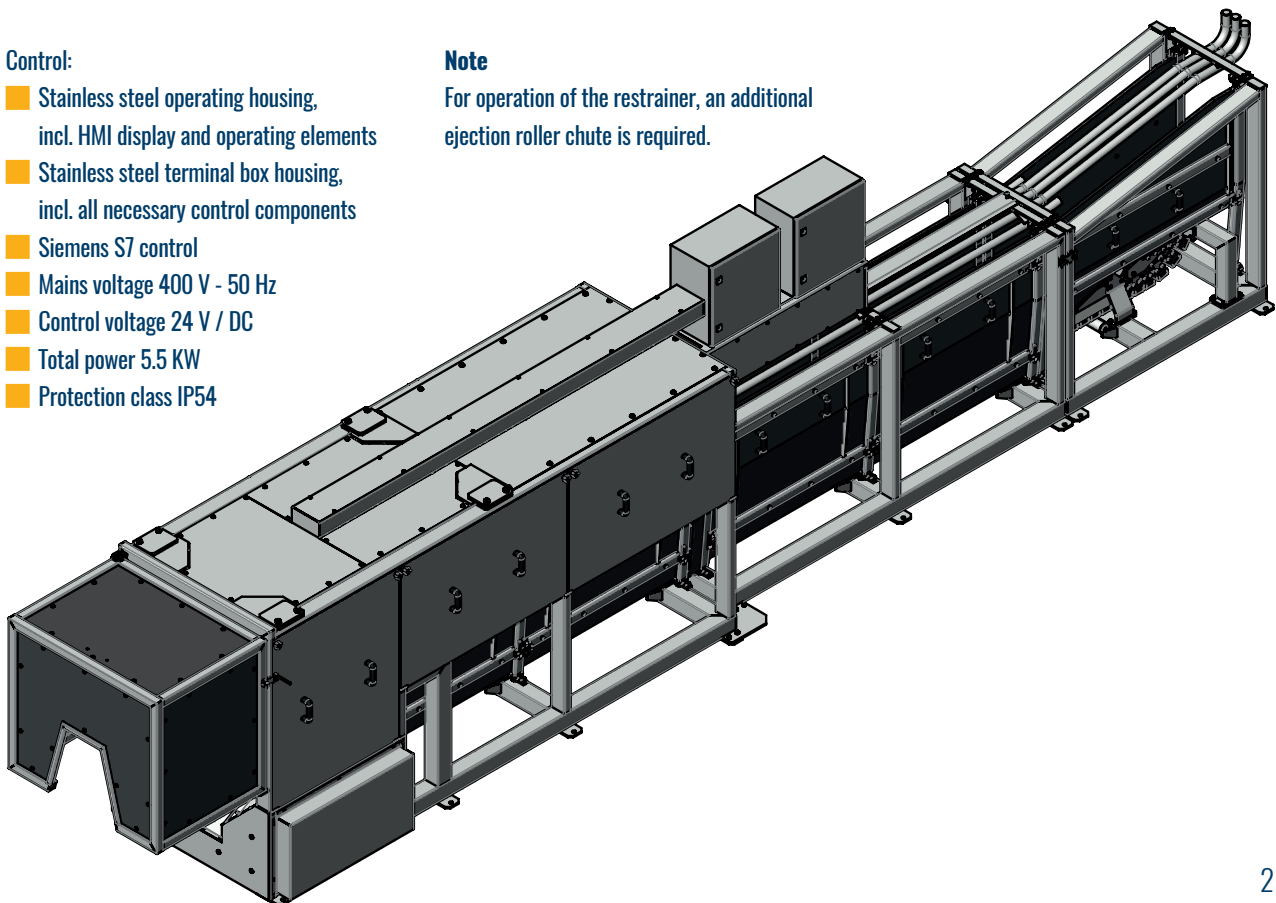


Control:

- Stainless steel operating housing, incl. HMI display and operating elements
- Stainless steel terminal box housing, incl. all necessary control components
- Siemens S7 control
- Mains voltage 400 V - 50 Hz
- Control voltage 24 V / DC
- Total power 5.5 KW
- Protection class IP54

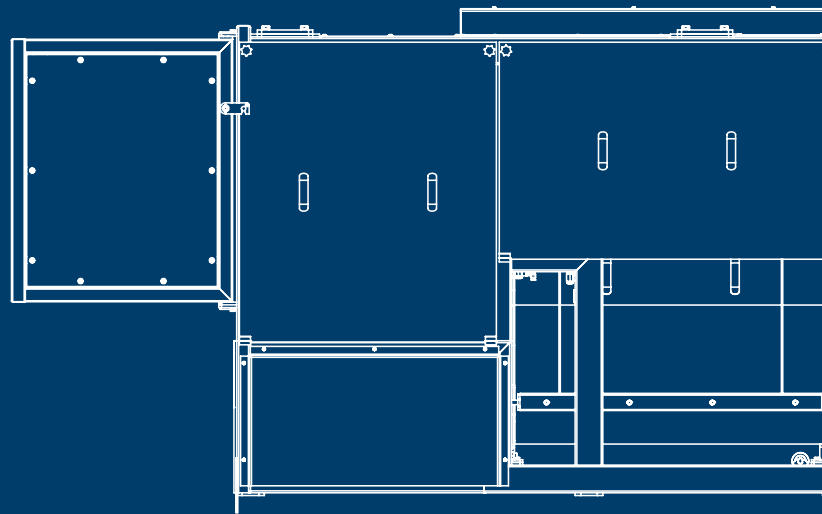
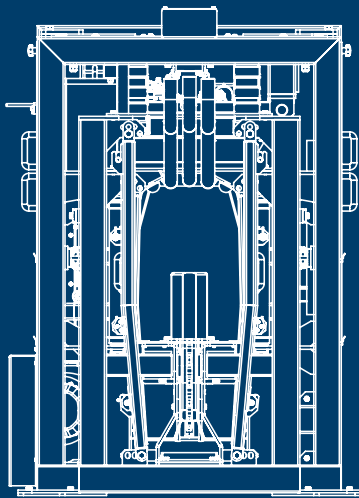
Note

For operation of the restrainer, an additional ejection roller chute is required.



SRS-100

RESTRAINER



Tension module:

- Hygienic frame construction of sheet metal and profile parts, stainless steel 1.4301
- 2 width-adjustable plastic doors on both sides for animal-friendly guidance
- Jump-on tubes made of stainless steel 1.4301
- Low-maintenance and easily accessible tensioning system for bush conveyor chain
- Animal-friendly inlet geometry

Drive module:

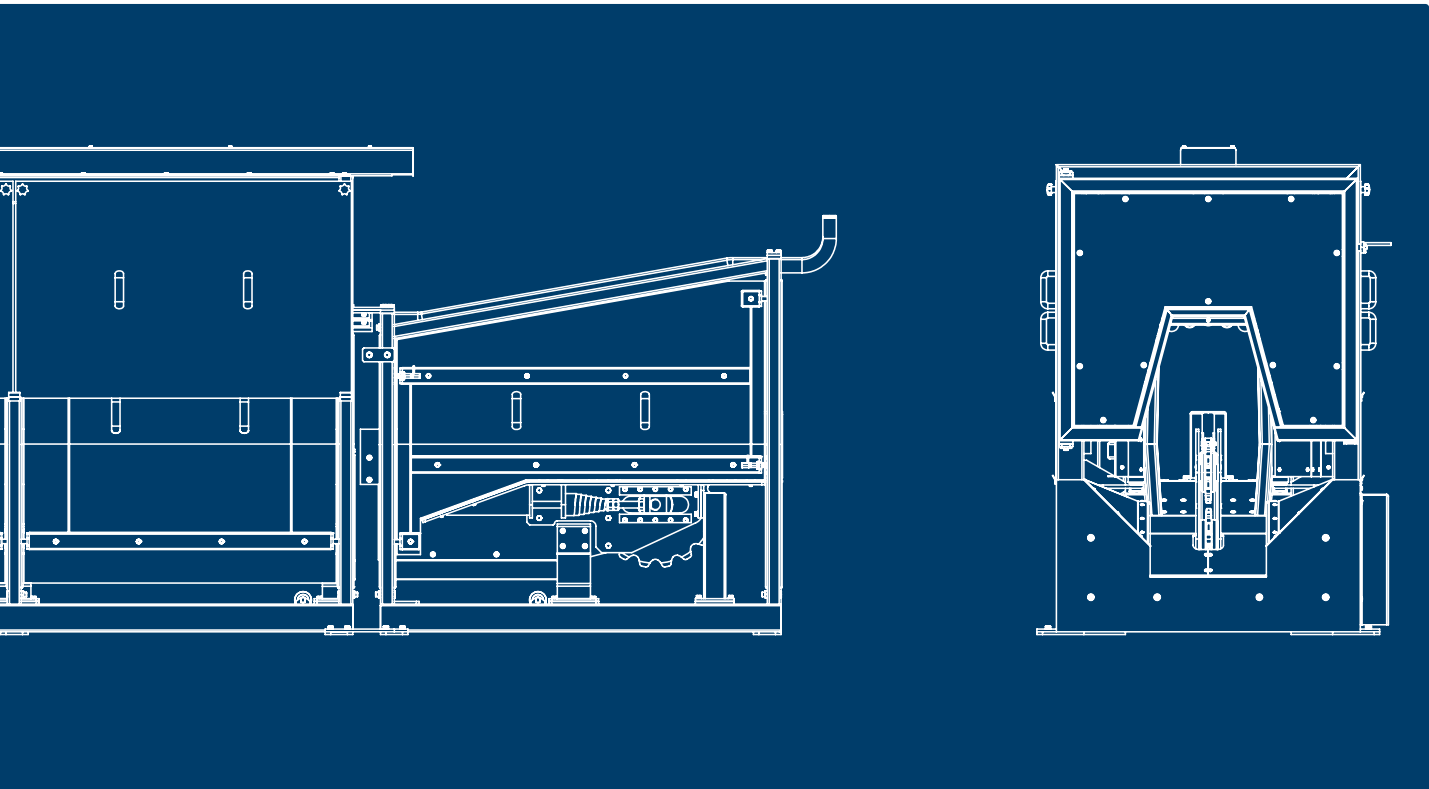
- Hygienic frame construction made of sheet metal and profile parts, stainless steel 1.4301
- 2 width-adjustable plastic doors on both sides for animal-friendly guidance
- Jump-on tubes made of stainless steel 1.4301
- 2 maintenance doors on both sides, made of stainless steel, for reaching the stunning components
- Robust and easily accessible drive construction
- Automated stunning module with head and heart electrodes

Stunning module:

- Hygienic frame construction made of sheet metal and profile parts, stainless steel 1.4301
- Innovative animal body detection for best heart-brain stunning
- Retaining flaps for individual adjustment of ejection orientation
- Head and heart electrodes can be individually controlled
- Stunning transformers included
- Robust guidance of the traversing carriage
- Completely insulated

No.	Type	Pigs/h*	Max. slaughter weight	Min. slaughter weight
7020100001	SRS-100 – RESTRAINER	300	350 kg	50 kg

*max. live weight of 200 kg

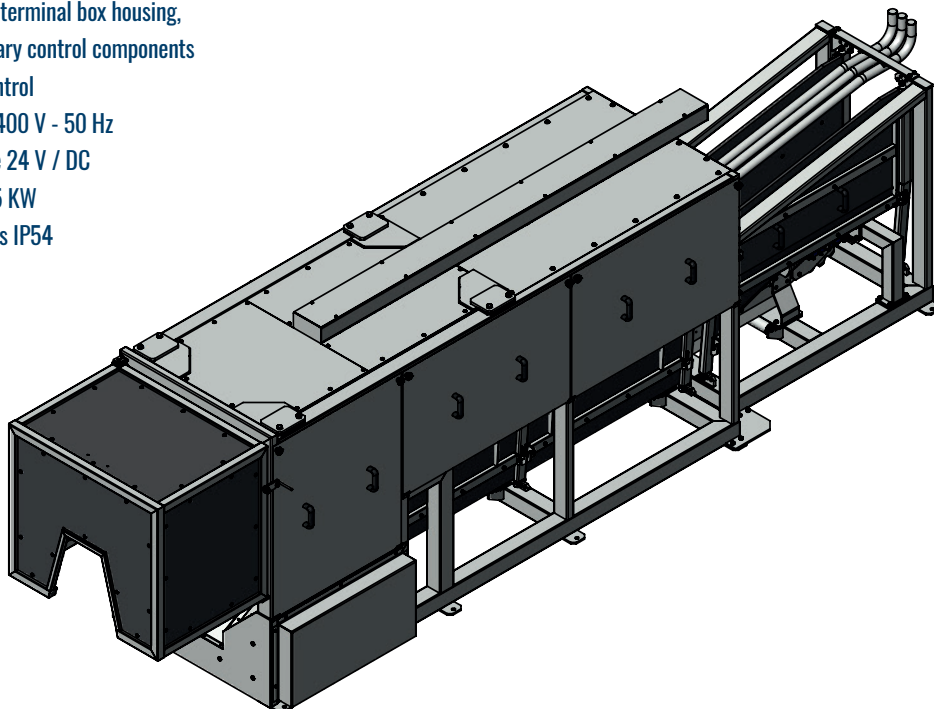


Control:

- Stainless steel operating housing,
incl. HMI display and operating elements
- Stainless steel terminal box housing,
incl. all necessary control components
- Siemens S7 control
- Mains voltage 400 V - 50 Hz
- Control voltage 24 V / DC
- Total power 5.5 KW
- Protection class IP54

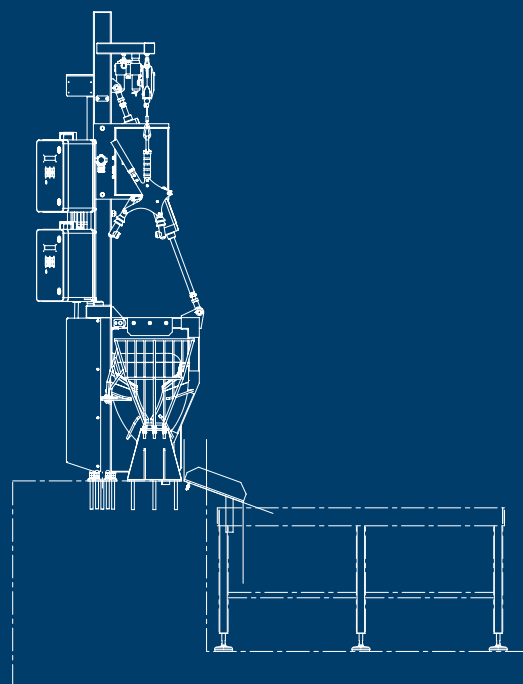
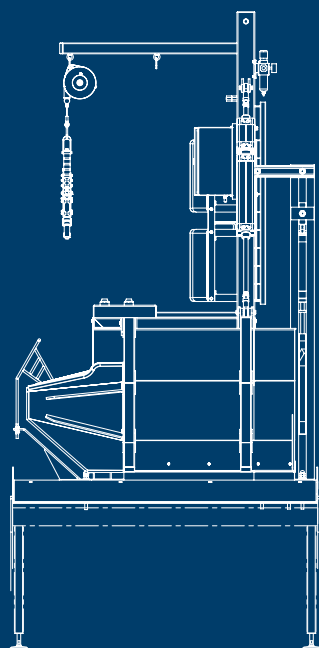
Note

For operation of the restrainer, an additional
ejection roller chute is required.



SBP

STUNNING BOX



Machine body:

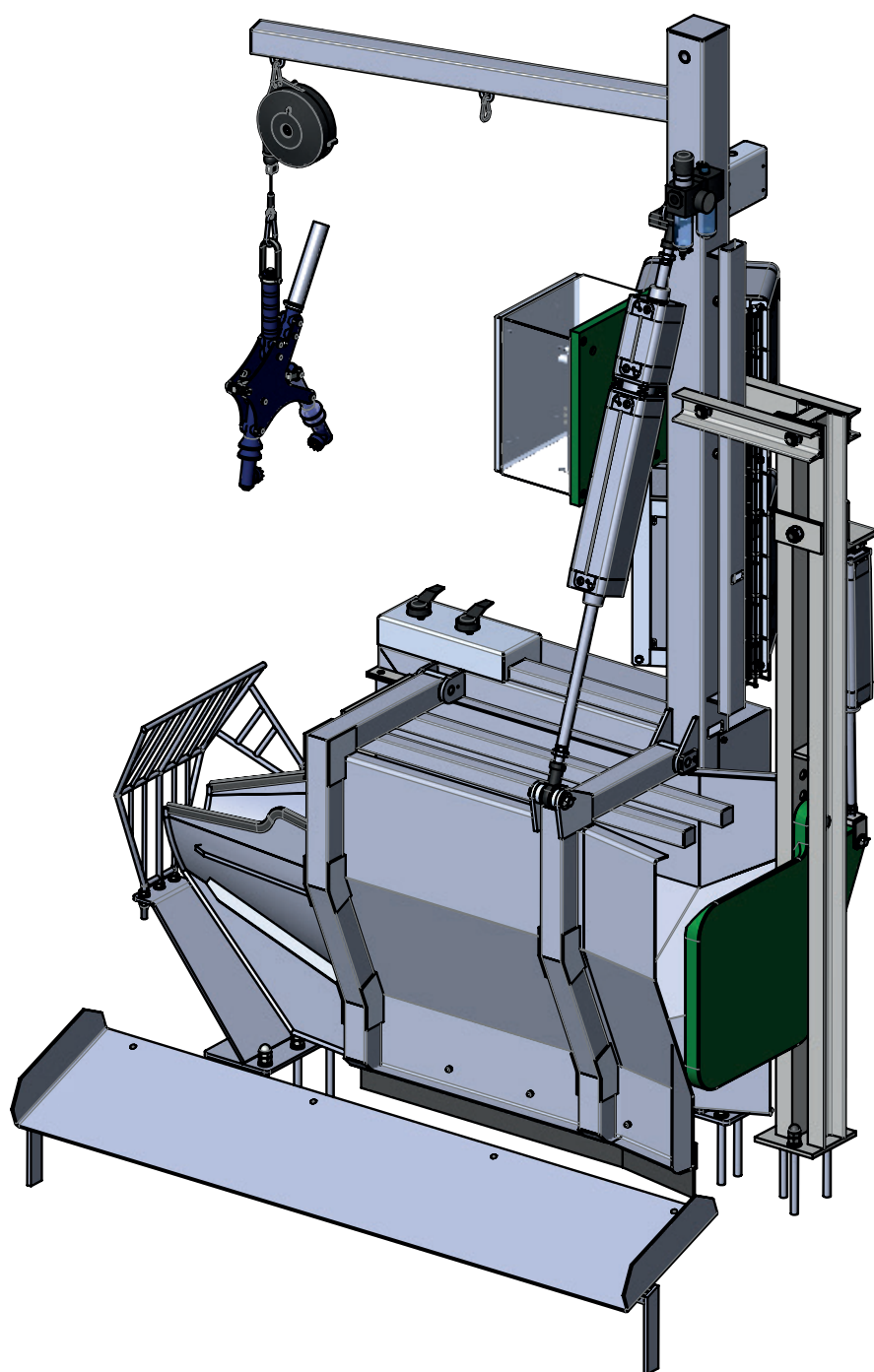
- Hygienic frame construction of sheet metal and profile parts, stainless steel 1.4301
- Electro-pneumatically operated swivelling wall adapted to the shape of the body
- Pneumatically operated plastic drive aisle door
- Muzzle made of round bars in stainless steel 1.4301 mounted on the floor
- Gallows made of stainless steel 1.4301 for the pneumatic stun gun
- Maintenance unit for the pneumatic

Stunning module:

- Stainless steel housing 1.4301 for the stunning transformers
- Innovative animal body detection for best heart-brain stunning
- Head and heart electrodes can be controlled individually
- Including stunning transformers
- BANSS STO-100 stunning tong, pneumatic

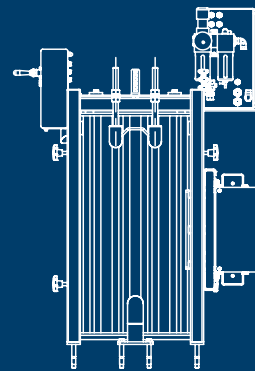
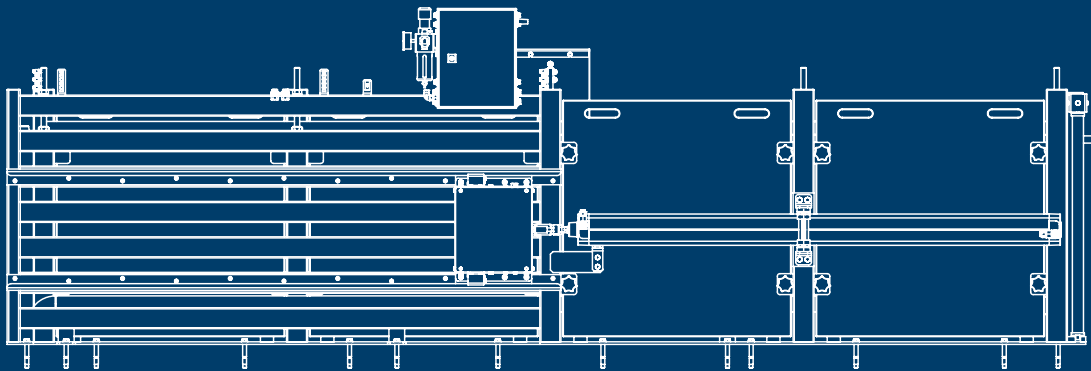
No.	Type	Pigs/h*	Max. slaughter weight	Min. slaughter weight
7020150002	SBP-100	120	150 kg	50 kg
7020150003	SBP-110 sows	120	150 kg	50 kg

*max. live weight of 200 kg



SAD-400

SEMI-AUTOMATIC FEED UNIT



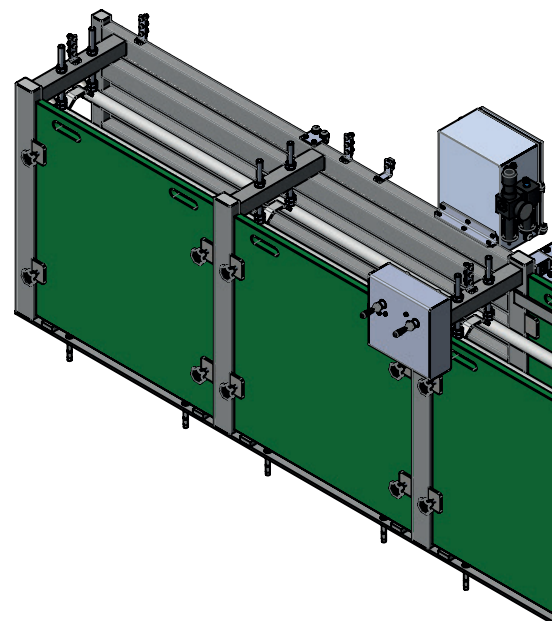
Machine body:

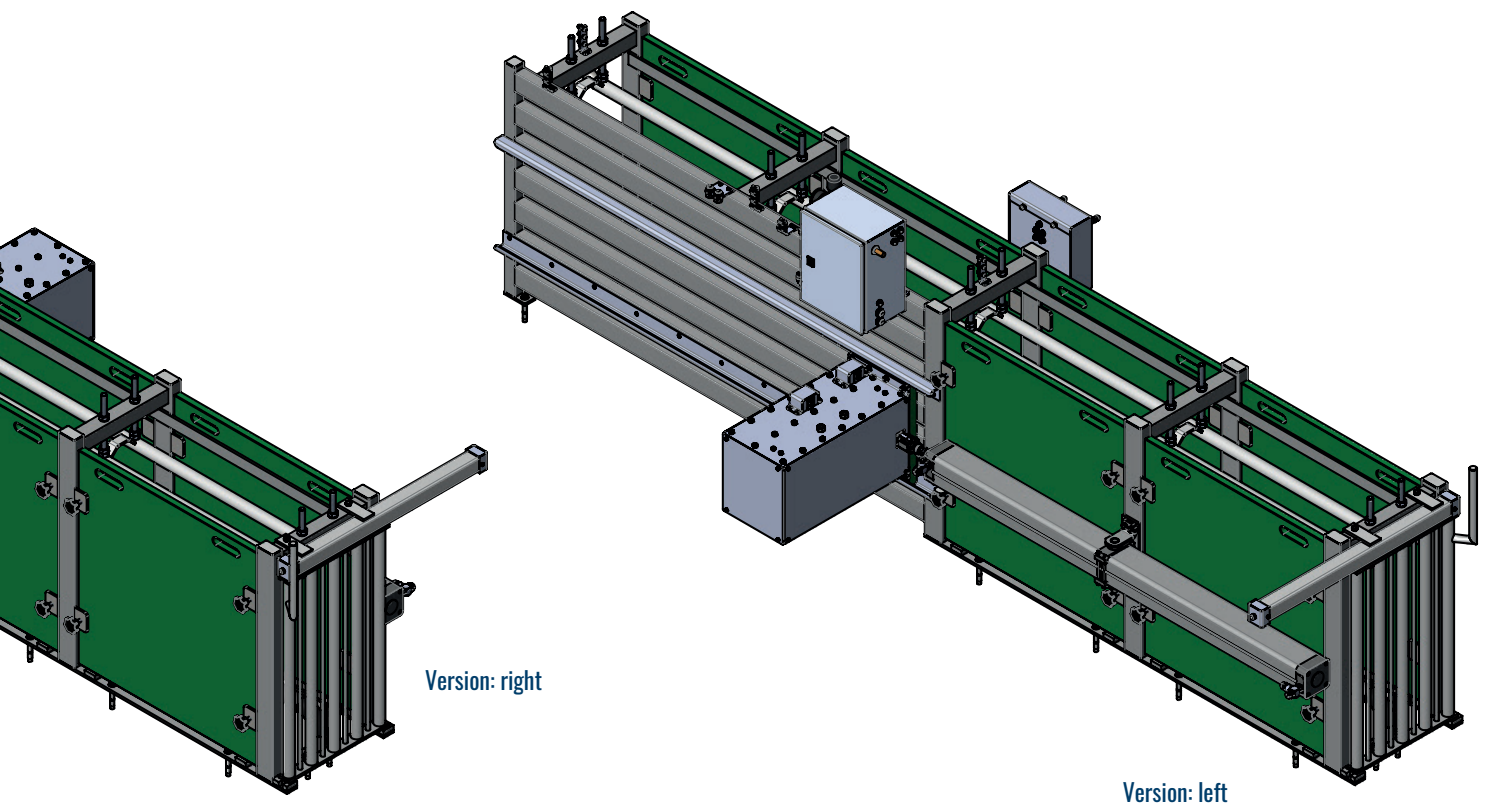
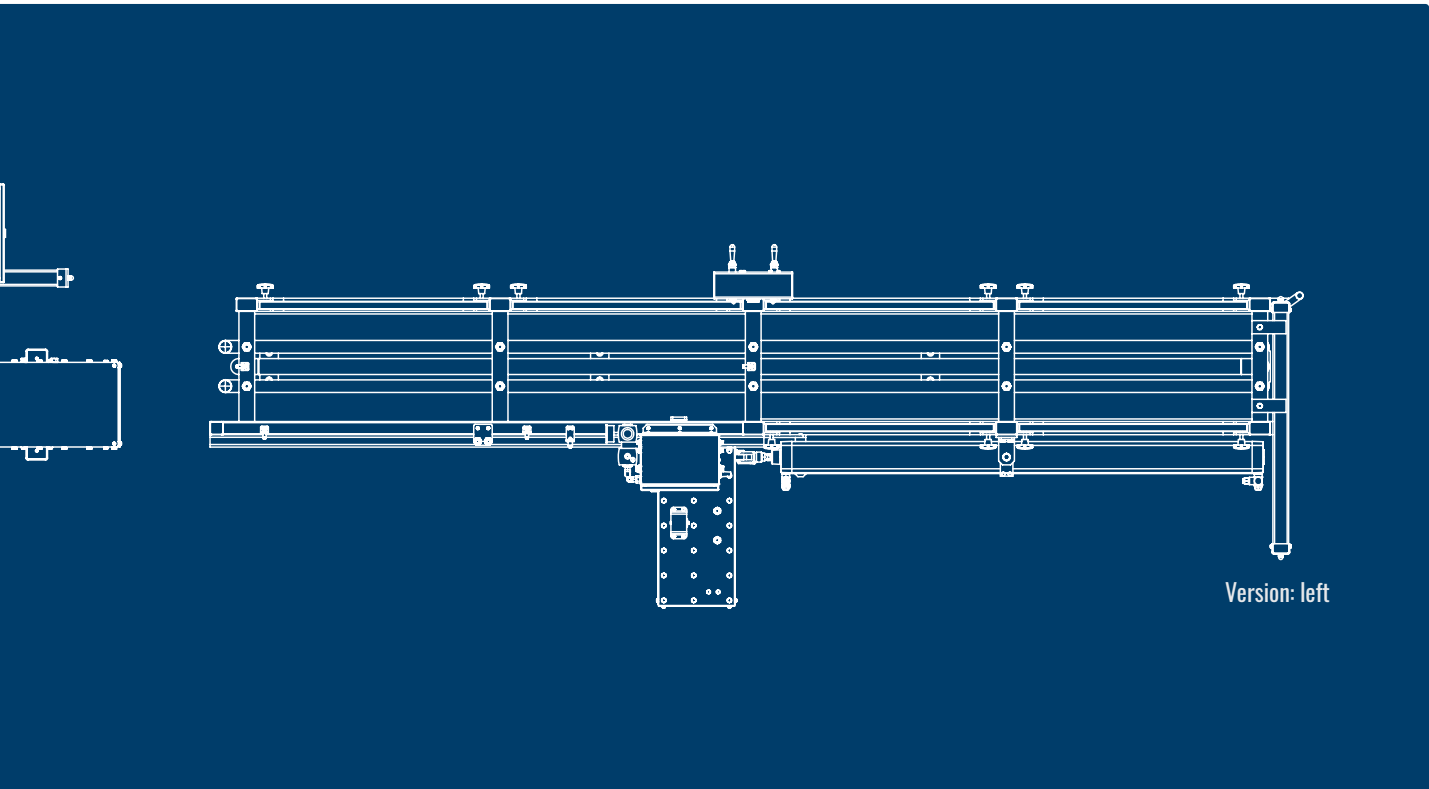
- Hygienic frame construction made of sheet metal and profile parts, stainless steel 1.4301
- Plastic plates on both sides for animal-friendly guidance
- Jumping tubes made of stainless steel 1.4301
- Pneumatically operated drive unit

Control:

- Control box housing made of stainless steel, incl. display and control elements
- Terminal box housing made of stainless steel, incl. all necessary control components

No.	Type	Pigs/h
7020150010	SAD-400	200

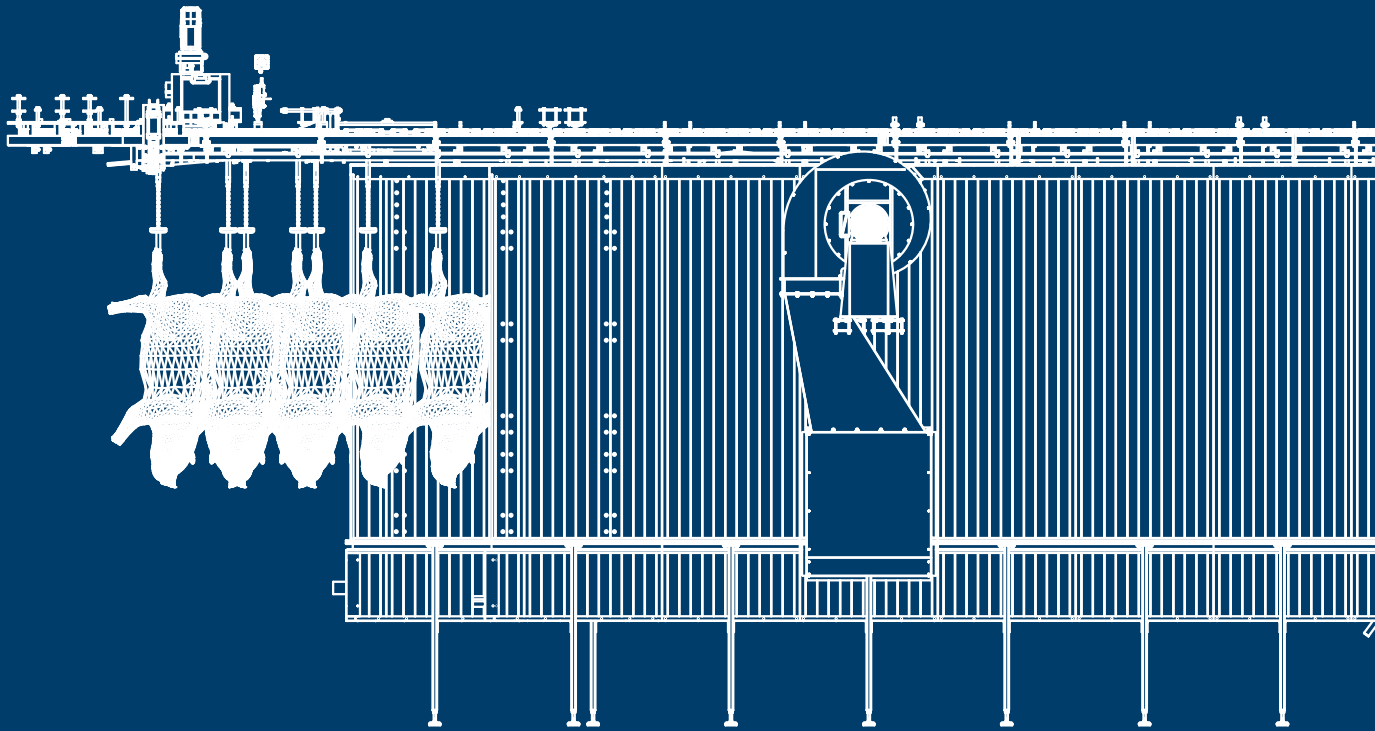




SMC
SCALDING

SMC-CT

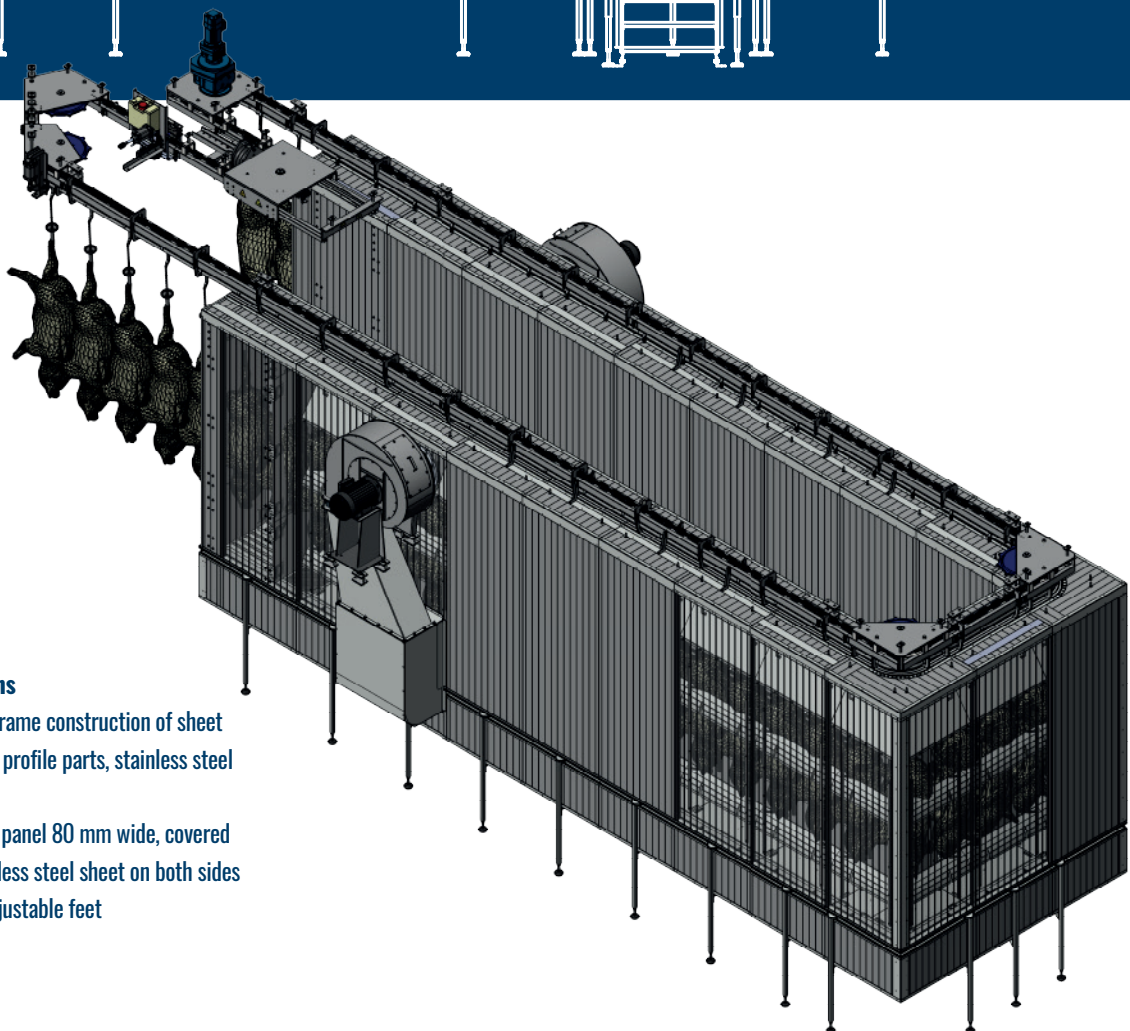
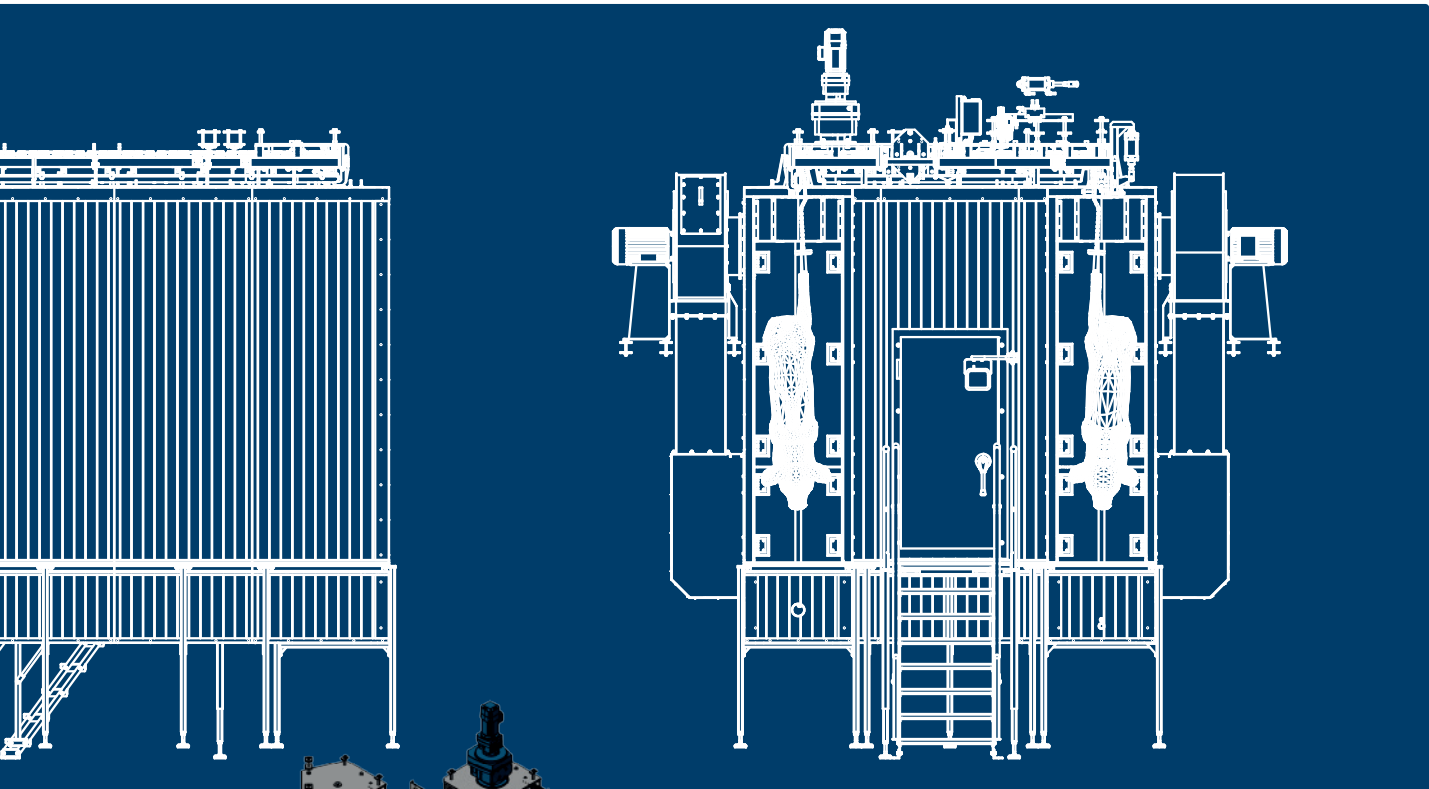
CONDENSATION SCALDING



Scalding is carried out with 60 °C (140 °F) warm humid air instead of water. The scalding equipment is constructed in a sandwich construction style and insulated. There is a fully accessible stainless steel tank located at the bottom of the scalding tunnel. Air deflector plates are installed on the interior walls. Fans are aspirating the air in the upper part of the tunnel and circulate this air in exterior channels. During this operation the air is moistened and heated by water vapor. The fans blow the heated air through the lower part back to the scalding tunnel. The air deflector plates push the heated air onto the carcasses where water vapor condenses which creates the scalding effect.

To avoid any risk of corrosion in the scalding tunnel, the conveying system has been installed outside of the scalding tunnel; based on a patent registered design. The looped chains for the carcasses are introduced through a slot in the ceiling of the scalding channel that is sealed with brushes. There are insulated doors allowing access to the tunnel. Proven and reliable control units perform the process and the automatic temperature control.

No.	Type	Module	Length	Width
7060100002	SCM-CT-120-B	Basic module	1,200 mm	945 mm
7060100003	SCM-CT-240-B	Basic module	2,400 mm	945 mm
7060100007	SCM-CT-150-I	Insertion	1,540 mm	945 mm
7060100006	SCM-CT-150-D	Discharge unit	1,540 mm	945 mm
7060100008	SMC-CT-90-C	Corner module	1,250 mm, 90 degrees	1,250 mm
7060100004	SCM-CT-120-V	Ventilation module	1,200 mm	2,140 mm
7060100009	SMC-CT-240-C	Ventilation module	2,445 mm	2,390 mm
7060100005	SCM-CT-120-M	Maintained module	2,400 mm	945 mm



Specifications

- Hygienic frame construction of sheet metal and profile parts, stainless steel 1.4301
- Insulating panel 80 mm wide, covered with stainless steel sheet on both sides
- Height-adjustable feet

SMC-CT

CONDENSATION SCALDING

SCM-CT-120-B – Basic module

- Module length 1,200 mm
- Supply line made of stainless steel pipe
- Integrated spray pipes equipped with special spray nozzles



SCM-CT-240-B – Basic module

- Module length 2,400 mm
- Supply line made of stainless steel pipe
- Integrated spray pipes equipped with special spray nozzles



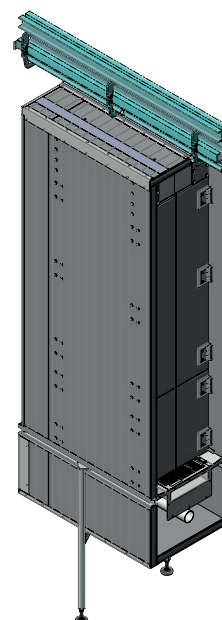
SCM-CT-150-I – Insertion

- Module length 1,540 mm
- Double-leaf swing door made of plastic



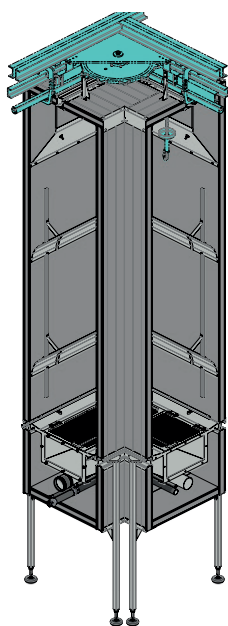
SCM-CT-150-D – Discharge unit

- Module length 1,540 mm
- Double-leaf swing door made of plastic



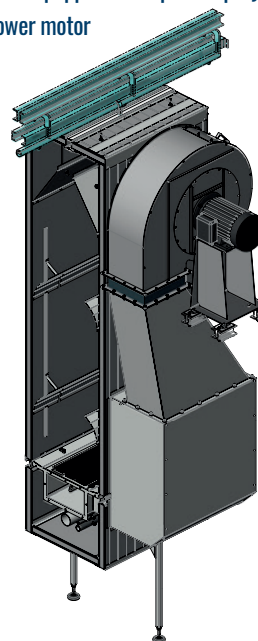
SMC-CT-90-C – Corner module

- Module length 1,250 x 1,250 mm, 90 degrees
- Supply line made of stainless steel pipe
- Integrated spray pipes equipped with special spray nozzles



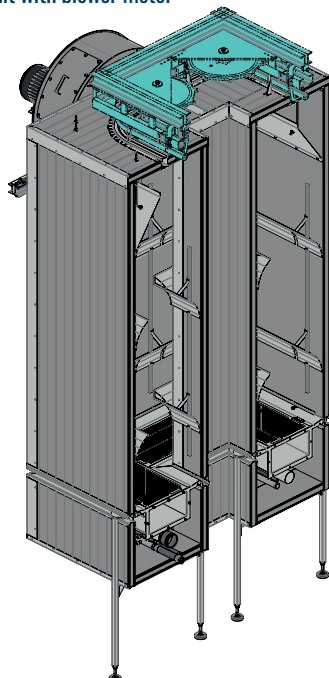
SCM-CT-120-V – Ventilation module

- Module length 1,200 mm
- Supply line made of stainless steel pipe
- Integrated spray pipes equipped with special spray nozzles
- Blower unit with blower motor



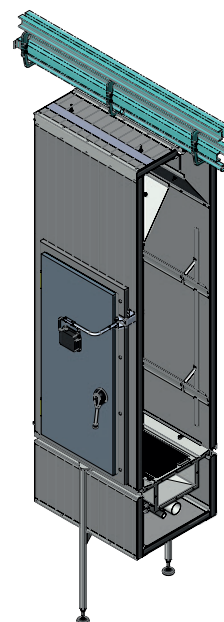
SMC-CT-240-C – Ventilation module

- Module length 2,445 mm
- Supply line made of stainless steel pipe
- Integrated spray pipes equipped with special spray nozzles
- Blower unit with blower motor



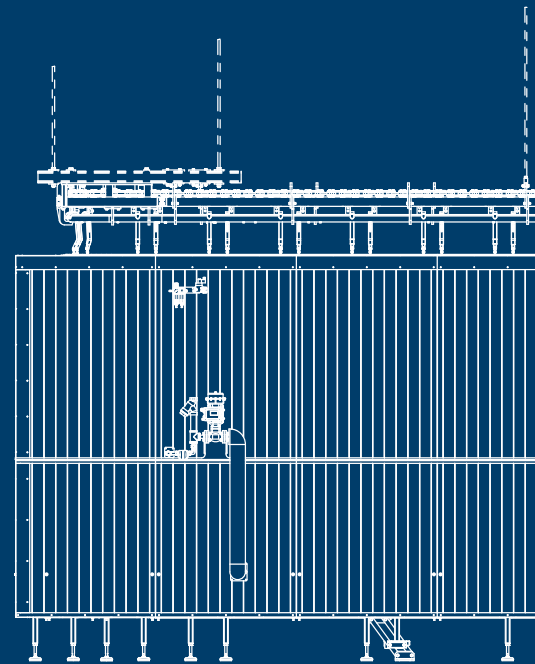
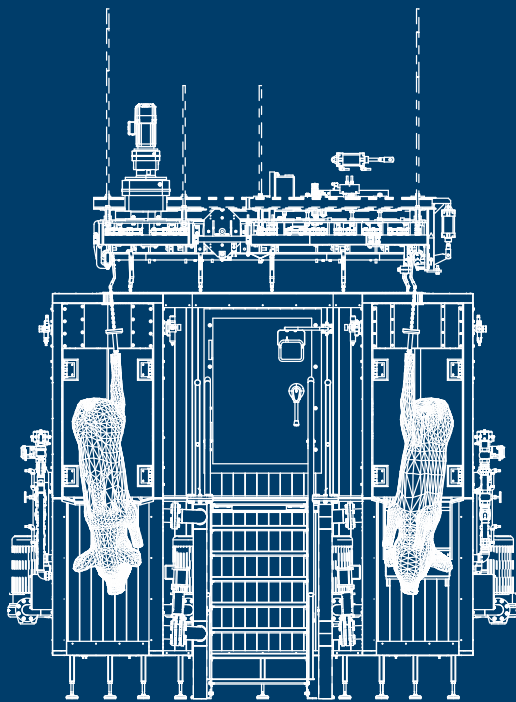
SCM-CT-120-M – Maintained module

- Module length 2,400 mm
- Supply line made of stainless steel pipe
- Integrated spray pipes equipped with special spray nozzles
- Entrance door made of insulating panel
- Control terminal



SMC-WT

WATER SCALDING TUNNEL



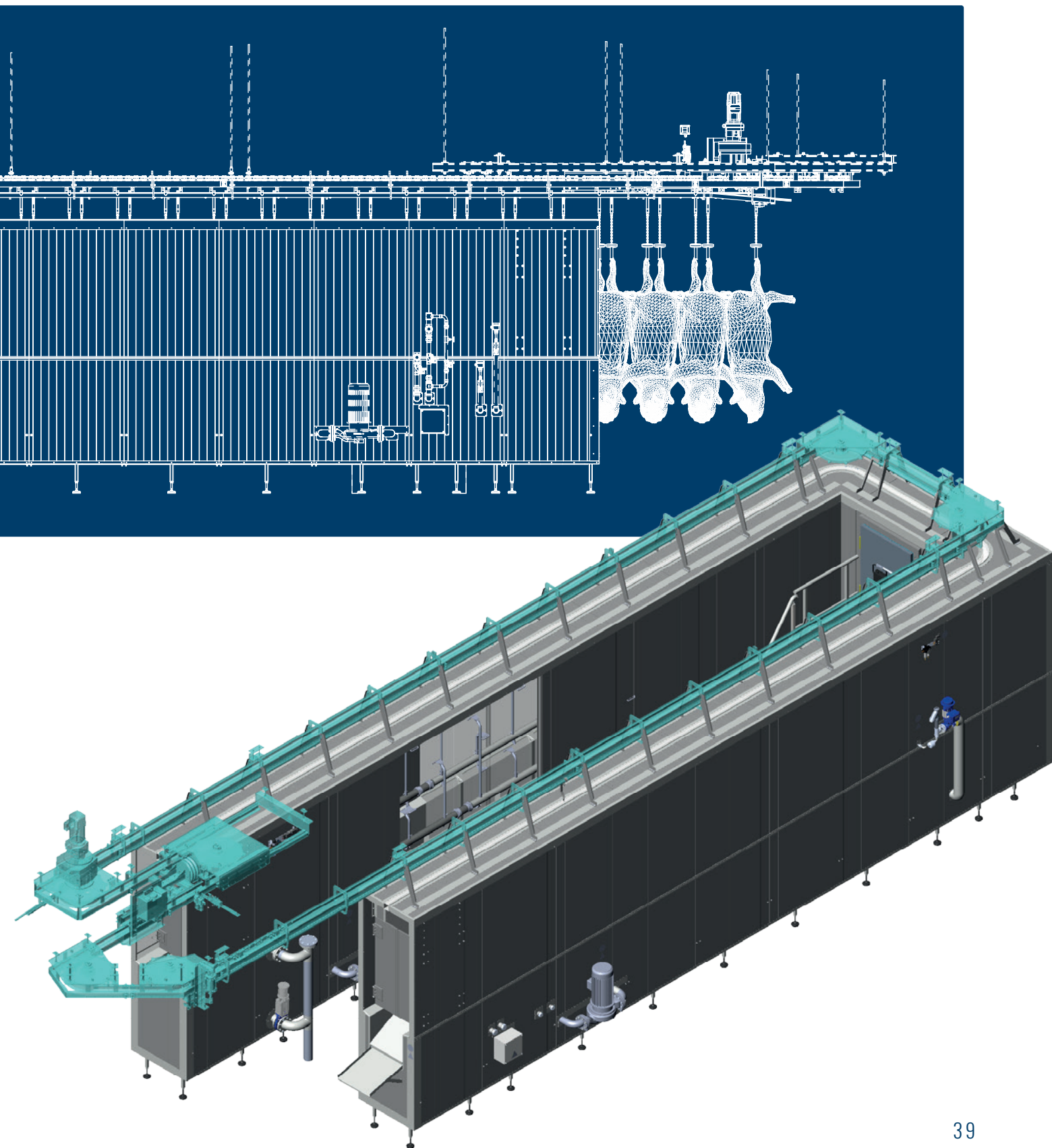
Specifications

- Brewing water tank made of hygienic frame construction of sheet metal and profile parts, stainless steel 1.4301
- Insulating panel 80 mm wide, covered with
- Height-adjustable feet

Control:

- Stainless steel operating housing, incl. HMI display and operating elements
- Stainless steel terminal box housing, incl. all necessary control components
- Siemens S7 control
- Mainsvoltage 400 V - 50 Hz
- Control voltage 24 V / DC
- Total power 5.5 KW
- Protection class IP54

No.	Type	Module	Length	Width
7060150002	SMC-WT-120-B	Basic module	1,200 mm	945 mm
7060150005	SCM-WT-240-B	Basic module	2,400 mm	945 mm
7060150007	SMC-WT-150-I	Insertion	1,200 mm	945 mm
7060150006	SMC-WT-150-D	Discharge unit	1,200 mm	945 mm
7060150003	SMC-WT-120-PD	Pump module	1,200 mm	945 mm
7060150009	SMC-WT-120-S	Steam nozzle module	1,200 mm	945 mm
7060150008	SMC-WT-090-C	Corner module	1,190 mm, 90 Degrees	1,190 mm
7060150004	SMC-WT-120-F	Function module	1,200 mm	945 mm
7060150011	SMC-WT-120-F	Function module	1,200 mm	945 mm
7060150010	SMC-WT-120-M	Access module with pedestal	1,200 mm	3.510 mm

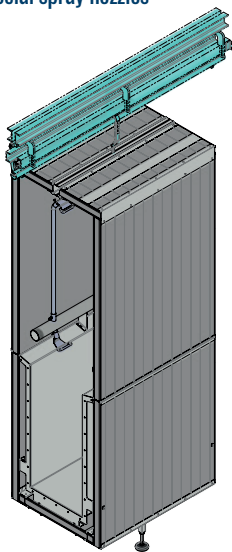


SMC-WT

WATER SCALDING TUNNEL

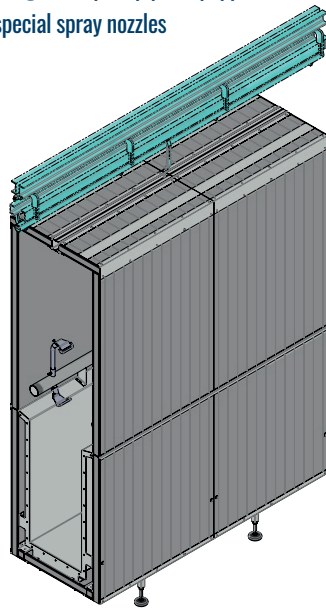
SMC-WT-120-B – Basic module

- Module length 1,200 mm
- Supply line made of stainless steel pipe
- Integrated spray pipes equipped with special spray nozzles



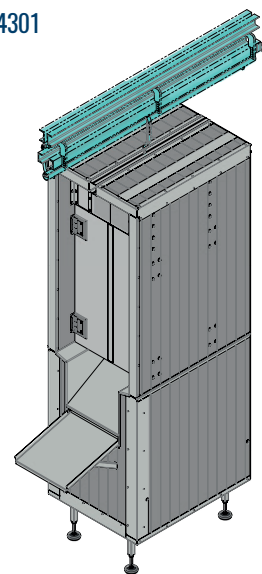
SMC-WT-240-B – Basic module

- Module length 2,400 mm
- Supply line made of stainless steel pipe
- Integrated spray pipes equipped with special spray nozzles



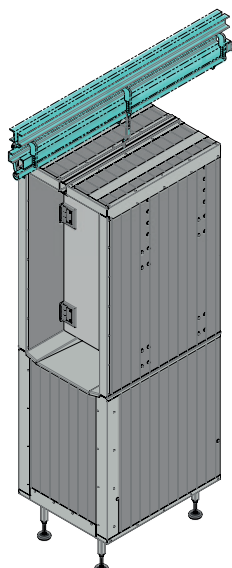
SMC-WT-150-I – Insertion

- Module length 1,200 mm
- Double-leaf swing door made of plastic
- Inlet chute made of stainless steel sheet 1.4301



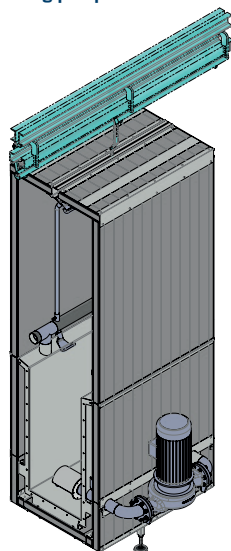
SMC-WT-150-D – Discharge unit

- Module length 1,200 mm
- Double-leaf swing door made of plastic



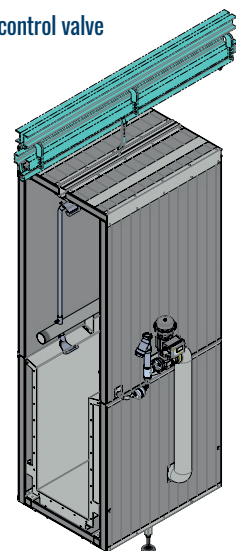
SMC-WT-120-PD – Pump module

- Module length 1,200 mm
- Supply line made of stainless steel pipe
- Integrated spray pipes equipped with special spray nozzles
- Circulating pump



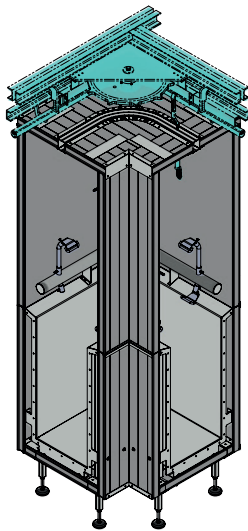
SMC-WT-120-S – Steam nozzle module

- Module length 1,200 mm
- Supply line made of stainless steel pipe
- Integrated spray pipes equipped with special spray nozzles
- Steam connection
- Steam control valve



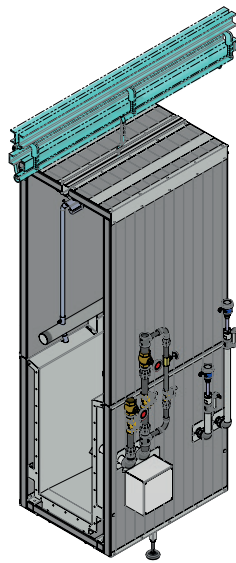
SMC-WT-090-C – Corner module

- Module length 1,190 x 1,190 mm, 90 degrees
- Supply line made of stainless steel pipe
- Integrated spray pipes equipped with special spray nozzles



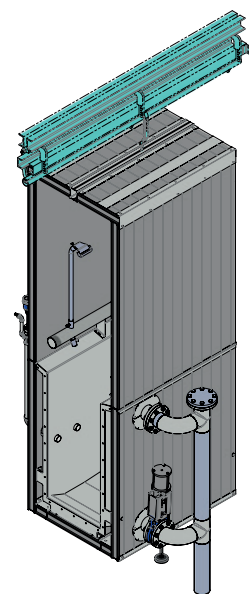
SMC-WT-120-F – Function module

- Module length 1,200 mm
- Supply line made of stainless steel pipe
- Integrated spray pipes equipped with special spray nozzles



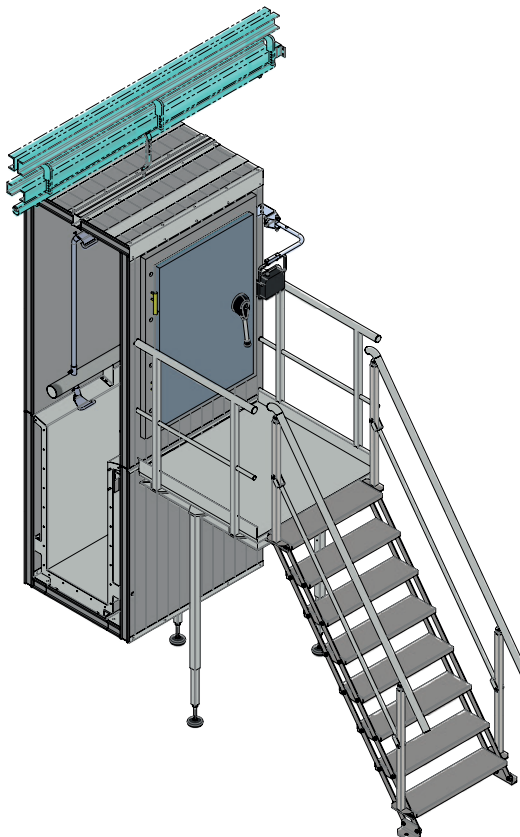
SMC-WT-120-F2 – Function module

- Module length 1,200 mm
- Supply line made of stainless steel pipe
- Integrated spray pipes equipped with special spray nozzles



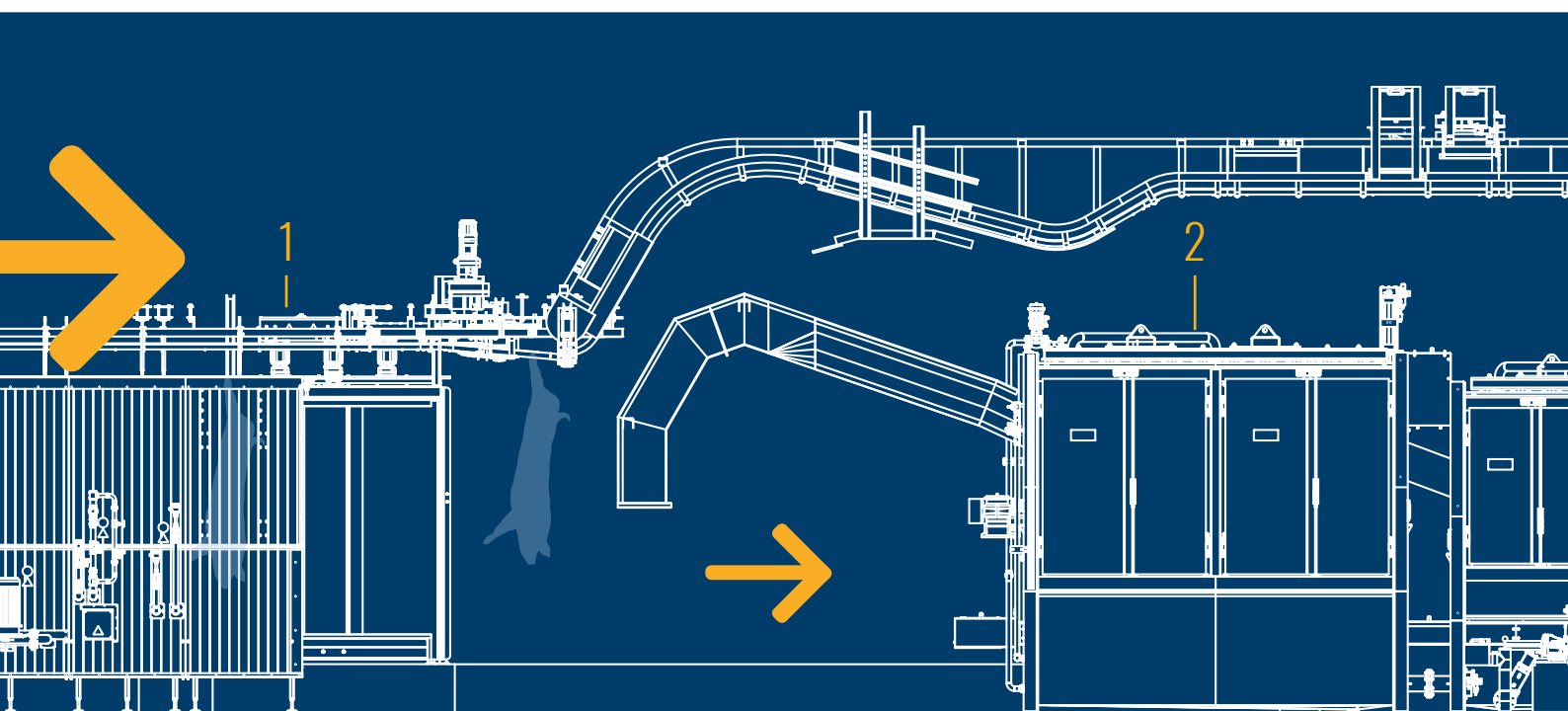
SMC-WT-120-M – Access module with pedestal

- Module length 1,200 mm
- Supply line made of stainless steel pipe
- Integrated spray pipes equipped with special spray nozzles
- Maintenance platform with access stairs
- Entrance door made of insulating panel
- Control terminal

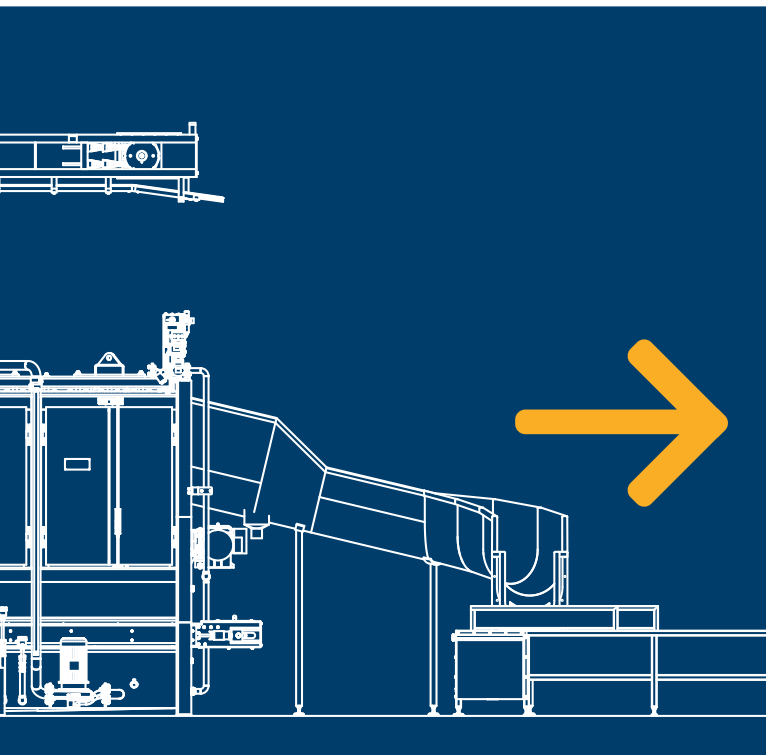


DMC/
DM
DEHAIRING

MODE OF OPERATION, SYSTEMATICS AND PRODUCT RANGE



Type	DMC 260-2	DMC 250-2	DMC 240-2	DMC 230-2	DMC 220-2	DMC 250-1	DMC 240-1	DMC 230-1	DMC 220-1	DMC 130-2
Passage width [mm]										
Pigs up to max. [kg]	350	350	350	350	350	350	350	350	350	350
Discontinuous										
Continuous	■	■	■	■	■	■	■	■	■	■
Chain drive										
Direct drive	■	■	■	■	■	■	■	■	■	■
Dehairing rollers	2	2	2	2	2	1	1	1	1	2
Model 1-part										■
Model 2-part	■	■	■	■	■	■	■	■	■	
Capacity (Pigs/h)	640	580	520	460	400	350	320	280	240	320



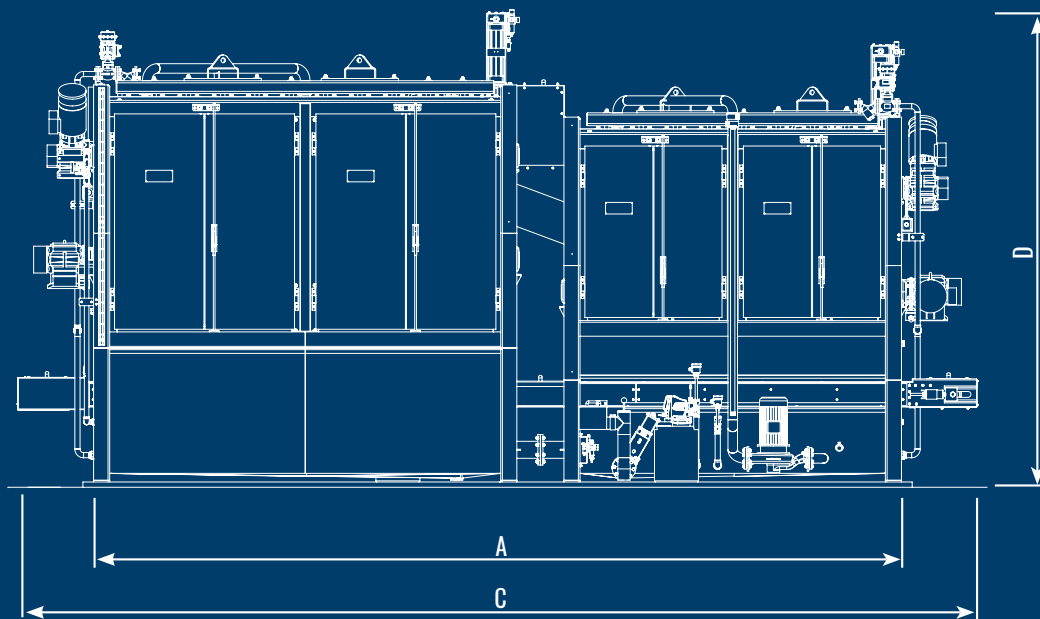
With model series DMC 200-1 to 840-3 JWE-BANSS utilizes international experience and the latest scientific findings in the development of continuous dehairing machines. After pre-scalding has been completed using either a scalding tunnel or the scalding tank, the pigs are brought through into the dehairing machine by means of introduction chute. Scalding with 60 °C (140 °F) hot water is constantly occurring with the dehairing process. After the dehairing process has been finished the ejection slide opens automatically and the carcass reaches the receiving plate conveyor or table.

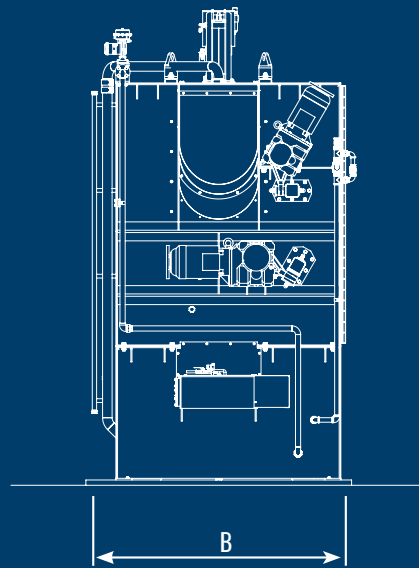
In this regard JWE-Baumann offers a wide range of machines such as pre-cleaning machines (1) and whipping machines (2).

	DMC 120-2	DMC 110-2	DMC 130-1	DMC 120-1	DMC 110-1	DM 82	DM 80		DM 50		DM 16
						2,500	2,500	2,000	2,500	2,000	2,000
	350	350	350	350	350	320	320	320	250	250	200
						■	■	■	■	■	■
	■	■	■	■	■						
									■	■	■
	■	■	■	■	■	■	■	■			
	2	2	1	1	1	2	2	2	2	2	2
	■	■	■	■	■						
	260	200	200	160	120	200	120	60	100	50	25

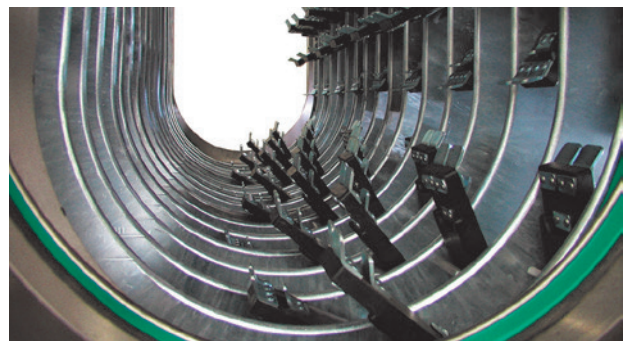
DMC – 2-PARTS

CONTINUOUS DEHAIRING MACHINE





No.	Type	Pigs/h	Polishing roller	A	B	C	D
7080100004	DMC-220-1	240		6,740 mm	2,100 mm	8,155 mm	4,410 mm
7080100005	DMC-230-1	280		7,540 mm	2,100 mm	8,955 mm	4,410 mm
7080100006	DMC-240-1	320		8,340 mm	2,100 mm	9,755 mm	4,410 mm
7080100007	DMC-250-1	350		9,140 mm	2,100 mm	10,555 mm	4,410 mm
7080100011	DMC-220-2	400	■	6,740 mm	2,100 mm	8,155 mm	4,410 mm
7080100012	DMC-230-2	460	■	7,540 mm	2,100 mm	8,955 mm	4,410 mm
7080100013	DMC-240-2	520	■	8,340 mm	2,100 mm	9,755 mm	4,410 mm
7080100014	DMC-250-2	580	■	9,140 mm	2,100 mm	10,555 mm	4,410 mm
7080100015	DMC-260-2	640	■	9,940 mm	2,100 mm	11,355 mm	4,410 mm



DMC – 2-PARTS

CONTINUOUS DEHAIRING MACHINE

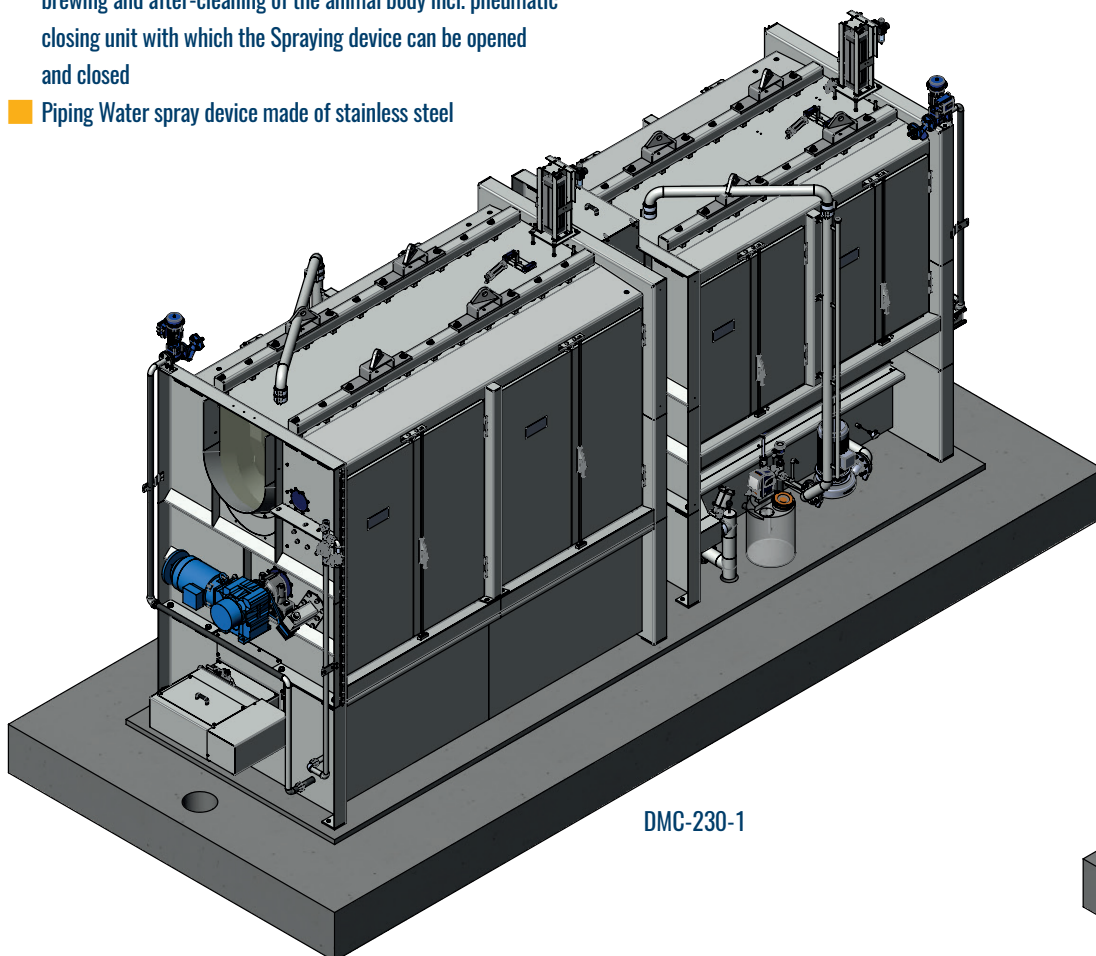
DMC – inlet section

Machine body:

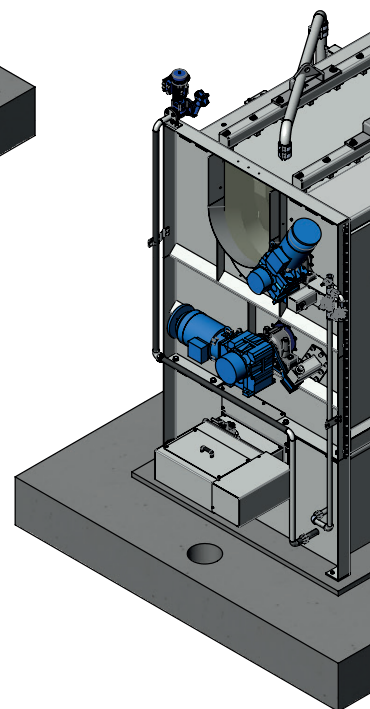
- Hygienic frame construction made of sheet metal and profiled parts, stainless steel 1.4301
- 2 stainless steel maintenance doors on both sides, insulated, to reach of the depilatory area
- Maintenance and cleaning flaps on one side to reach the Water tub
- Support segments, hot-dip galvanised, with which the dehairing of pigs is possible from a minimum weight of 50 kg
- Main dehairing roller, hot-dip galvanised, D457 mm, equipped with dehairing beaters with scraper
- Drive motor
- Pneumatically actuated jam slide for ejection timing
- Special water spraying device made of stainless steel for after-brewing and after-cleaning of the animal body incl. pneumatic closing unit with which the Spraying device can be opened and closed
- Piping Water spray device made of stainless steel

Water tank:

- Hygienic sheet metal construction made of 1.4301 stainless steel
- Heating via built-in steam lance, incl. pneumatic steam control valve and strainer
- Water circulation pump
- Level limit switch for minimum and maximum water level
- Temperature control system for setting the water temperature at 0.5 degrees Accuracy

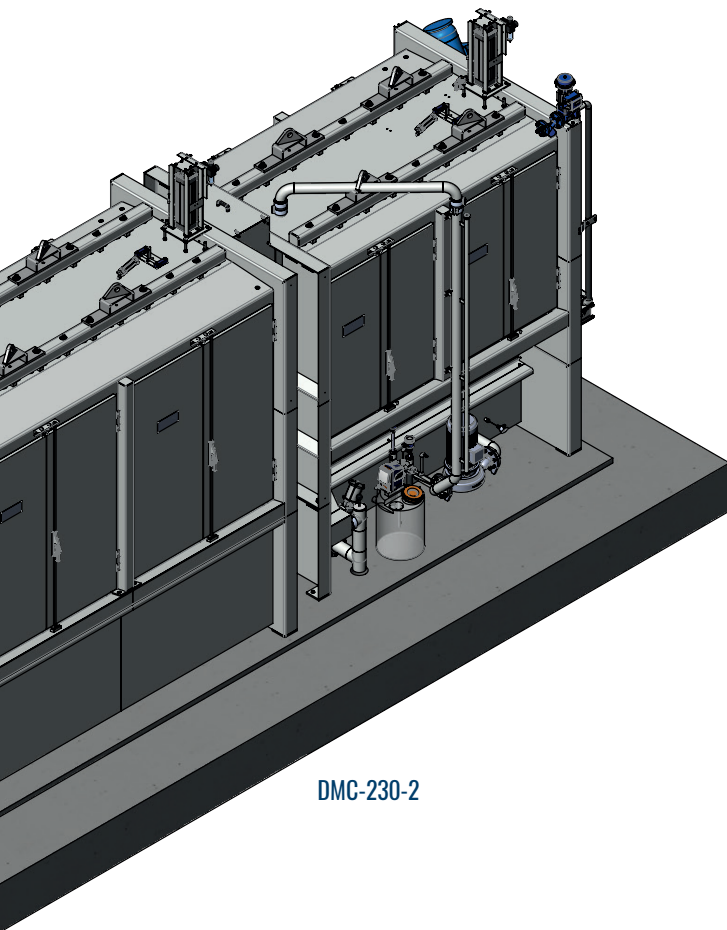


DMC-230-1



DMC – outlet part**Machine body:**

- Hygienic frame construction made of sheet metal and profile parts, stainless steel 1.4301
- 2 stainless steel maintenance doors on both sides, insulated, to reach the Depilation area
- Maintenance and cleaning flaps on one side to reach the Water tub
- Support segments, hot-dip galvanised, with which the dehairing of pigs is possible from a minimum weight of 50 kg
- Main dehairing roller, hot-dip galvanised, D457 mm, equipped with dehairing beaters with scraper
- Drive motor
- Pneumatically actuated jam slide for ejection timing
- Special water spraying device made of stainless steel for after-brewing and after- cleaning of the animal body incl. pneumatic closing unit with which the Spraying device can be opened and closed
- Piping Water spray device made of stainless steel



DMC-230-2

Water tank:

- Hygienic sheet metal construction made of 1.4301 stainless steel
- Heating via built-in steam lance, incl. pneumatic steam control valve and strainer
- Water circulation pump
- Temperature control system for setting the water temperature at 0.5 degrees Accuracy
- Connected via pipe connection to the water tub of the DMC Inlet section

Bristle transport:

- Hygienic sheet metal construction made of 1.4301 stainless steel
- Drive station with drive motor
- Deflection station
- Cleaning device at the drive station with spray nozzles
- Round link chain equipped with specially designed bristle separator strips
- Bristle ejection under the drive station

Intermediate slide:

- Hygienic sheet metal construction made of 1.4301 stainless steel
- As connecting element between inlet and outlet part
- Maintenance opening via removable cover

Control:

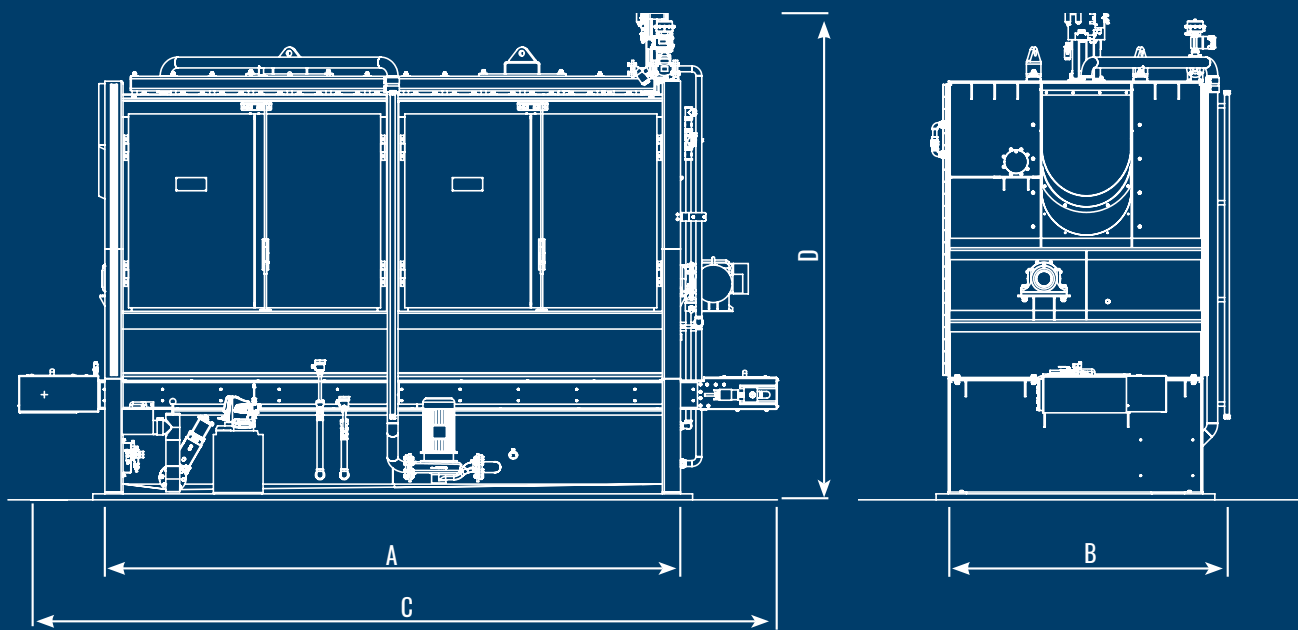
- Stainless steel operating housing
- Switch box housing made of stainless steel
- Siemens S7 control

Options

- Polishing and dehairing roller, hot-dip galvanised, D168 mm, equipped with dehairing beaters with scraper
- Drive motor

DMC – 1-PART

CONTINUOUS DEHAIRING MACHINE



No.	Type	Pigs/h	Polishing roller	A	B	C	D
7080100001	DMC-110-1	120		3,150 mm	2,100 mm	4,655 mm	4,110 mm
7080100002	DMC-120-1	160		3,950 mm	2,100 mm	5,455 mm	4,110 mm
7080100003	DMC-130-1	200		4,750 mm	2,100 mm	6,255 mm	4,110 mm
7080100008	DMC-110-2	200	■	3,150 mm	2,100 mm	4,655 mm	4,110 mm
7080100009	DMC-120-2	260	■	3,950 mm	2,100 mm	5,455 mm	4,110 mm
7080100010	DMC-130-2	320	■	4,750 mm	2,100 mm	6,255 mm	4,110 mm

Specifications

Machine body:

- Hygienic frame construction made of sheet metal and profiled parts, stainless steel 1.4301
- On both sides 2 maintenance doors made of stainless steel, insulated, to reach the dehairing area
- Maintenance and cleaning flaps on one side for reaching the water tank
- Supporting segments, hot-dip galvanised, with which the dehairing of pigs from a minimum weight of 50 kg
- Main dehairing roller, hot-dip galvanised, D457 mm, equipped with dehairing with scraper
- Drive motor
- Pneumatically actuated slider for ejecting the dehairing roller
- Special stainless steel water spraying device for scalding and cleaning of the animal carcasses, incl. pneumatic closing unit with which the
- The spraying device can be opened and closed
- Pipework for water spraying device made of stainless steel

Water tank:

- Hygienic sheet metal construction made of stainless steel 1.4301
- Heating via built-in steam lance, incl. pneumatic steam regulating valve valve and dirt trap
- 1 water circulation pump
- Level limit switch for minimum and maximum water level
- Temperature control system for setting the water temperature with 0.5 degree accuracy

Bristle transport:

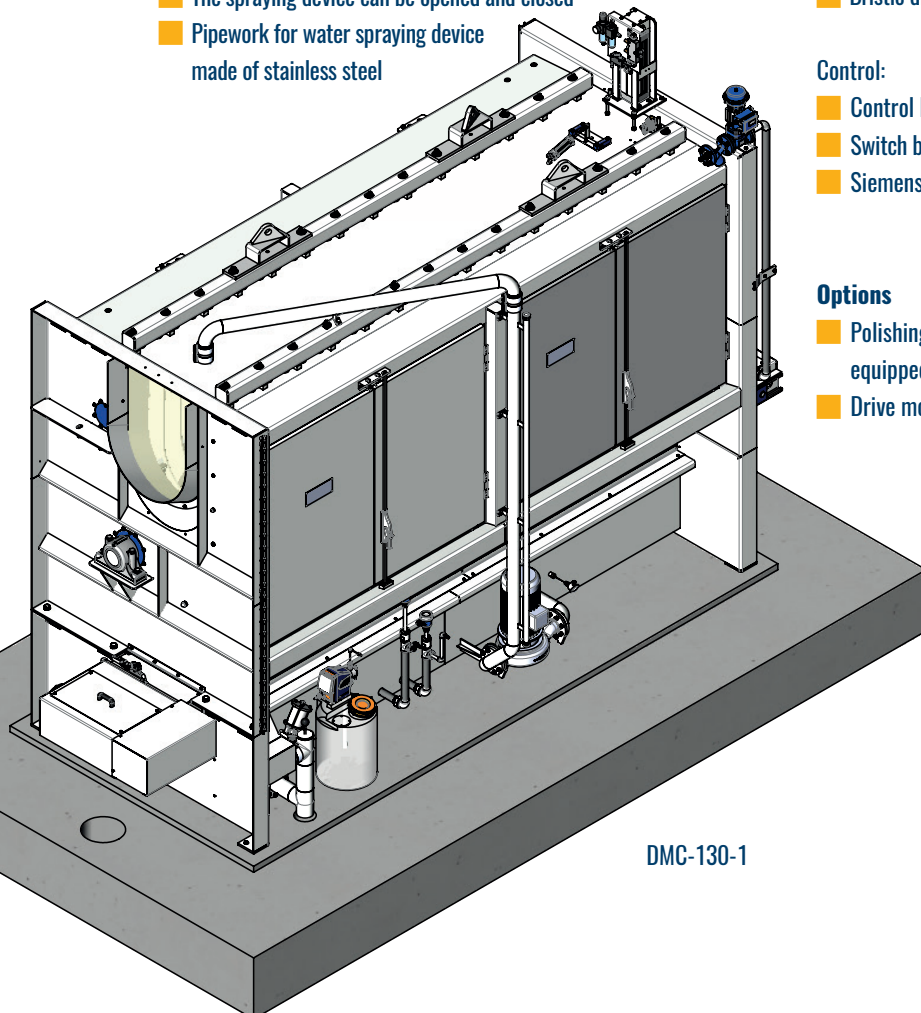
- Hygienic sheet metal construction made of stainless steel 1.4301
- Drive station with drive motor
- Deflector station
- Cleaning device at the drive station with spray nozzles
- Round link chain equipped with specially designed bristle separator strips
- Bristle discharge under the drive station

Control:

- Control box housing made of stainless steel
- Switch box housing made of stainless steel
- Siemens S7 control system

Options

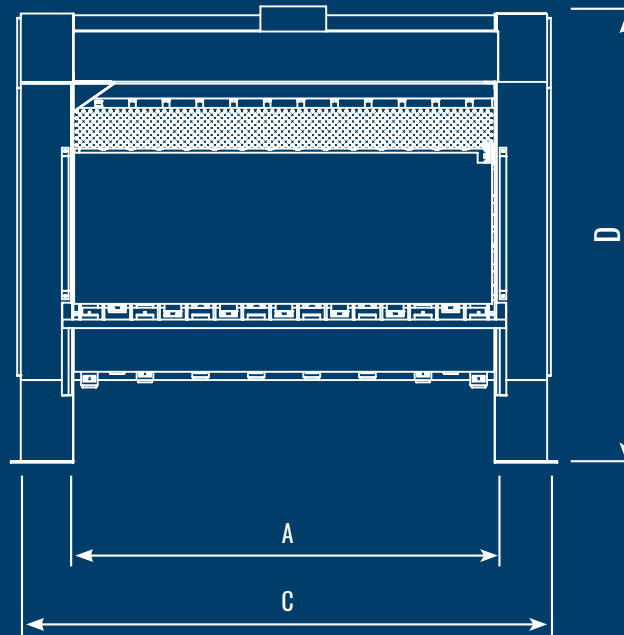
- Polishing and dehairing roller, hot-dip galvanised, D168 mm, equipped with dehairing beaters with scraper
- Drive motor



DMC-130-1

DM 82

TWO-ROLL DEHAIRING MACHINE



The JWE DM 82 is a two-roll dehairing machine for up to 200 pigs an hour.

Specifications

- Automatically operating
- Machine body steel construction stainless steel
- Closed ejection flap, separating the dirty area from the clean area
- Dehairing roll Ø 700 mm is equipped with JWE dehairing rubber beater with special metal elements
- Dehairing roll Ø 400 mm is equipped with slightly bent JWE dehairing beaters
- Retainer ribs for dehairing pigs weighing more than 25 kg
- Direct drive
- 11,0 kW and 5,5 kW

Options

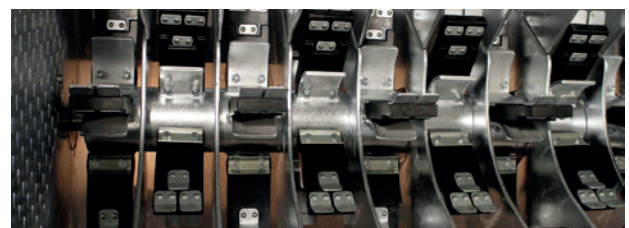
Singeing:

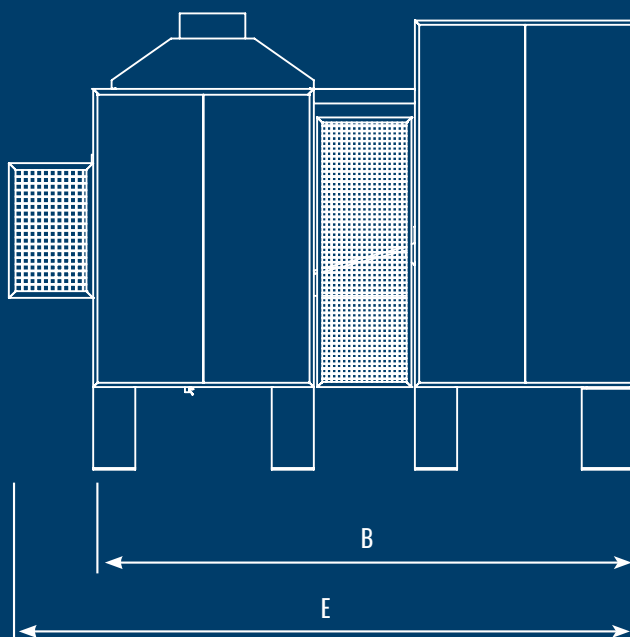
The optional singeing with 12 installed gas burners can be used with

- natural gas or
- propane gas.

Bristle conveyor:

In a scalding and dehairing combination with two two-roll dehairing machines a bristle conveyor is installed. The conveyor automatically transports bristles and claws to the front.



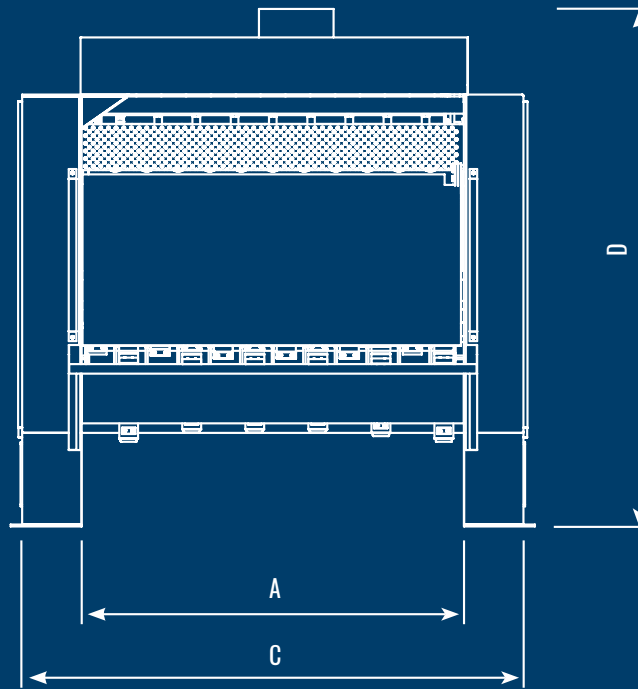


No.	Type	Pigs/h	A	B	C	D	E
7080460001	DM 82-25	200	2,500 mm	3,220 mm	3,125 mm	2,990 mm	4,020 mm



DM 80

TWO-ROLL DEHAIRING MACHINE



The JWE DM 80 is a two-roll dehairing machine for up to 120 pigs an hour.

Specifications

- Automatically operating
- Machine body steel construction stainless steel
- Closed ejection flap, separating the dirty area from the clean area
- Dehairing roll Ø 700 mm is equipped with JWE dehairing rubber beater with special metal elements
- Dehairing roll Ø 400 mm is equipped with slightly bent JWE dehairing beaters
- Retainer ribs for dehairing pigs weighing more than 25 kg
- Direct drive
- 11,0 kW and 5,5 kW

Options

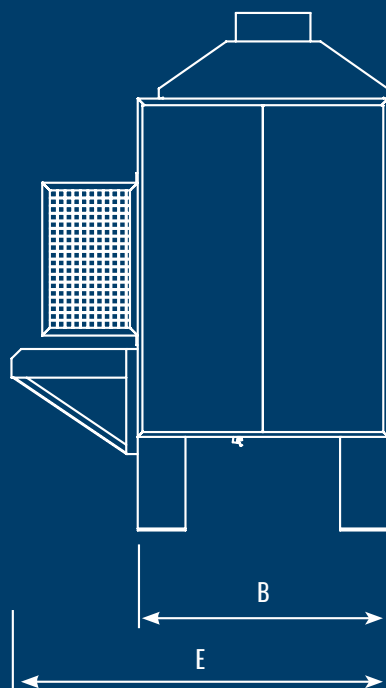
Singeing:

The optional singeing in the two-roll dehairing machine can be used with

- natural gas or
- propane gas.

Depending on the passage width nine or twelve gas burners are installed.





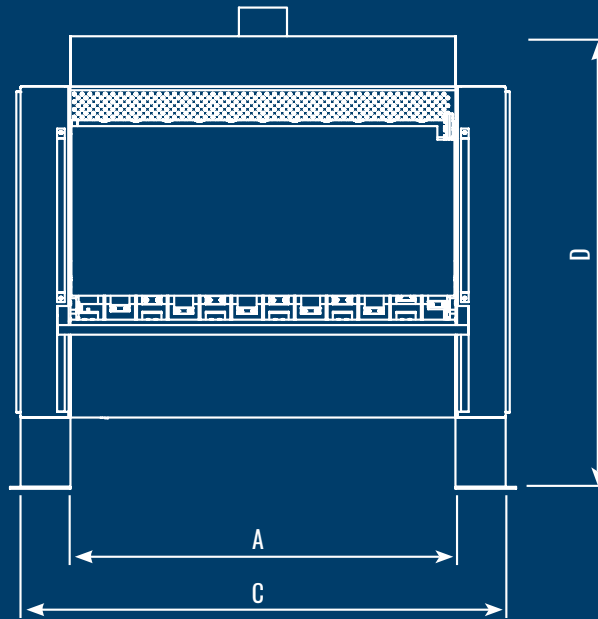
No.	Type	Pigs/h	A	B	C	D	E
7080440001	DM 80-20	60	2,000 mm	1,310 mm	2,625 mm	2,810 mm	1,830 mm
7080440002	DM 80-25	120	2,500 mm	1,310 mm	3,125 mm	2,810 mm	1,830 mm



Fig. with natural gas singeing

DM 50

TWO-ROLL DEHAIRING MACHINE



The JWE DM 50-60 is a two-roll dehairing machine for up to 100 pigs an hour.

Specifications

- Automatically operating
- Machine body steel construction stainless steel
- Closed ejection flap, separating the dirty area from the clean area
- Dehairing roll Ø 700 mm is equipped with JWE dehairing rubber beater with special metal elements
- Dehairing roll Ø 400 mm is equipped with slightly bent JWE dehairing beaters
- Retainer ribs for dehairing pigs weighing more than 25 kg
- Chain-drive
- Drive gear motor 7,5 kW

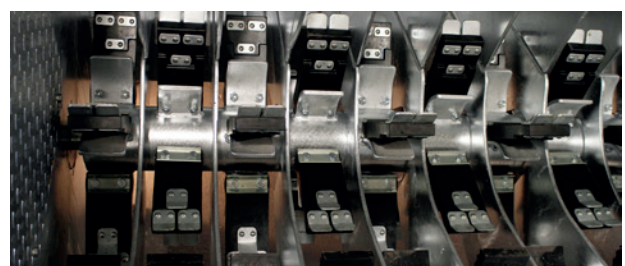
Options

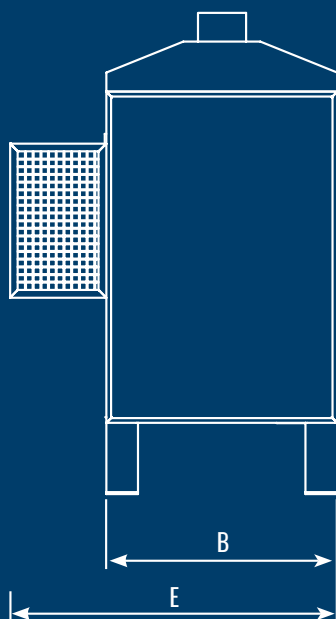
Singeing:

The optional singeing in the two-roll dehairing machine can be used with

- natural gas or
- propane gas.

Depending on the passage width nine or twelve gas burners are installed.



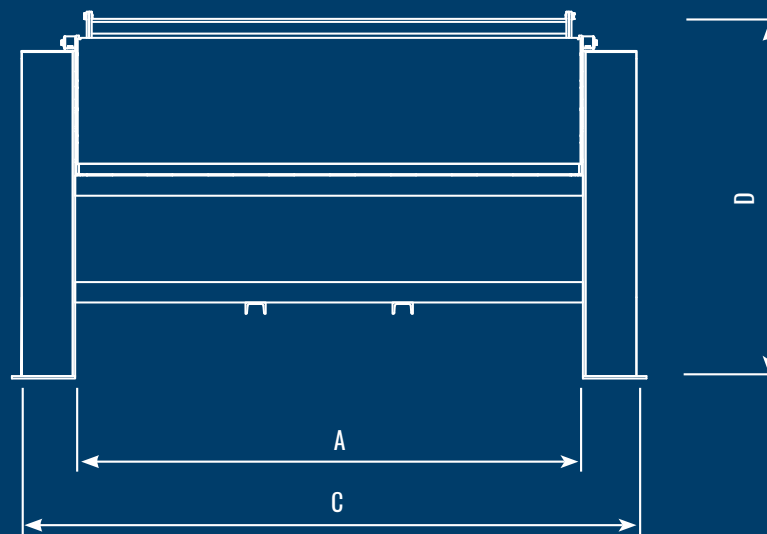


No.	Type	Pigs/h	A	B	C	D	E
7080420001	DM 50-20	50	2,000 mm	1,200 mm	2,625 mm	2,490 mm	1,735 mm
7080420002	DM 50-25	100	2,500 mm	1,200 mm	2,625 mm	2,490 mm	1,735 mm



DM 16

TWO-ROLL DEHAIRING MACHINE



The JWE DM 16 is a two-roll dehairing machine for up to 25 pigs an hour.

Specifications

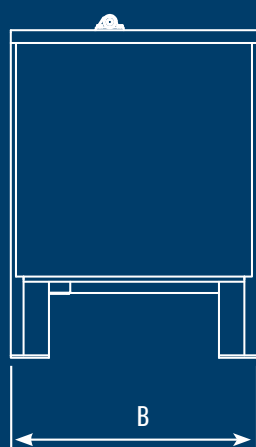
- Manually operating
- Machine body steel construction stainless steel
- Closed ejection flap, separating the dirty area from the clean area
- Two dehairing rolls are equipped with slightly bent JWE dehairing beaters
- Ejection rake operate together with the ejection flap
- Chain-drive
- Drive gear motor 3,0 kW

Options

Singeing:

The optional singeing in the two-roll dehairing machine can be used with

- natural gas or
- propane gas.



No.	Type	Pigs/h	A	B	C	D
7080400003	DM 16-20	25	2,000 mm	970 mm	2,420 mm	1,290 mm

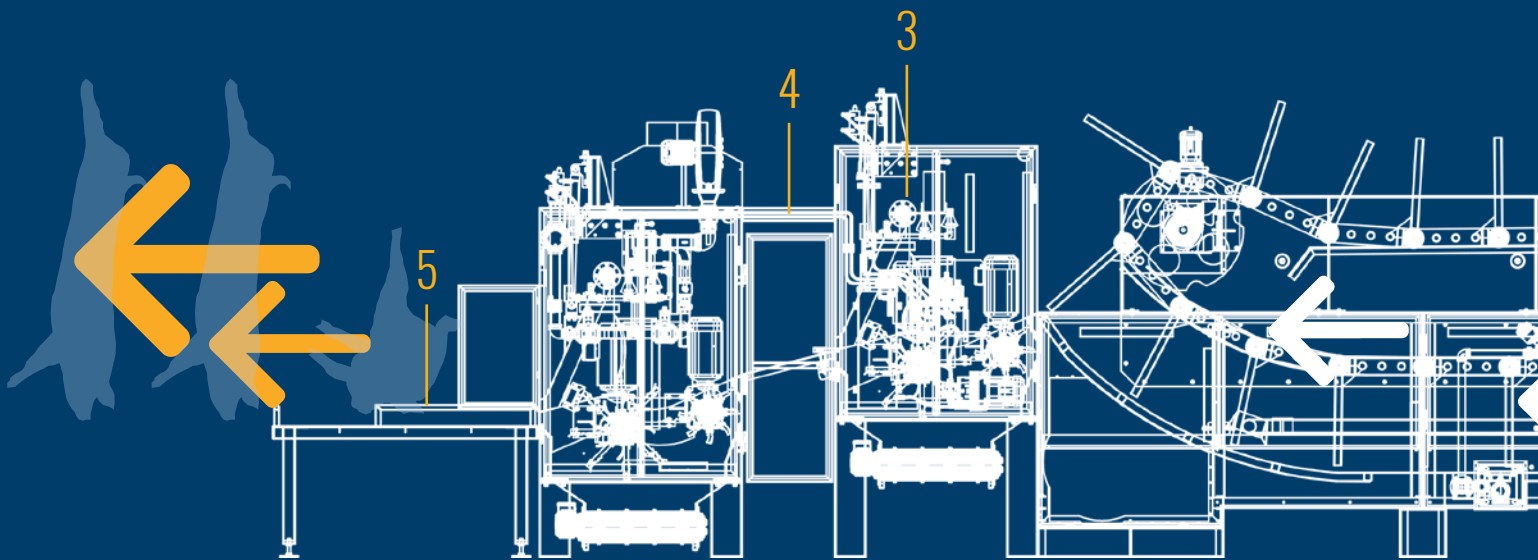


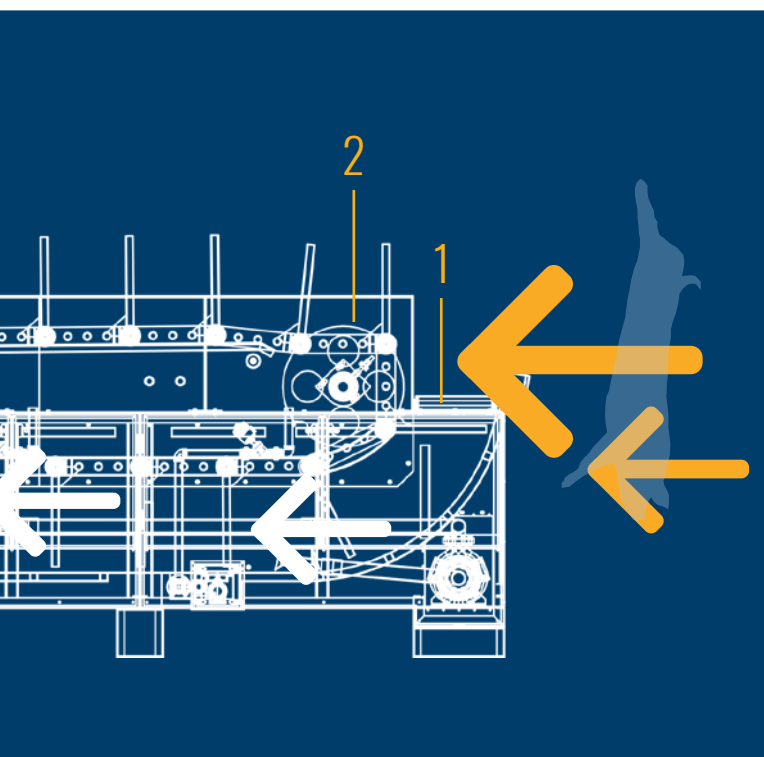
Fig. with natural gas singeing and ejection table

SDM

SCALDING AND
DEHAIRING

MODE OF OPERATION AND **SYSTEMATICS**





The end result of scalding and dehairing is largely influenced by the scalding procedure and the selected dehairing machine. The scalding time, temperature of the scalding water, seasonal factors and the race of the pig also have an effect on the end result. JWE-Baumann offers an ideal machine combination to suit every slaughtering output.

Work flow

The fully bled carcasses can either be installed manually or using a fully automatic chaining device in the conveying device of the scalding tank (1). The carcasses are transported automatically through the scalding tank (2) by a rake-Type conveyor. Our scalding water circulation pumps guarantee ideal scalding of the carcasses in the scalding tank. With the rake-Type conveyor the carcasses are loaded automatically into the dehairing machine (3) after scalding.

In the two-roll dehairing machine the carcasses are first pre-washed with hot water. The dehairing rolls rotate constantly in the direction of the ejecting flap which causes the carcasses to rotate in the opposite direction. The hair is removed from the carcasses by the constant scraping of the special JWEBaumann dehairing beaters, they are then sprayed with water, singed (4) and then rinsed again, dry scraped and ejected to the withdrawal table (5). This procedure is periodically repeated.

PRODUCT RANGE

SDM

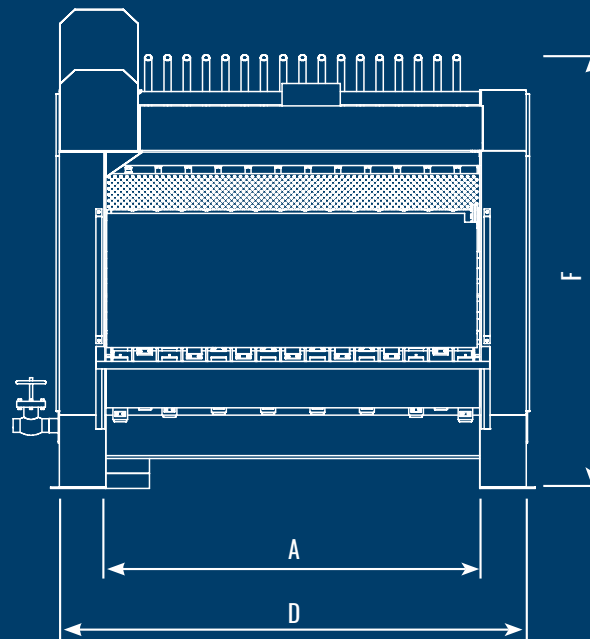
TWO-ROLL DEHAIRING MACHINE

Type	SDM 82-160-10-25	SDM 82-160-7-25	SDM 82-160-6-25	SDM 80-160-6-25	SDM 80-160-6-20	SDM 80-160-5-25	SDM 80-160-5-20	SDM 80-160-4-25
Passage width (mm)	2,500	2,500	2,500	2,500	2,000	2,500	2,000	2,500
Pigs up to (kg)	320	320	320	320	320	320	320	320
Chain-drive								
Direct drive	■	■	■	■	■	■	■	■
Windlass conveyor scalding tank								
Through-feed scalding tank	■	■	■	■	■	■	■	■
Output (pigs/h)								
200								
150								
100								
50								
0								

SDM 82-160

TWO-ROLL DEHAIRING MACHINE

WITH FULLY AUTOMATIC THROUGH-FEED SCALDING TANK



The JWE SDM 82-160 is a two-roll dehairing machine with through-feed scalding tank composed of the dehairing machine DM 82 and the through-feed scalding tank SM 160 for up to 200 pigs an hour.

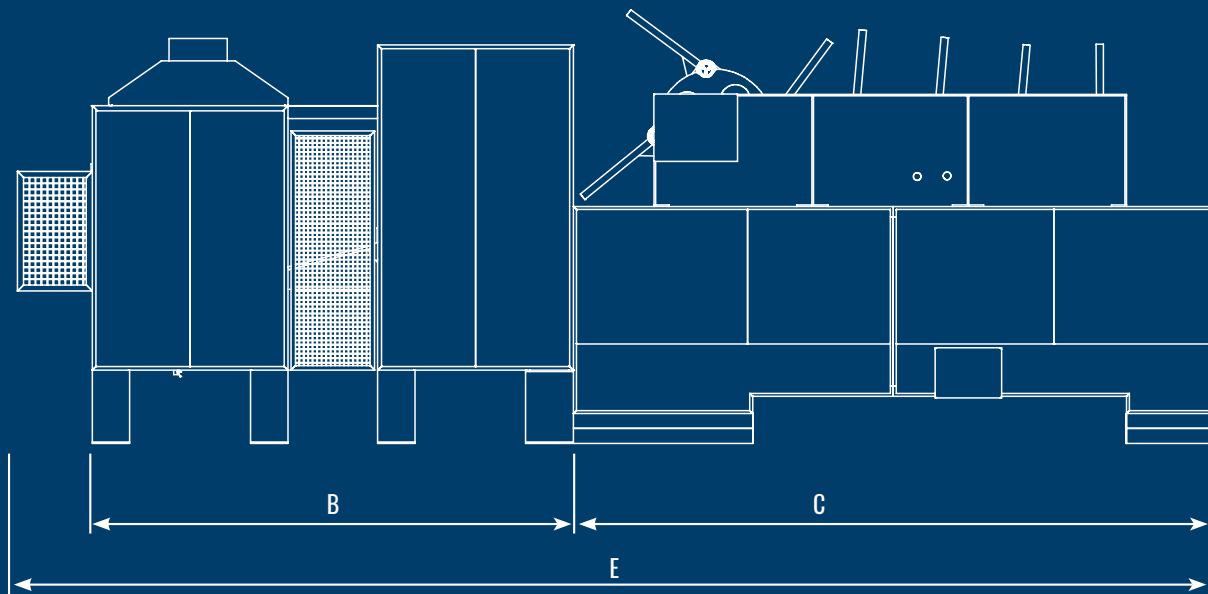
Two-roll dehairing machine JWE DM 82

- Automatically operating
- Machine body steel construction stainless steel
- Closed ejection flap, separating the dirty area from the clean area
- Dehairing roll Ø 700 mm is equipped with JWE dehairing rubber beater with special metal elements
- Dehairing roll Ø 400 mm is equipped with slightly bent JWE dehairing beaters
- Retainer ribs for dehairing pigs weighing more than 25 kg
- Direct drive
- 11,0 kW and 5,5 kW

Through-feed scalding tank JWE SM 160

- Machine body steel construction stainless steel
- Rake conveyor in segmental design, hot galvanized
- Scalding water circulation pumps guarantee optimum scalding
- Electronic temperature control





No.	Type	Pigs/h	A	B	C	D	E	F
7090400015	SDM 82-160-6-25	130	2,500 mm	3,220 mm	4,290 mm	3,125 mm	8,030 mm	3,205 mm
7090400016	SDM 82-160-7-25	150	2,500 mm	3,220 mm	4,840 mm	3,125 mm	8,580 mm	3,205 mm
7090400017	SDM 82-160-10-25	200	2,500 mm	3,220 mm	6,490 mm	3,125 mm	10,230 mm	3,205 mm

Options

Heating:

The scalding tank can be used with

- steam heating free flow or
 - warm water
- with heat exchanger.

Abflammung:

The optional singeing with 12 installed gas burners can be used with

- natural gas or
- propane gas.

Bristle conveyor:

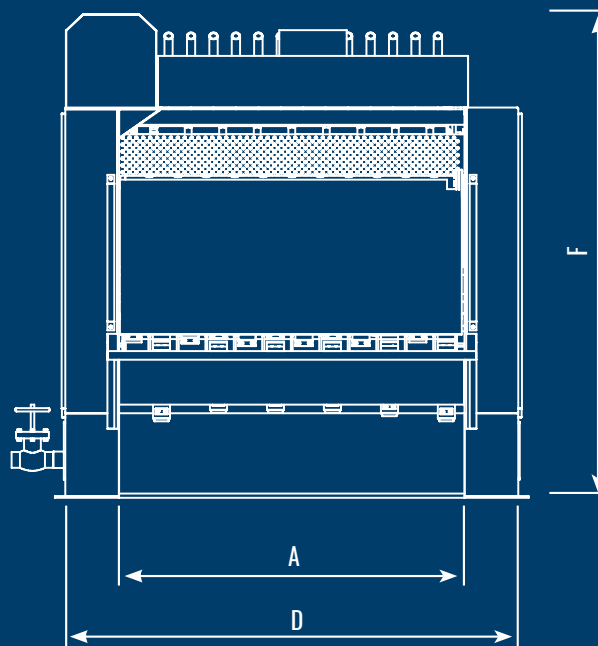
In a scalding and dehairing combination with two two-roll dehairing machines a bristle conveyor is installed. The conveyor automatically transports bristles and claws to the front.



SDM 80-160

TWO-ROLL DEHAIRING MACHINE

WITH FULLY AUTOMATIC THROUGH-FEED SCALDING TANK



The JWE SDM 80-160 is a two-roll dehairing machine with through-feed scalding tank composed of the dehairing machine DM 80 and the through-feed scalding tank SM 160 for up to 120 pigs an hour.

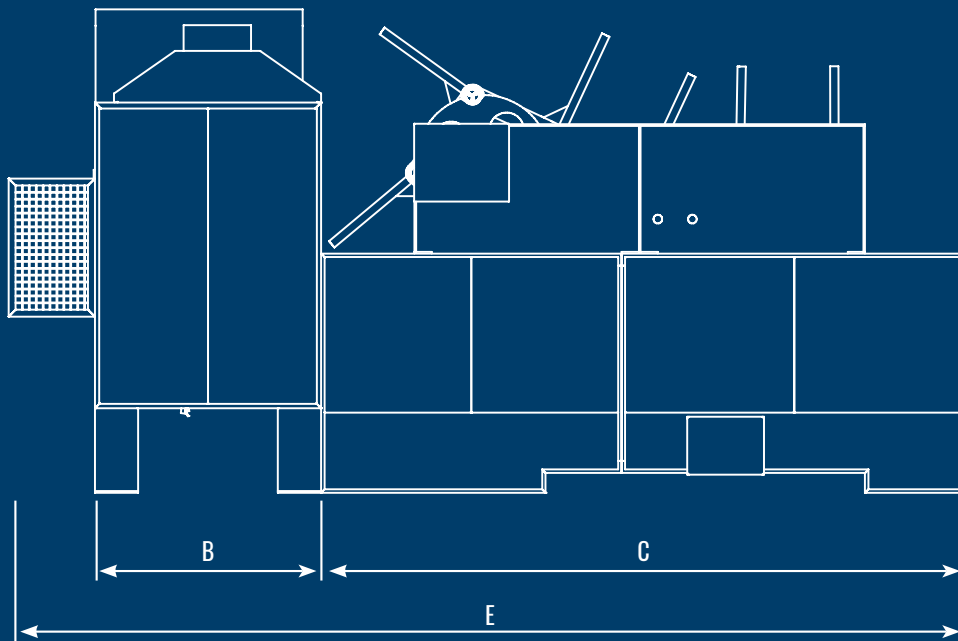
Two-roll dehairing machine JWE DM 80

- Automatically operating
- Machine body steel construction stainless steel
- Closed ejection flap, separating the dirty area from the clean area
- Dehairing roll Ø 700 mm is equipped with JWE dehairing rubber beater with special metal elements
- Dehairing roll Ø 400 mm is equipped with slightly bent JWE dehairing beaters
- Retainer ribs for dehairing pigs weighing more than 25 kg
- Direct drive
- 11,0 kW and 5,5 kW

Through-feed scalding tank JWE SM 160

- Machine body steel construction stainless steel
- Rake conveyor in segmental design, hot galvanized
- Scalding water circulation pumps guarantee optimum scalding
- Electronic temperature control





No.	Type	Pigs/h	A	B	C	D	E	F
7090400009	SDM 80-160-4-20	50	2,000 mm	1,310 mm	2,950 mm	2,625 mm	4,780 mm	2,800 mm
7090400010	SDM 80-160-4-25	100	2,500 mm	1,310 mm	2,950 mm	3,125 mm	4,780 mm	2,800 mm
7090400011	SDM 80-160-5-20	55	2,000 mm	1,310 mm	3,740 mm	2,625 mm	5,750 mm	2,800 mm
7090400012	SDM 80-160-5-25	110	2,500 mm	1,310 mm	3,740 mm	3,125 mm	5,750 mm	2,800 mm
7090400013	SDM 80-160-6-20	60	2,000 mm	1,310 mm	4,290 mm	2,625 mm	6,120 mm	2,800 mm
7090400014	SDM 80-160-6-25	120	2,500 mm	1,310 mm	4,290 mm	3,125 mm	6,120 mm	2,800 mm

Options

Heating:

The scalding tank can be used with

- steam heating free flow or
 - warm water
- with heat exchanger.

Singeing:

The optional singeing in the two-roll dehairing machine can be used with

- natural gas or
- propane gas.

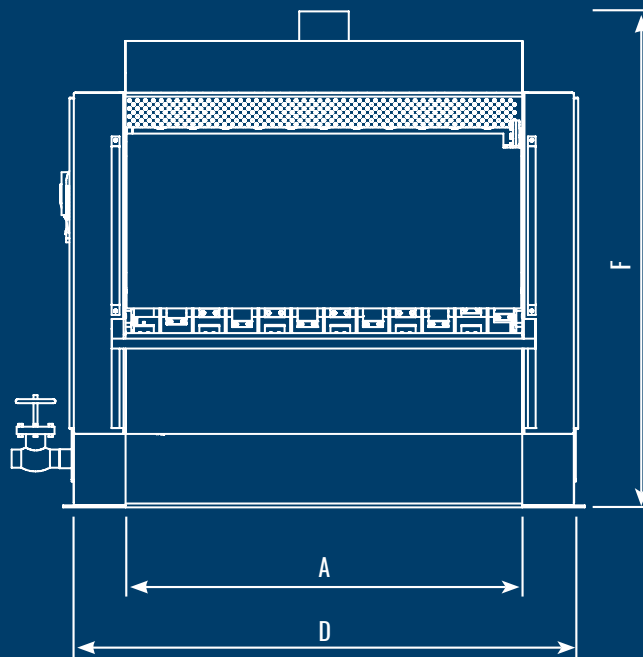
Depending on the passage width nine or twelve gas burners are installed.



SDM 50-160

TWO-ROLL DEHAIRING MACHINE

WITH FULLY AUTOMATIC THROUGH-FEED SCALDING TANK



The JWE SDM 50-160 is a two-roll dehairing machine with through-feed scalding tank composed of the dehairing machine DM 50 and the through-feed scalding tank SM 160 for up to 120 pigs an hour.

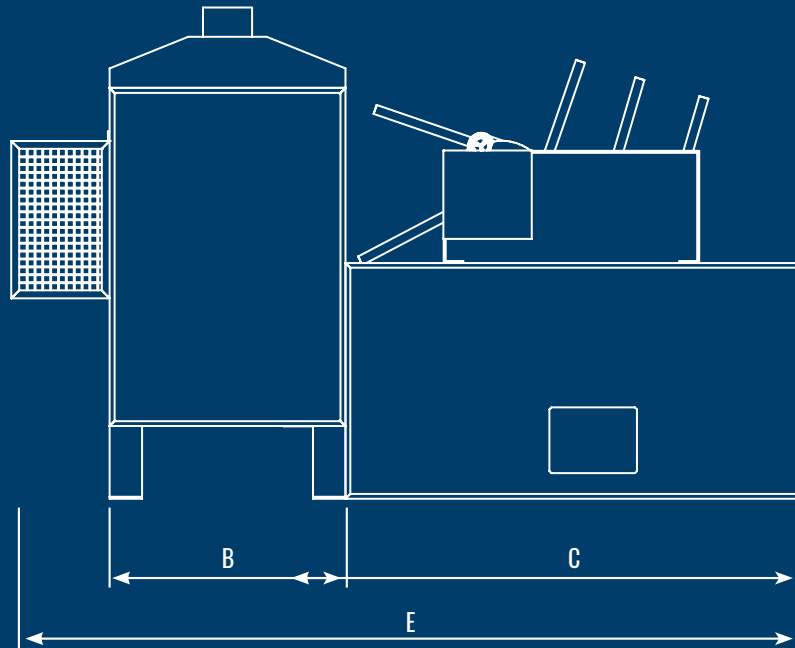
Two-roll dehairing machine JWE DM 50

- Automatically operating
- Machine body steel construction stainless steel
- Closed galvanized ejection flap, separating the dirty area from the clean area
- Dehairing roll Ø 700 mm is equipped with JWE dehairing rubber beater with special metal elements
- Dehairing roll Ø 400 mm is equipped with slightly bent JWE dehairing beaters
- Retainer ribs for dehairing pigs weighing more than 25 kg
- Chain-drive
- Drive gear motor 7,5 kW

Through-feed scalding tank JWE SM 160

- Machine body steel construction stainless steel
- Rake conveyor in segmental design, hot galvanized
- Scalding water circulation pumps guarantee optimum scalding
- Electronic temperature control





No.	Type	Pigs/h	A	B	C	D	E	F
7090400003	SDM 50-160-4-20	50	2,000 mm	1,200 mm	2,950 mm	2,625 mm	4,685 mm	2,490 mm
7090400004	SDM 50-160-4-25	100	2,500 mm	1,200 mm	2,950 mm	3,125 mm	4,685 mm	2,490 mm
7090400005	SDM 50-160-5-20	55	2,000 mm	1,200 mm	3,740 mm	2,625 mm	5,475 mm	2,490 mm
7090400006	SDM 50-160-5-25	110	2,500 mm	1,200 mm	3,740 mm	3,125 mm	5,475 mm	2,490 mm
7090400007	SDM 50-160-6-20	60	2,000 mm	1,200 mm	4,290 mm	2,625 mm	6,025 mm	2,490 mm
7090400008	SDM 50-160-6-25	120	2,500 mm	1,200 mm	4,290 mm	3,125 mm	6,025 mm	2,490 mm

Options

Heating:

The scalding tank can be used with

- steam heating free flow or
- warm water with heat exchanger.

Abflammung:

The optional singeing in the two-roll dehairing machine can be used with

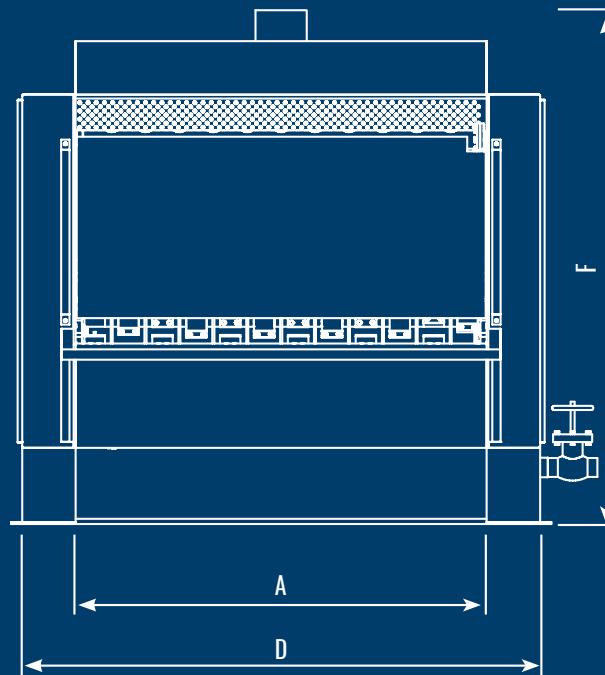
- natural gas or
- propane gas.

Depending on the passage width nine or twelve gas burners are installed.



SDM 50-60

TWO-ROLL DEHAIRING MACHINE WITH WINDLASS CONVEYOR SCALDING TANK



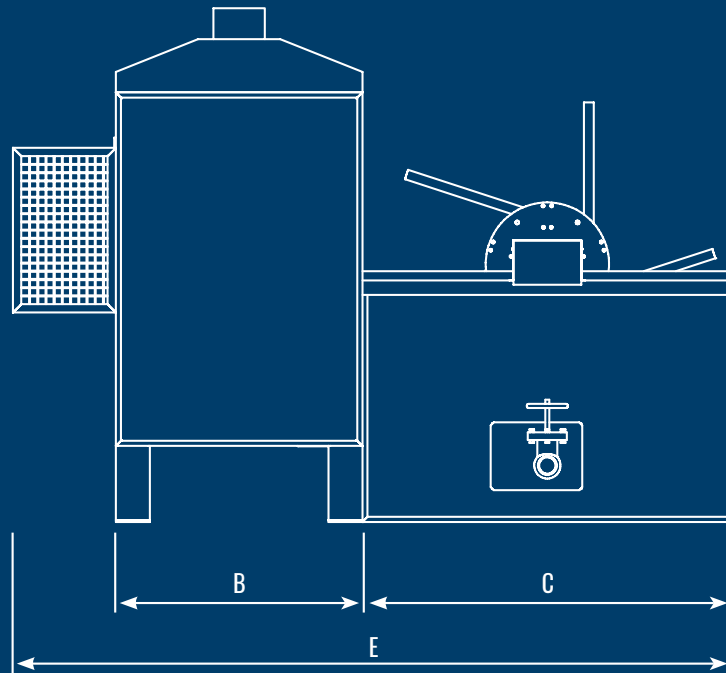
The JWE SDM 50-60 is a two-roll dehairing machine with windlass conveyor scalding tank composed of the dehairing machine DM 50 and the windlass conveyor scalding tank SM 60 for up to 40 pigs an hour.

Two-roll dehairing machine JWE DM 50

- Automatically operating
- Machine body steel construction stainless steel
- Closed galvanized ejection flap, separating the dirty area from the clean area
- Dehairing roll Ø 700 mm is equipped with JWE dehairing rubber beater with special metal elements
- Dehairing roll Ø 400 mm is equipped with slightly bent JWE dehairing beaters
- Retainer ribs for dehairing pigs weighing more than 25 kg
- Chain-drive
- Drive gear motor 7,5 kW

Windlass conveyor JWE SM 60-5

- Machine body steel construction stainless steel
- Windlass conveyor with five segments, hot galvanized
- Three pigs under water
- Scalding water circulation pumps guarantee optimum scalding
- Electronic temperature control



No.	Type	Pigs/h	A	B	C	D	E	F
7090400002	SDM 50-60-5-20	40	2,000 mm	1,200 mm	1,800 mm	2,625 mm	3,535 mm	2,640 mm



Options

Heating:

The scalding tank can be used with

- steam heating free flow,
- warm water with heat exchanger or
- electrical heating.

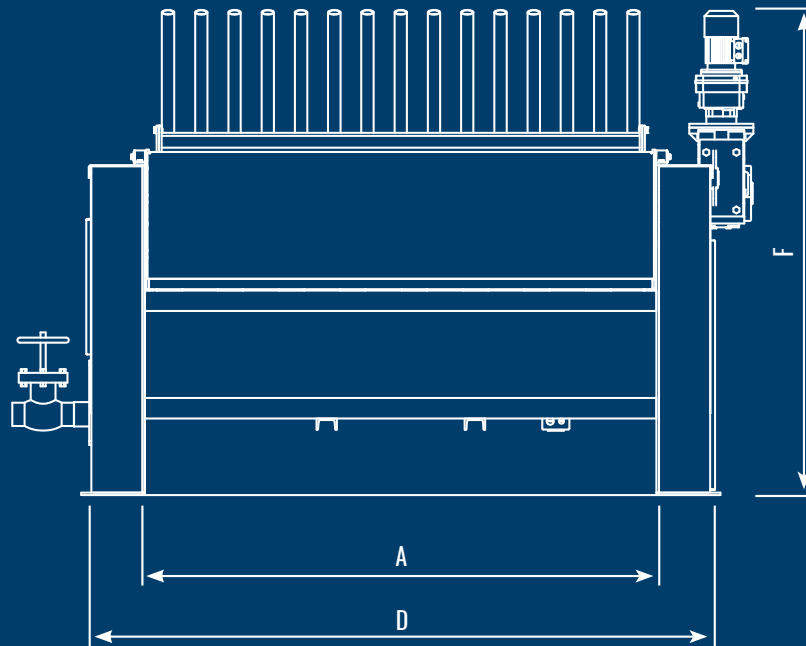
Singeing:

The optional singeing in the two-roll dehairing machine can be used with

- natural gas or
- propane gas.

SDM 16-60

TWO-ROLL DEHAIRING MACHINE WITH WINDLASS CONVEYOR SCALDING TANK



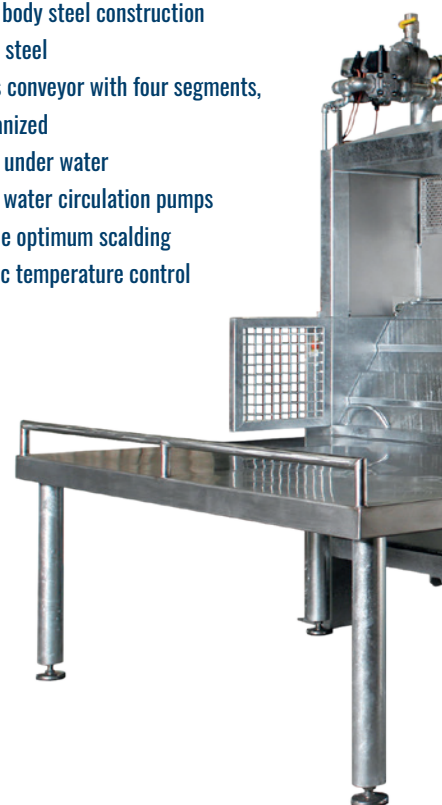
The JWE SDM 16-60 is a two-roll dehairing machine with windlass conveyor scalding tank composed of the dehairing machine DM 16 and the windlass conveyor scalding tank SM 60 for up to 25 pigs an hour.

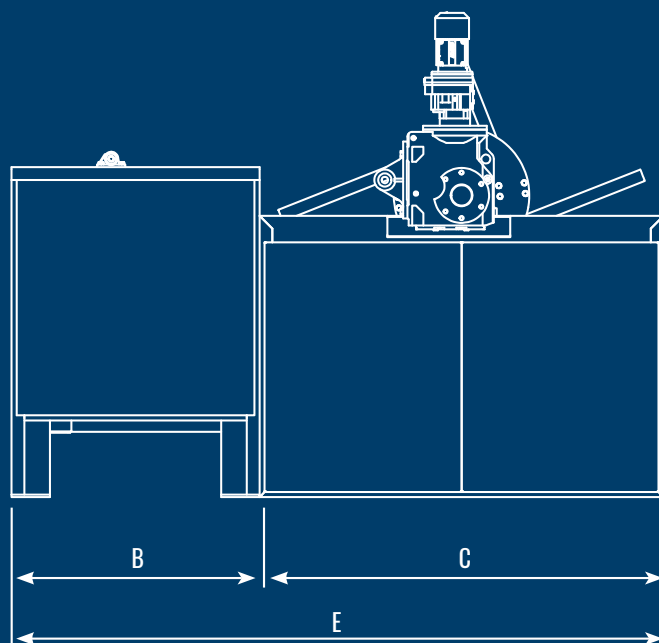
Two-roll dehairing machine JWE DM 16

- Manually operating
- Machine body steel construction stainless steel
- Closed ejection flap, separating the dirty area from the clean area
- Two dehairing rolls are equipped with slightly bent JWE dehairing beaters
- Ejection rake operate together with the ejection flap
- Chain-drive
- Drive gear motor 3,0 kW

Windlass conveyor JWE SM 60-4

- Machine body steel construction stainless steel
- Windlass conveyor with four segments, hot galvanized
- Two pigs under water
- Scalding water circulation pumps guarantee optimum scalding
- Electronic temperature control





No.	Type	Pigs/h	A	B	C	D	E	F
7090400001	SDM 16-60-4-20	25	2,000 mm	970 mm	1,580 mm	2,420 mm	2,550 mm	1,890 mm



Options

Heating:

The scalding tank can be used with

- steam heating free flow,
- warm water with heat exchanger or
- electrical heating.

Singeing:

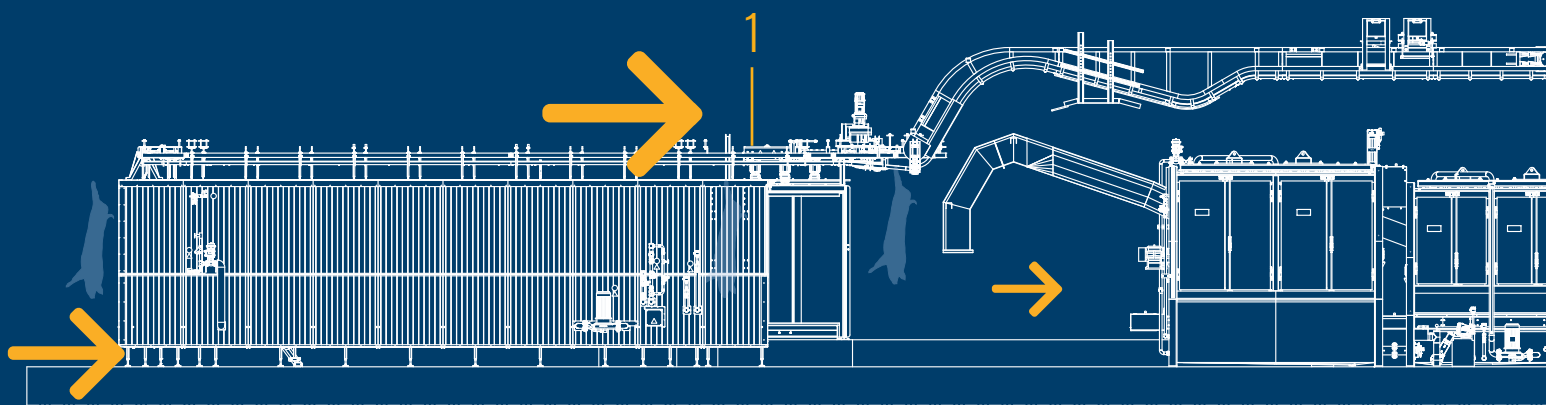
The optional singeing in the two-roll dehairing machine can be used with

- natural gas or
- propane gas.

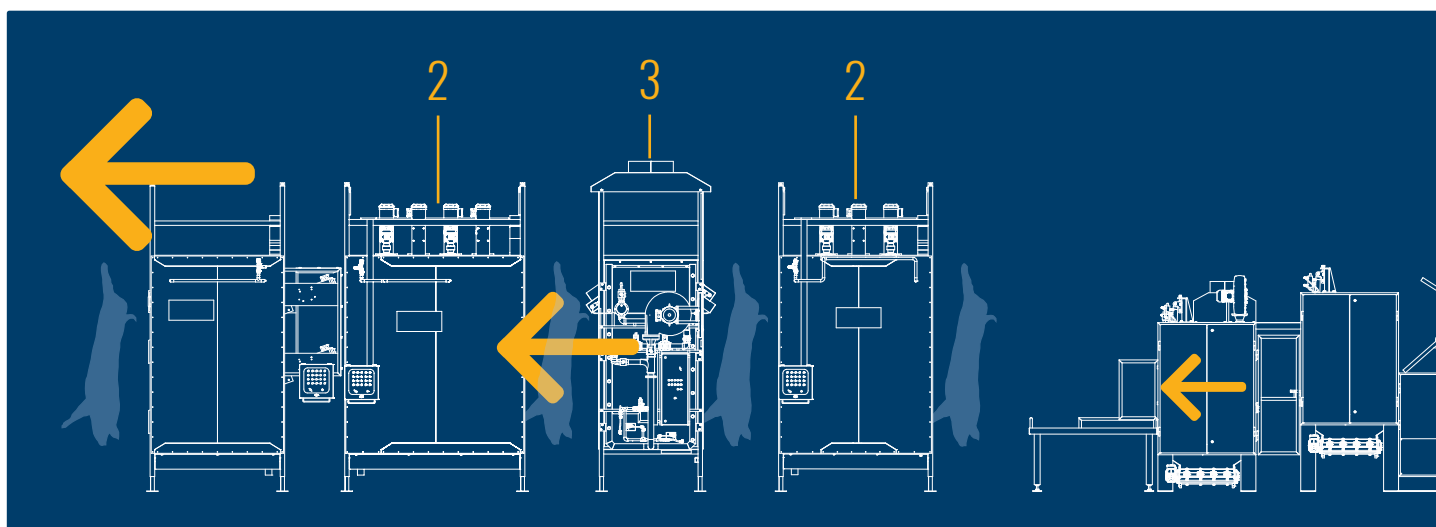
CLM /
CM
CLEANING

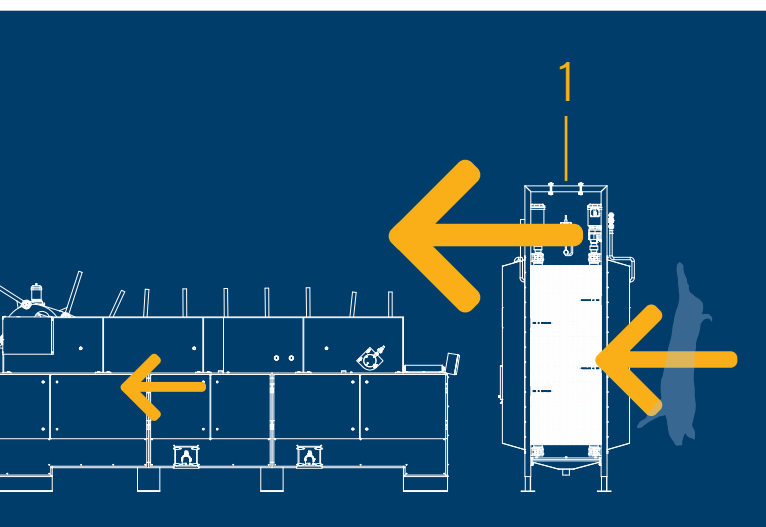
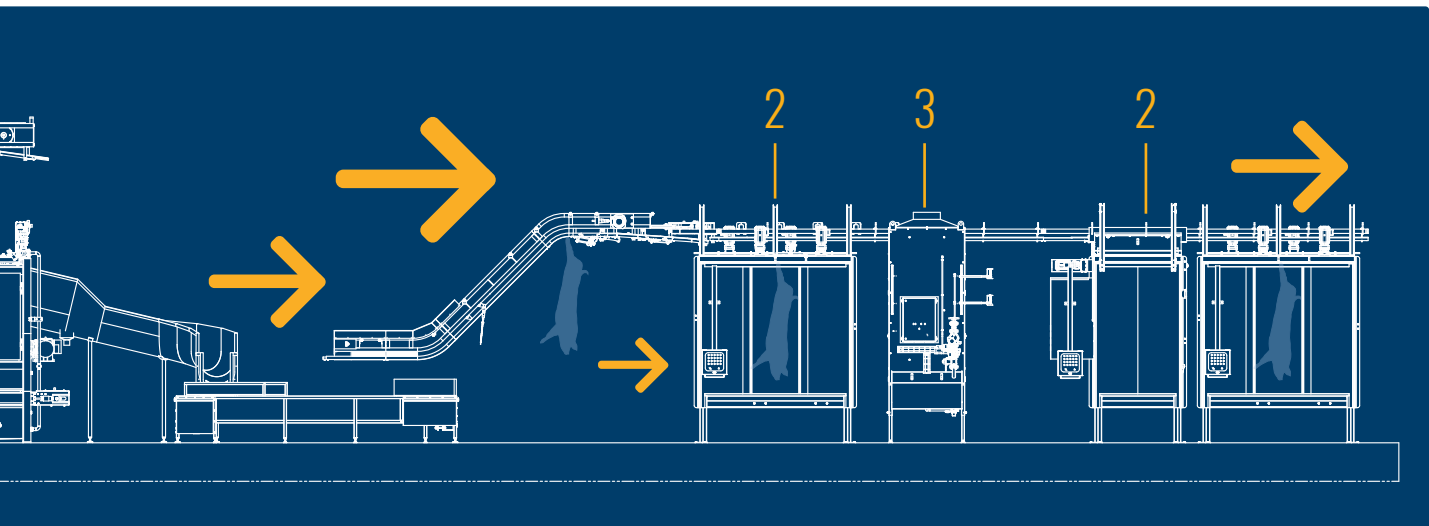
MODE OF OPERATION AND SYSTEMATICS

FOR PLANTS MORE THAN 200 PIGS/HOUR



FOR PLANTS UP TO 200 PIGS/HOUR





Optionally machines can be deployed for the highest possible carcass quality and hygiene.

These machines minimise bacterial growth and have a large, direct effect on hygiene.

In this regard JWE-Baumann offers a wide range of machines such as pre-cleaning machines (1), whipping machines (2) and singer furnaces (3).

PRODUCT RANGE

CLM/CM

PRE-CLEANING MACHINES

Type	CLM-PC-200-4VW	CLM-PC-200-3VW	CM 200-4	CM 200-3	CM 200-2
Pre-cleaning	■	■	■	■	■
Final-cleaning					
Washing rolls			4	3	2
Whipping rolls	4	3			
Water spraying	■	■			

WHIPPING MACHINES

Type	CLM-WC-750-4HW-2HB	CLM-WC-700-4HW
Pre-cleaning		
Final-cleaning	■	■
Washing rolls	2	
Whipping rolls	4	4
Water spraying	■	■

SINGER FURNACES

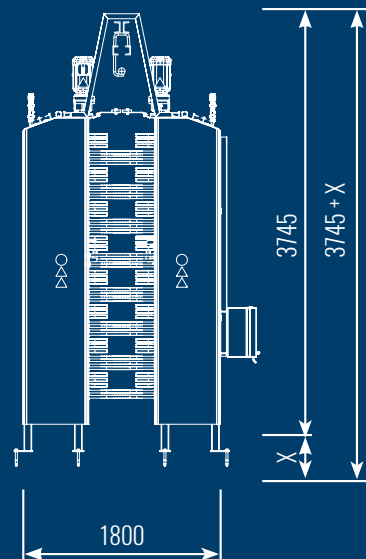
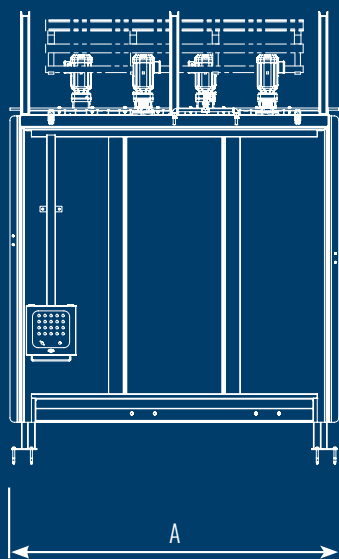
Type	CLM-SF-400-84L	CLM-SF-400-84	CLM-SF-300-56L	CLM-SF-300-56	CLM-SF-200-56L	CLM-SF-200-56	CLM-SF-200-32L	CLM-SF-200-32
Pre-cleaning								
Final-cleaning								
Gas burners	84	84	56	56	56	56	32	32
Flame ramps	6	6	4	4	4	4	2	2
High pressure		■		■		■		■
Low pressure	■		■		■		■	

CM 210-4H	CM 210-4	CM 210-3	CM 210-2	CLM-WC-300-4VW	CLM-WC-300-3VW	CLM-DC-200-4VW	CLM-DC-200-3VW	CLM-PC-200-4VW	CLM-PC-200-3VW
■	■	■	■	■	■	■	■	■	■
4	4	3	2	4	3	4	3	4	3
				■	■			■	■

CM 250-6	CM 250-4	CM 250-2
■	■	■
48	30	15
2	2	1

CLM-PC

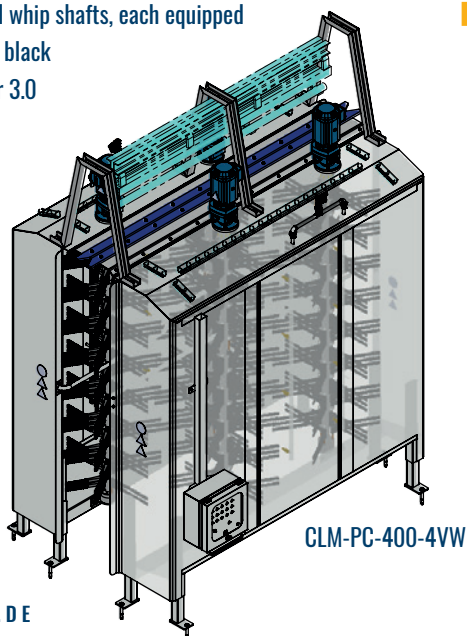
PRE-WASHING MACHINE



X = dependet from the pipe rail hight

Specifications

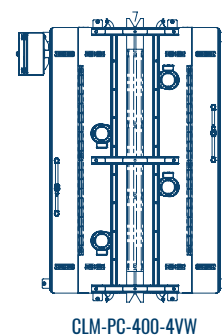
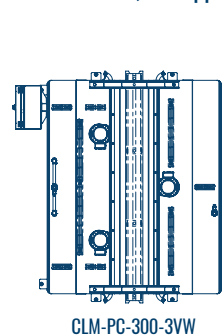
- Hygienic sheet metal construction, stainless steel
- Height-adjustable machine feet for mounting on the floor or a drip tray
- Spraying device for cleaning the whip shafts and for spraying the carcasses of the animal carcasses
- Vertically arranged whip shafts, each equipped with plastic whips, black
- Robust drive motor 3.0



No.	Type	Whipping rolls	A
7100100001	CLM-PC-300-3VW	3	2,400 mm
7100100002	CLM-PC-400-4VW	4	3,000 mm

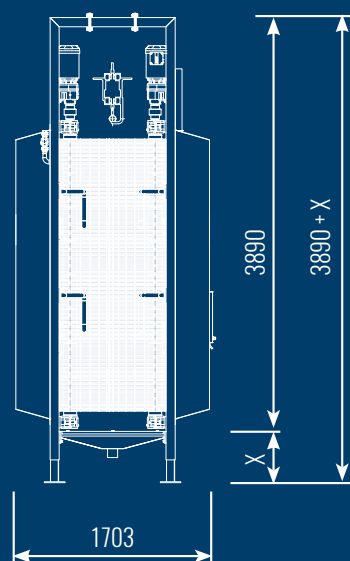
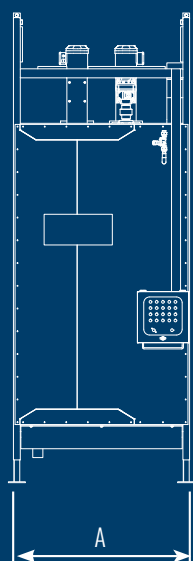
Options

- Available with 3, 4 whipping rolls



CM 200

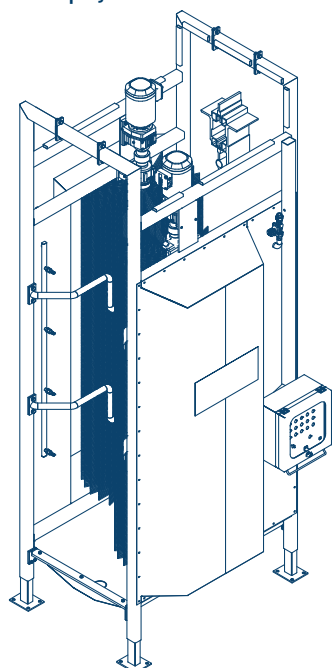
PRE-WASHING MACHINE



X = dependet from the pipe rail hight

Specifications

- For cleaning bleded pigs
- Frame and sheeting made of stainless steel
- Washing rolls with removable brushes
- The rolls are rotating with and against the transportation direction
- Special water spray nozzles

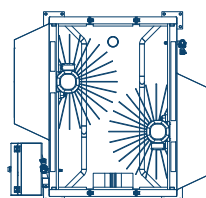


CM 200-2

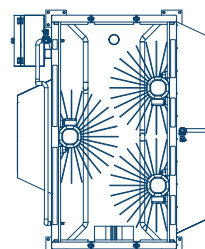
No.	Type	Washing rolls	A
7100100010	CM 200-2	2	1,550 mm
7100100011	CM 200-3	3	2,060 mm
7100100012	CM 200-4	4	2,410 mm

Options

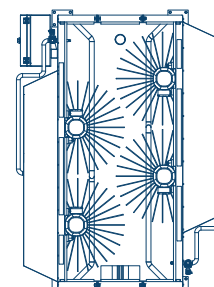
- Available with 2, 3, 4 washing rolls



CM 200-2



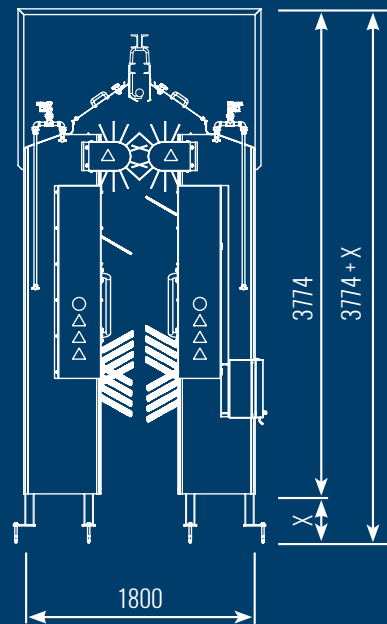
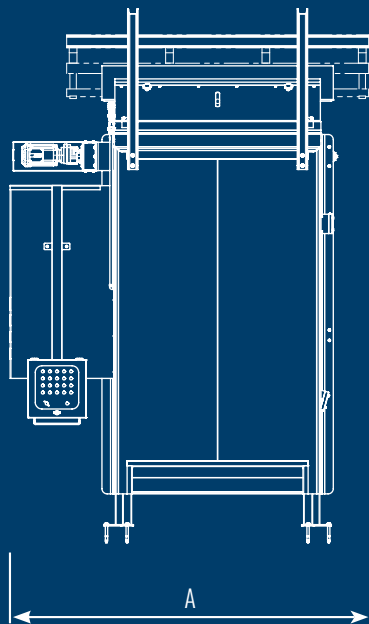
CM 200-3



CM 200-4

CLM-WC-750-4HW-2HB

WHIPPING MACHINE

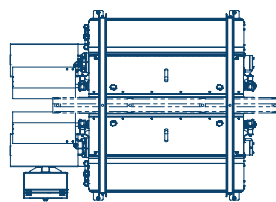


X = dependet from the pipe rail hight

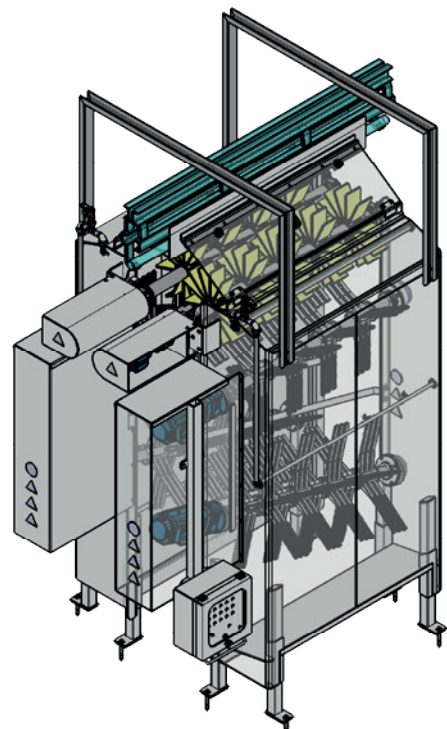
Specifications

- Hygienic sheet metal construction, stainless steel
- Height-adjustable machine feet for mounting on the floor or a floor or a drip tray
- Spraying device for cleaning the whip shafts and for spraying the for spraying the carcasses
- 2 horizontally arranged whip shafts, each equipped with 81 plastic whips, white
- 2 whip shafts arranged in an inclined position, each equipped with 72 plastic whips, white
- 2 horizontally arranged brush shafts, each fitted with 126 strip brushes each
- Robust drive motor

No.	Type	Whipping rolls	Washing rolls	A
7100100008	CLM-WC-750-4HW-2HB	4	2	2,514 mm

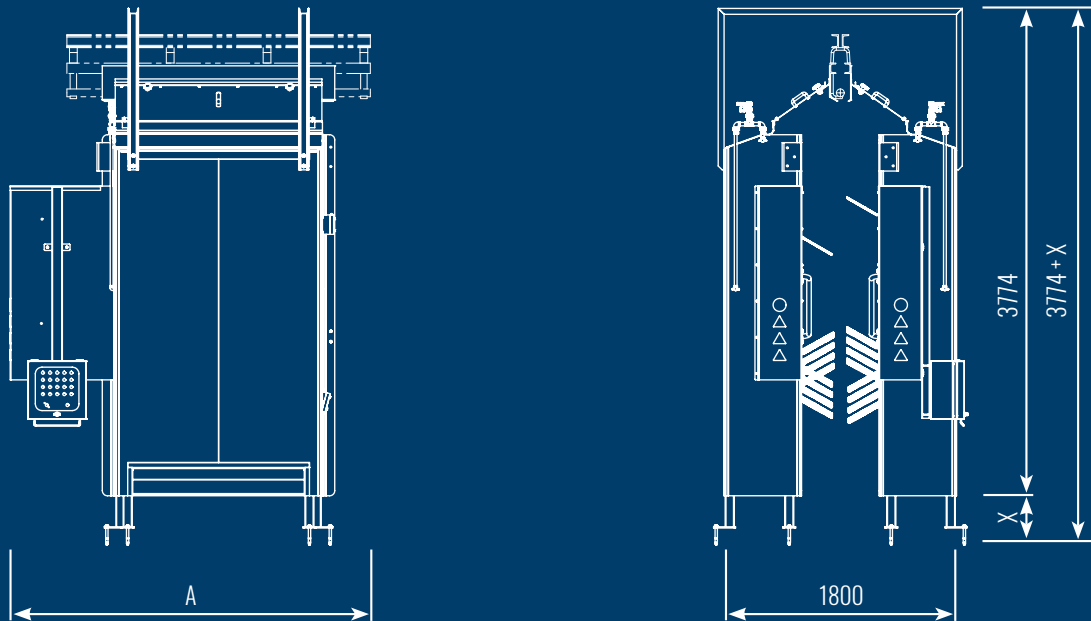


CLM-WC-700-4HW-2HB



CLM-WC-700-4HW

WHIPPING MACHINE

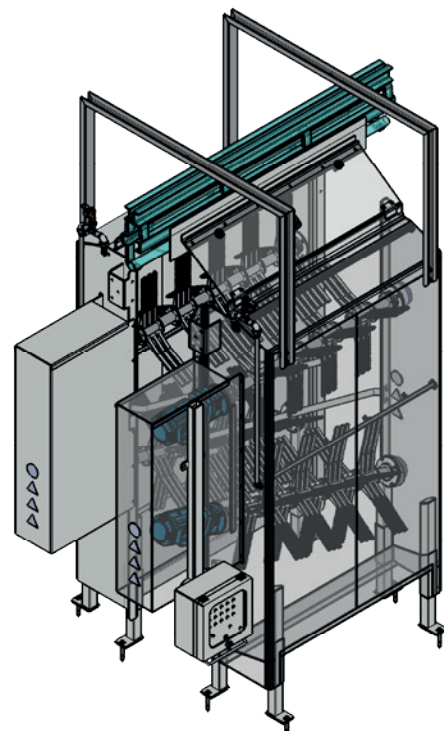
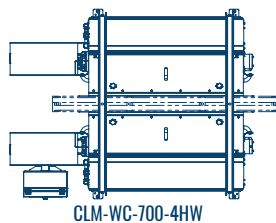


X = dependet from the pipe rail height

Specifications

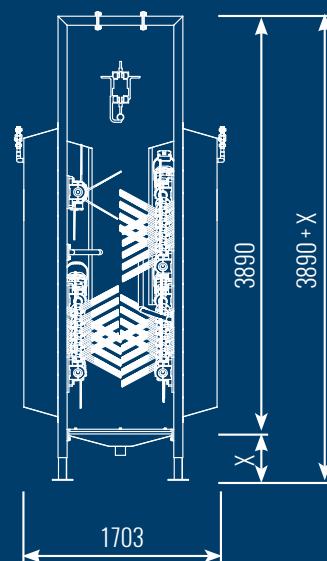
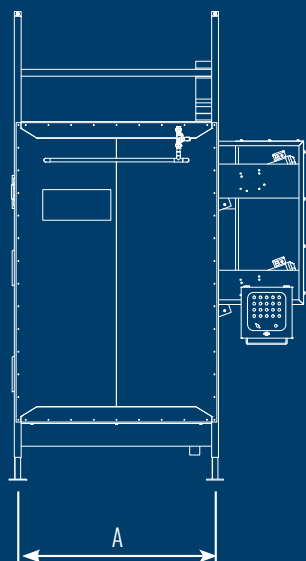
- Hygienic sheet metal construction, stainless steel
- Height-adjustable machine feet for mounting on the floor or floor or a drip tray
- Spraying device for cleaning the whip shafts as well as for spraying the carcasses
- 2 horizontally arranged whip shafts, each equipped with 81 plastic whips, white
- 2 whip shafts arranged in an inclined position, each equipped with 72 plastic whips each, white
- Robust drive motor

No.	Type	Whipping rolls	A
7100100007	CLM-WC-700-4HW	4	2,514 mm



CM 210-4H

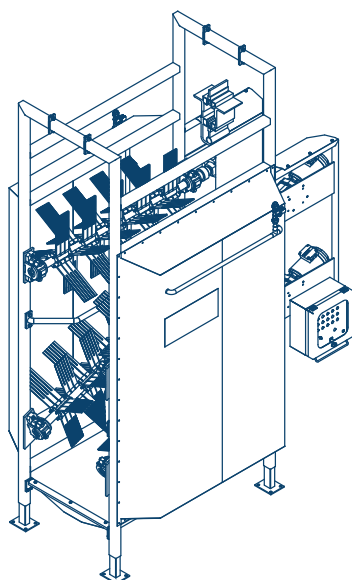
WHIPPING MACHINE



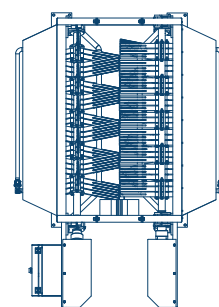
X = dependet from the pipe rail hight

Specifications

- For cleaning the pigs after dehairing
- Frame and sheeting made of stainless steel
- 4 whipping rolls with synthetic whips
- The rolls are rotating with and against the transportation direction
- Special water spray nozzles



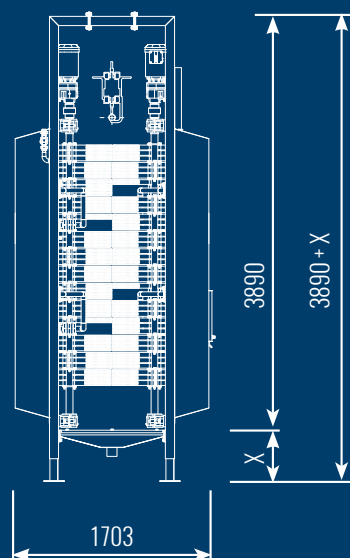
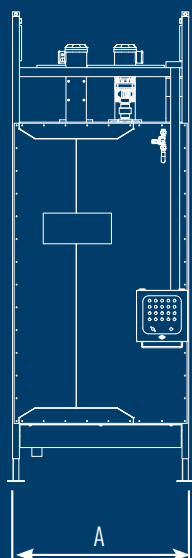
No.	Type	Whipping rolls	A
7100100016	CM 210-4H	4 Horizontal	1,800 mm



CM 210-4H

CM 210

WHIPPING MACHINE



X = dependet from the pipe rail hight

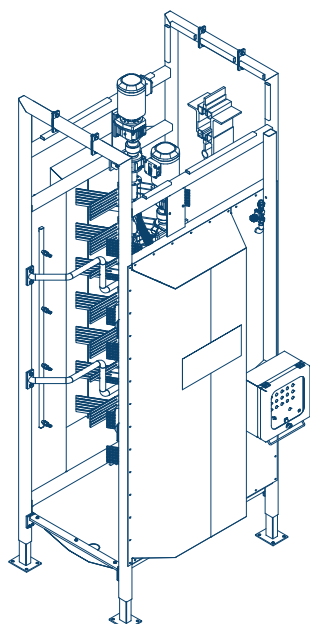
Specifications

- For cleaning the pigs after dehairing
- Frame and sheeting made of stainless steel
- Whipping rolls with synthetic whips
- The rolls are rotating with and against the transportation direction
- Special water spray nozzle

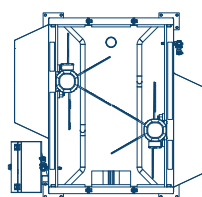
No.	Type	Whipping rolls	A
7100100013	CM 210-2	2	1,550 mm
7100100014	CM 210-3	3	2,060 mm
7100100015	CM 210-4	4	2,410 mm

Options

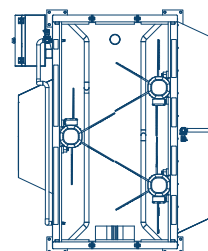
- Available with 2, 3, 4 whipping rolls



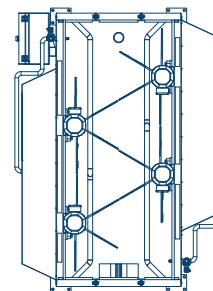
CM 210-2



CM 210-2



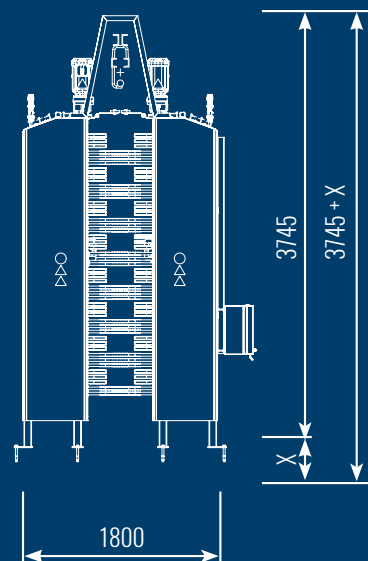
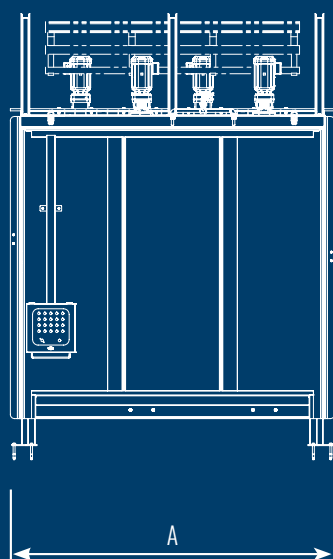
CM 210-3



CM 210-4

CLM-WC

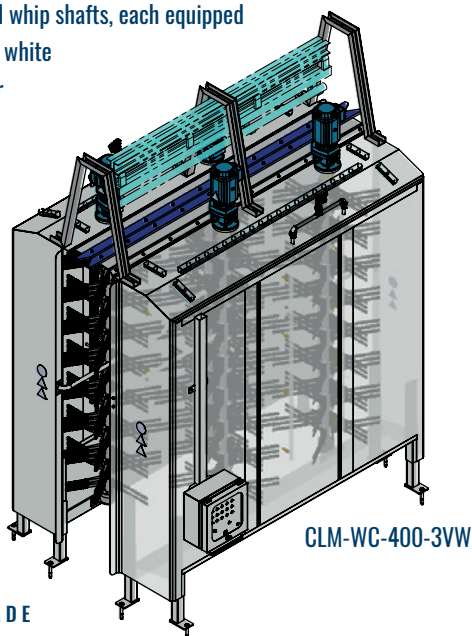
WHIPPING MACHINE



X = dependet from the pipe rail hight

Specifications

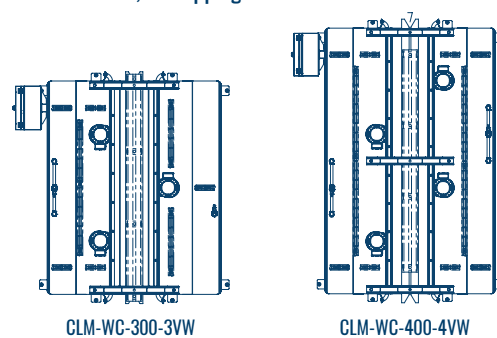
- Hygienic sheet metal construction, stainless steel
- Height-adjustable machine feet for mounting on the floor or a floor or a drip tray
- Spraying device for cleaning the whip shafts and for spraying the carcasses
- Vertically arranged whip shafts, each equipped with plastic whips, white
- Robust drive motor



No.	Type	Whipping rolls	A
7100100005	CLM-WC-300-3VW	3	2,400 mm
7100100006	CLM-WC-400-3VW	4	3,000 mm

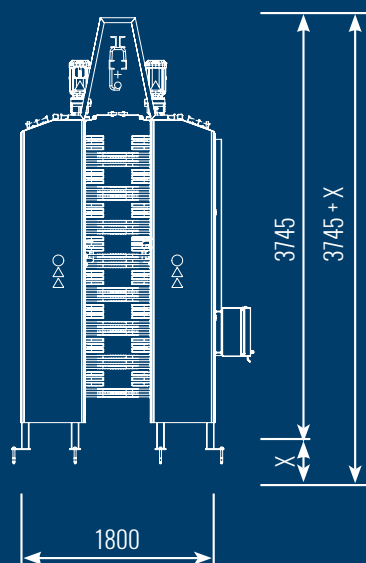
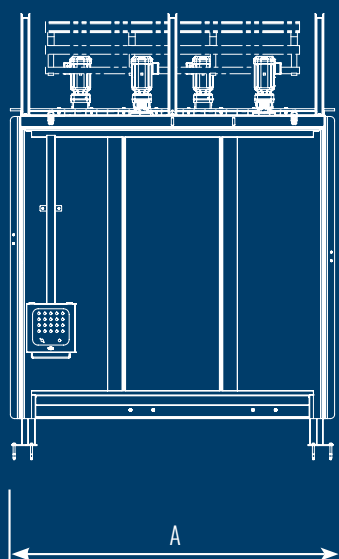
Options

- Available with 3, 4 whipping rolls



CLM-DC

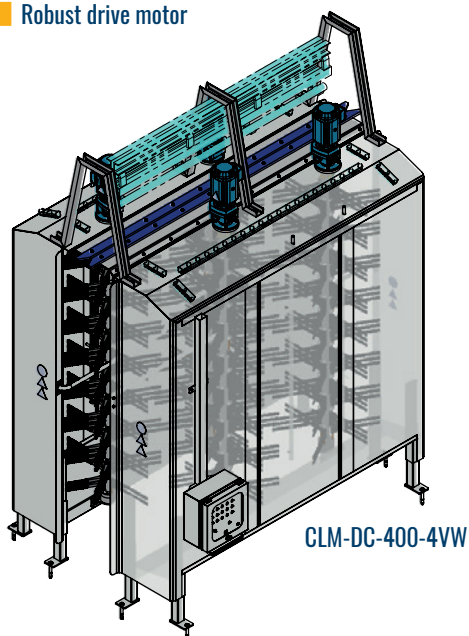
DRY WHIPPING MACHINE



X = dependet from the pipe rail hight

Specifications

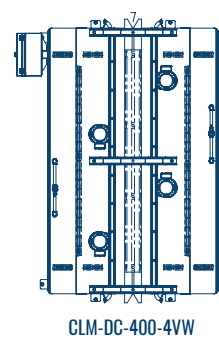
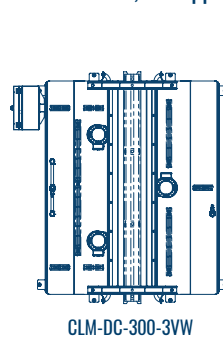
- Hygienic sheet metal construction, stainless steel
- Height-adjustable machine feet for mounting on the floor or a drip tray
- Vertically arranged whip shafts, each equipped with plastic whips, black
- Robust drive motor



No.	Type	Whipping rolls	A
7100100003	CLM-DC-300-3VW	3	2,400 mm
7100100004	CLM-DC-400-4VW	4	3,000 mm

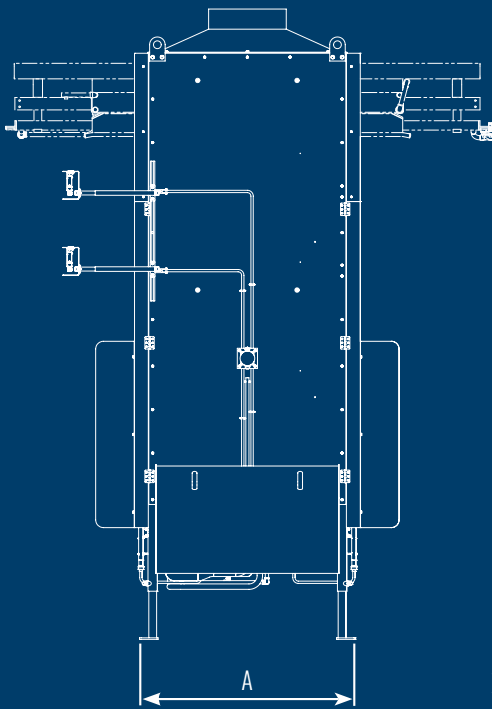
Options

- Available with 3, 4 whipping rolls

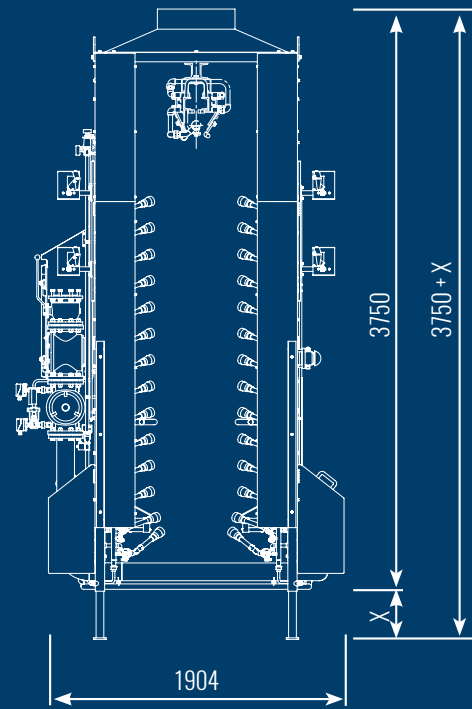


CLM-SF

SINGER FURNACES



X = dependet from the pipe rail hight



Specifications

Machine body:

- Hygienic frame construction made of sheet metal and profile parts, stainless steel
- 2 maintenance doors of stainless steel on both sides to reach the flame ramps
- Protective boxes of stainless steel to cover the terminal boxes
- Exhaust bonnet made of stainless steel

Gas distribution:

- DVGW-tested according to DIN-DVGW-Reg. No. NG-2508 BU0264
- Main gas distribution with gas motor valve, suitable for natural and liquid gas
- Gas connection DN 40 / DN 65
- Flame ramps, painted yellow, each equipped with injector burners
- Air supply adjustable at the burner
- Gas piping made of stainless steel, painted yellow
- Air piping made of stainless steel

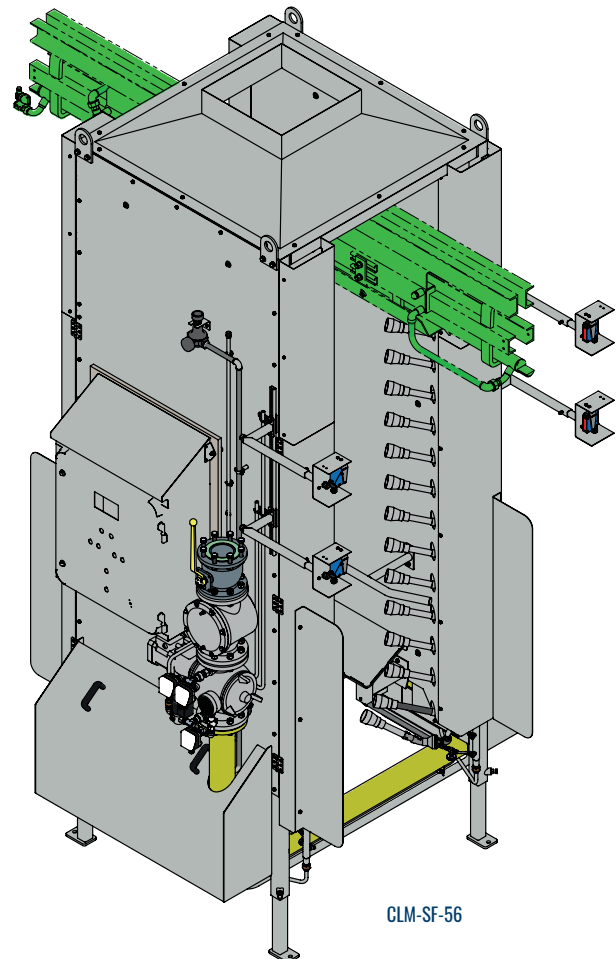
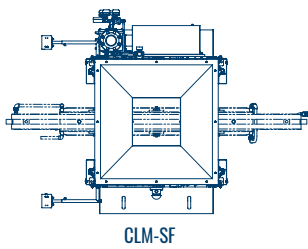
Control:

- Stainless steel control box, incl. HMI display and controls
- Stainless steel terminal box housing, incl. all necessary control components
- Siemens S7 control system
- Light barriers for safety-relevant animal body scanning
- Flame time individually adjustable via SPS
- Integrated query of the water flow rate at the cooling frame

Options

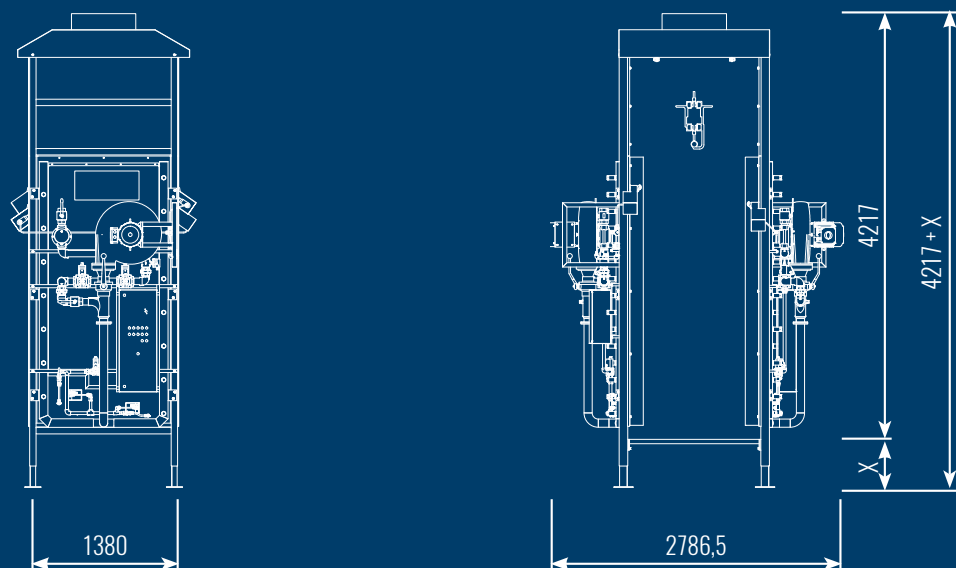
- Available in high-pressure or low-pressure variants

No.	Type	Flame ramps	Gas burners	A
7100200001	CLM-SF-200-32	2	32	1,450 mm
7100200002	CLM-SF-200-32L	2	32	1,450 mm
7100200003	CLM-SF-200-56	4	56	1,450 mm
7100200004	CLM-SF-200-56L	4	56	1,450 mm
7100200005	CLM-SF-300-56	4	56	1,720 mm
7100200006	CLM-SF-300-56L	4	56	1,720 mm
7100200007	CLM-SF-400-84	6	84	2,320 mm
7100200008	CLM-SF-400-84L	6	84	2,320 mm



CM 250

SINGER FURNACES



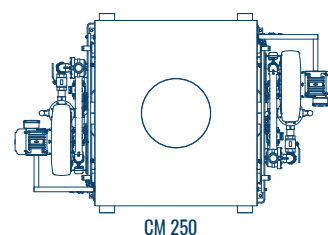
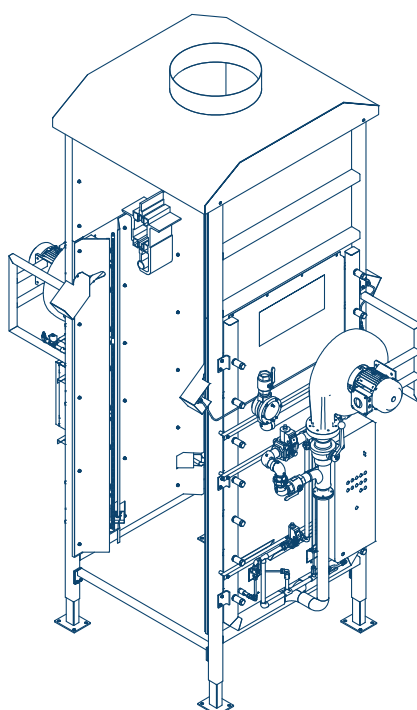
X = dependet from the pipe rail hight

JWE singer furnaces minimise bacterial growth and have a large, direct effect on hygiene.

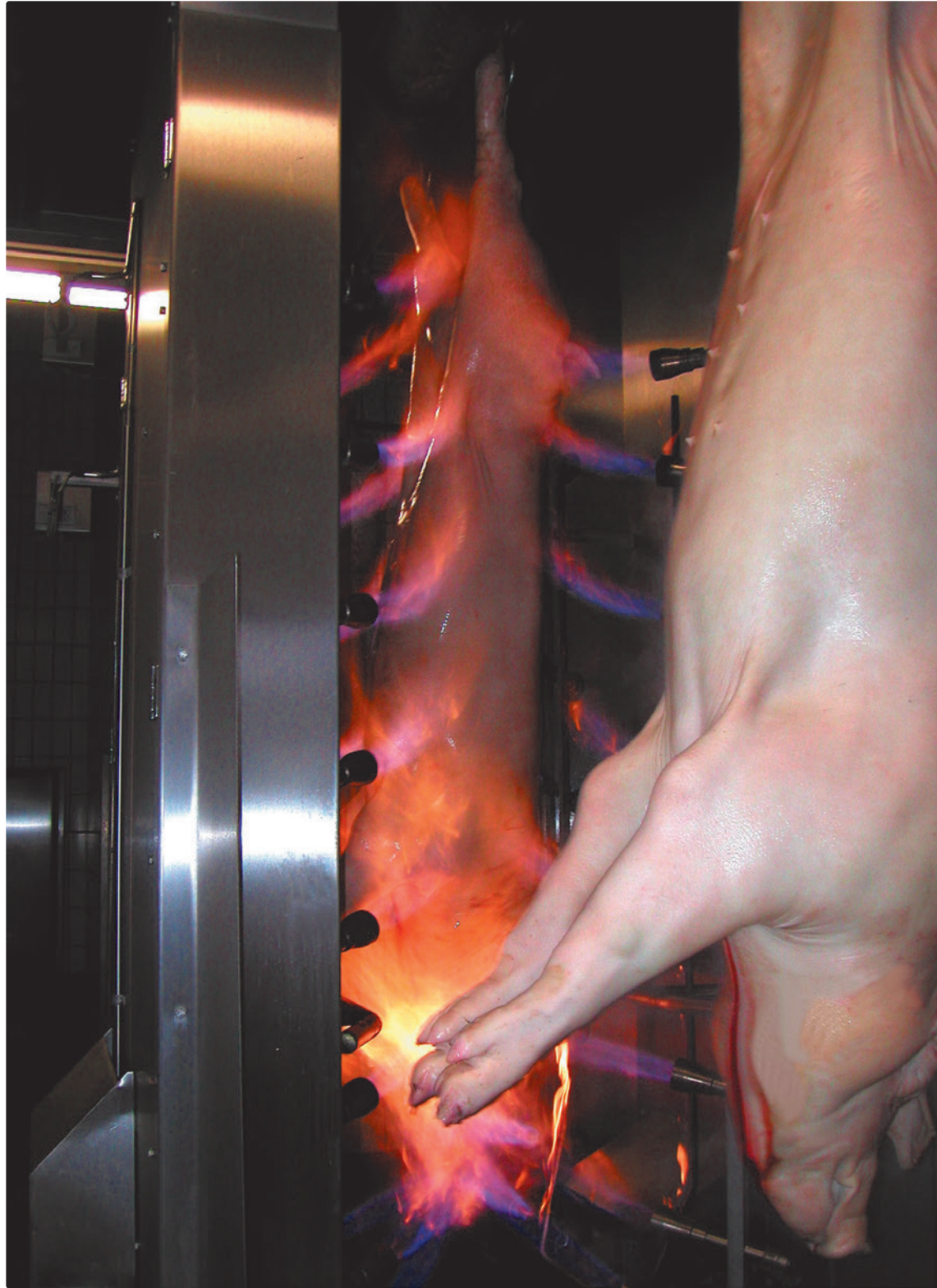
Specifications

- Steel section structure made of stainless steel
- Sheet stainless steel cladding, heat resistant
- Devices for holding the flame ramps with gas fittings
- Flame ramps with special JWE injector all-gas burners
- Equipped with all the necessary valves and fittings for maximum possible safety

No.	Type	Flame ramps	Gas burners
7100200012	CM 250-2	1	15
7100200013	CM 250-4	2	30
7100200014	CM 250-6	2	48



CM 250



EVERYTHING FOR CATTLE

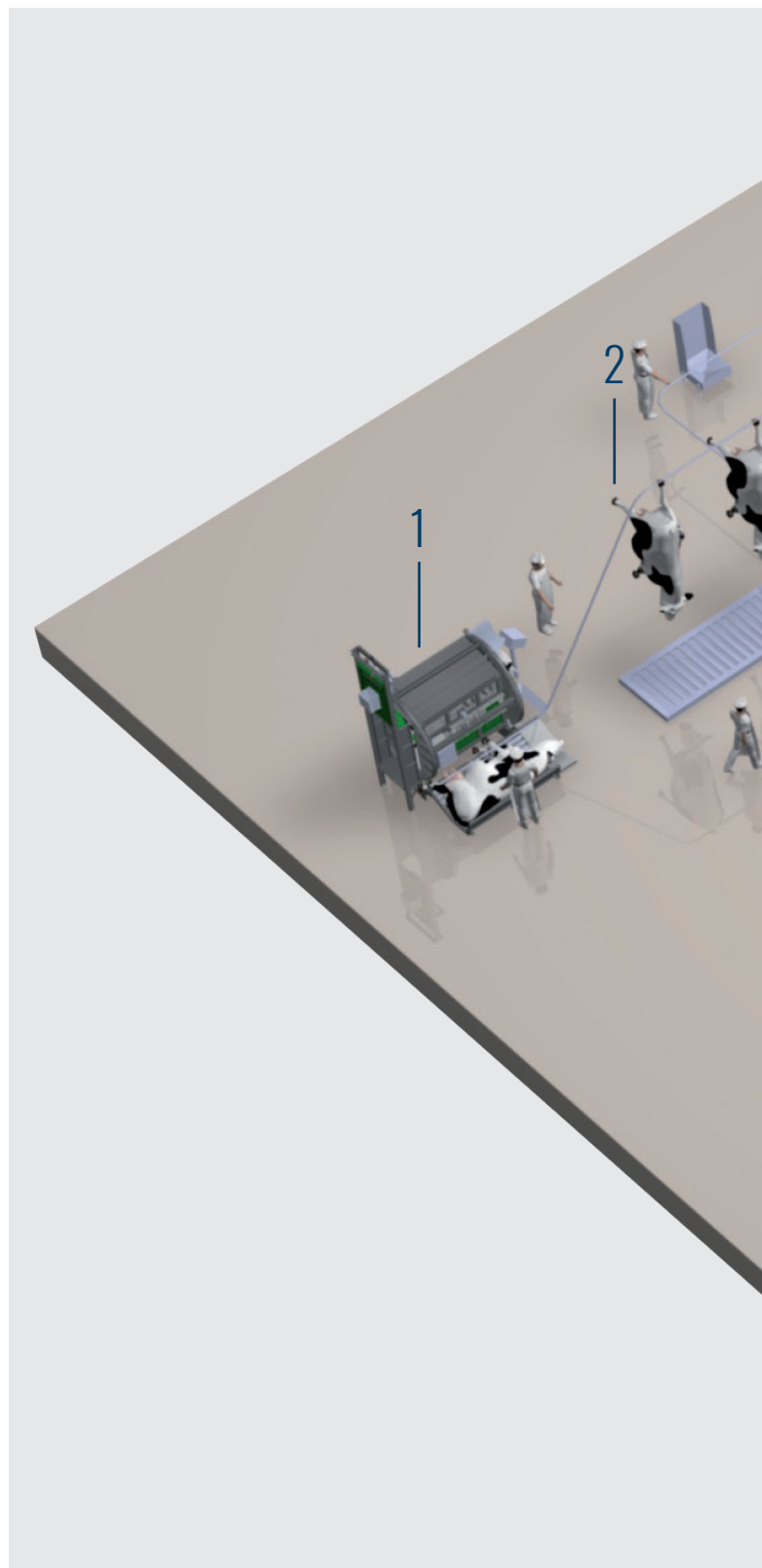
JWE-BANSS designs, constructs and fabricates complete machines and systems engineering for slaughtering cattle – individually adapted to customer needs and as complete, turnkey system solutions on request.

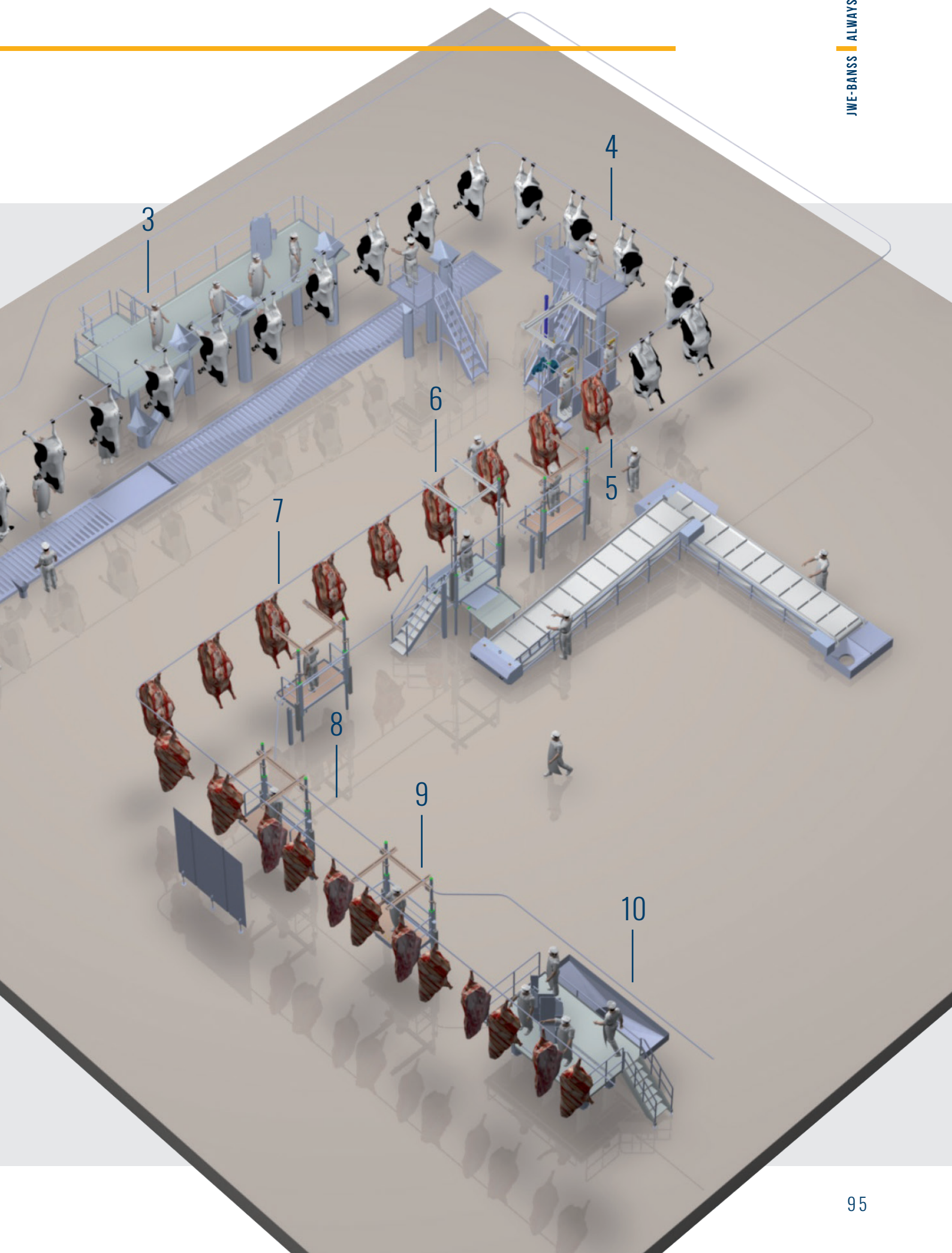
As a globally operating company with decades of experience, we are familiar with all specific requirements that need to be considered in the planning of modern cattle slaughtering lines. Therefore, our individually customized systems – regardless of the automation level – meet all requirements with regard to animal welfare, hygiene, ergonomics, occupational health and safety and environmental protection. We work with great care on the quality of our products, designing them for a long service life and the greatest possible reliability.

Since JWE-BANSS has been working closely with research and development institutions for many years, we are always able to incorporate the latest scientific findings into innovative system solutions.

Complete Plants and Systems for Cattle Slaughtering

1. Stunning
2. Bleeding
3. Reassign pre-dehiding
4. Bung dropper
5. Dehiding
6. Paunch removal
7. Offal removal
8. Splitting
9. Trimming
10. Inspection





BRF-II HY

STUNNING BOX



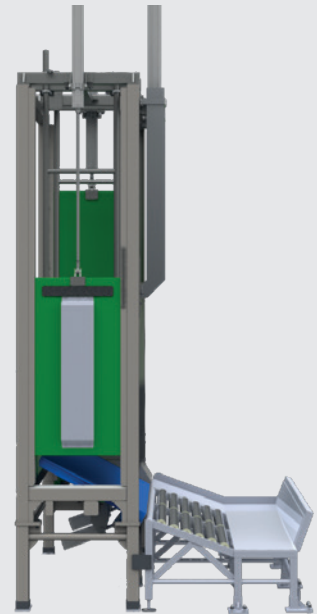
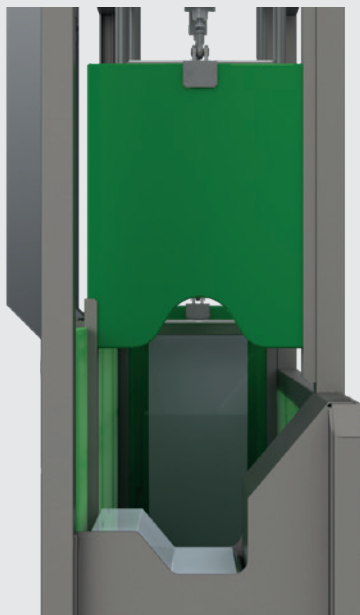
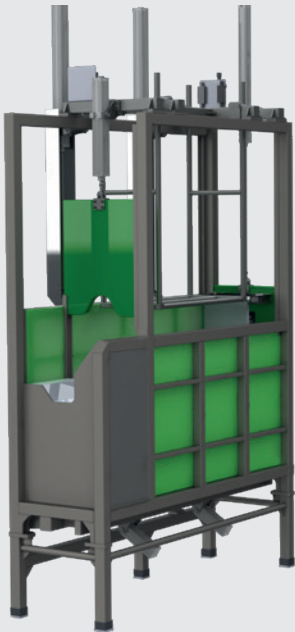
Specifications

- Stunning box designed for cattle and calves
- Slaughter capacity up to 100 heads/hr
- Head and neck restraint device designed with both vertical and horizontal movement
- Adjustable side wall to retain calves
- Robust and slip-resistant dump box floor



BRF-I

STUNNING BOX



Specifications

- Head restrainer meets modern standards of animal welfare
- With integrated double advance system
- For captive bolt stunning
- With hydraulic or pneumatic drive
- Also available in stainless steel construction
- Robust dump box floor with low noise design

WITH THE JWE-BANSS CATTLE STUNNING EQUIPMENT, THE RISK OF STUNNING FAILURE IS GREATLY MINIMIZED THROUGH THE USE OF A HEAD RESTRAINER DEVICE.

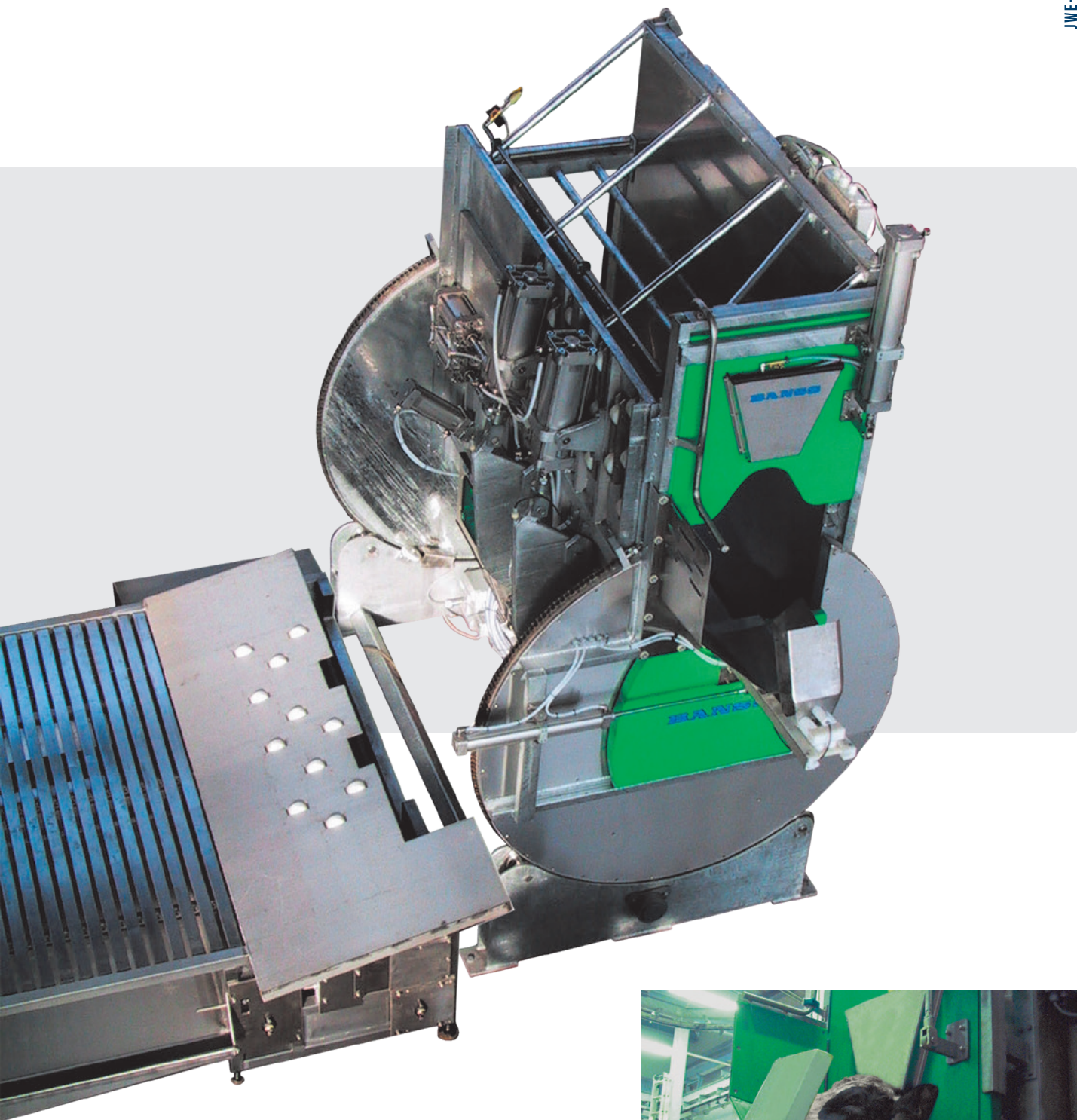
MGB

MULTIFUNCTIONAL CATTLE STUNNING BOX



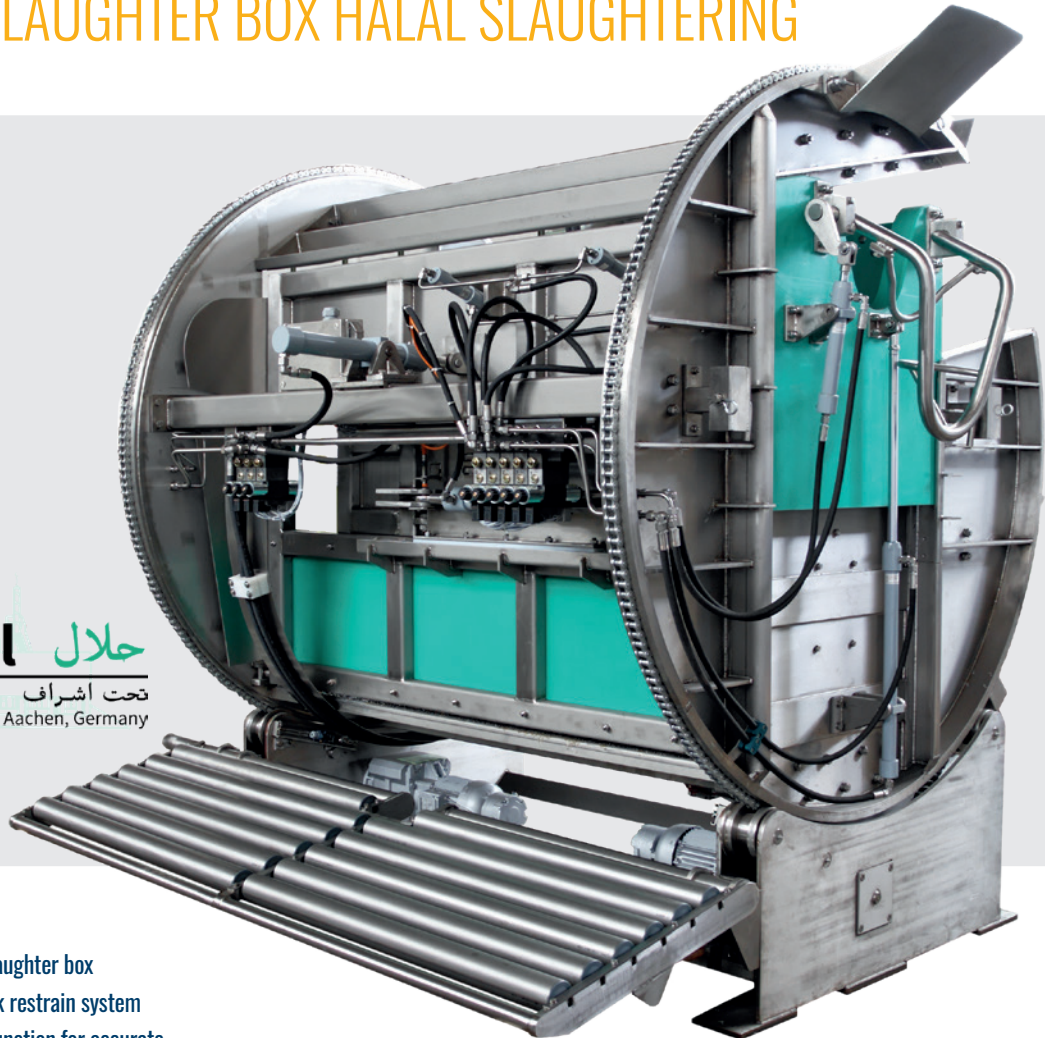
Specifications

- Complete stunning box can be rotated
- Animal is slightly lifted and safely held by means of the breast and abdomen support
- Two electrodes integrated into the neck area
- Heart electrode integrated into the breast support
- Head is freely accessible during the entire stunning process
- Blood removal directly after the current flow has ended (sticking slide)
- Gentle transfer onto a landing grid or plate conveyor



BKT – HALAL

RITUAL SLAUGHTER BOX HALAL SLAUGHTERING



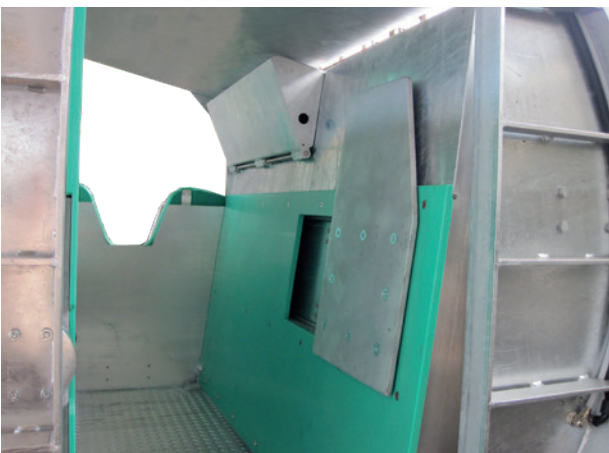
Specifications

- Fully rotational slaughter box
- Full head and neck restrain system
- Neck stretching function for accurate ritual cut
- Gentle transfer into the shackling position



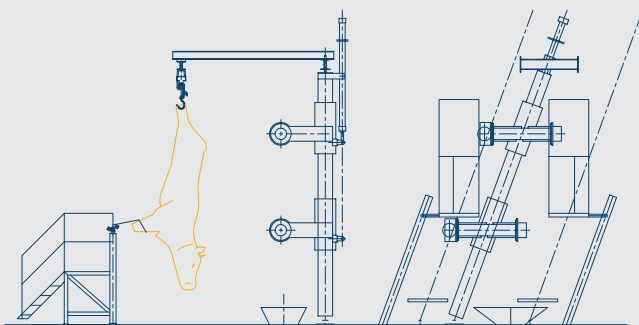


JWE-BANSS UNIQUE HALAL SLAUGHTER BOX HAS BEEN SPECIALLY DESIGNED AND CONSTRUCTED TO MEET STRINGENT RITUAL AND FUNCTIONALITY REQUIREMENTS.

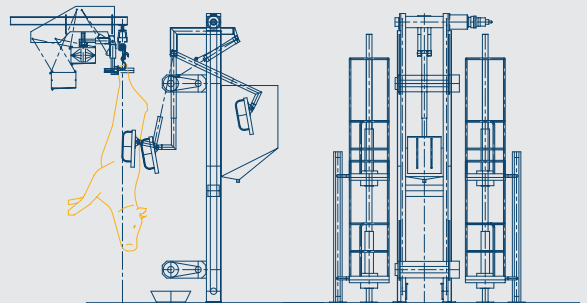


BE

DEHIDING



BE3



BE4 and BE6

JWE-BANSS offers our customers state-of-the-art cutting edge technology. Our dehiders for cattle, horses and calves with or without front feet shackling are suited for various installation for either continuous or non-synchronous slaughtering facilities.

Roller dehider BE3

Options:

- Electro-pneumatic system
- Electro-hydraulic system
- Capacity: 75 cattle/hr (max.)

Roller dehider BE4

Options:

- Hydraulic system
- With shock device, without front feet shackling
- Capacity: 60 cattle/hr (max.)

Roller dehider BE6

Options:

- Hydraulic system
- Without shock device, with front feet shackling
- Capacity: 75 cattle/hr (max.)

Roller dehider BE5 – with swivel arm

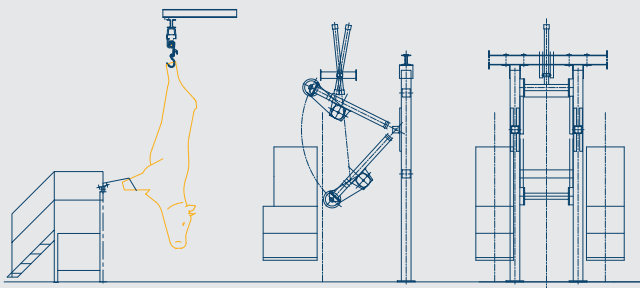
Options:

- Hydraulic system
- Capacity: 75 cattle/hr (max.)

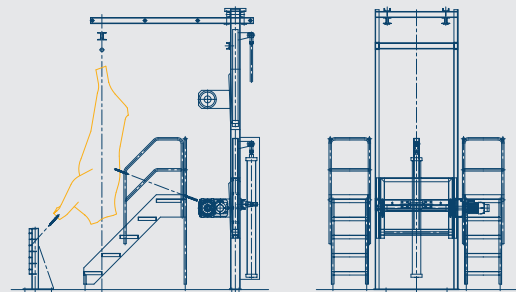
Roller dehider BE7

Options:

- Electro-pneumatic system
- Capacity: 30 cattle/hr (max.)



BE5 – with swivel arm



BE7

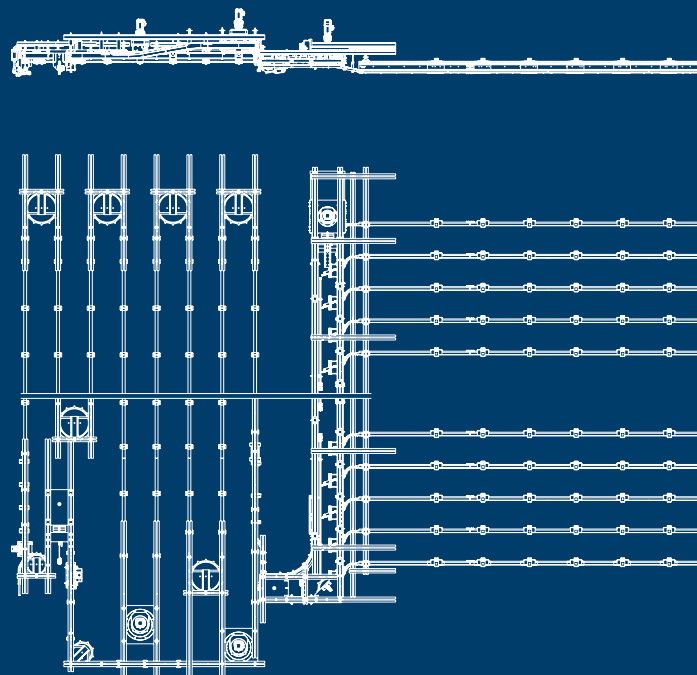


Type	Cattle/h	Hydraulic	Electro-pneumatic	Electro-hydraulic
Roller dehider BE3	75		■	■
Roller dehider BE4	60	■		
Roller dehider BE6	75	■		
Roller dehider BE5 – with swivel arm	75	■		
Roller dehider BE7	30		■	

CONVEYOR SYSTEMS FOR EACH CLAIM

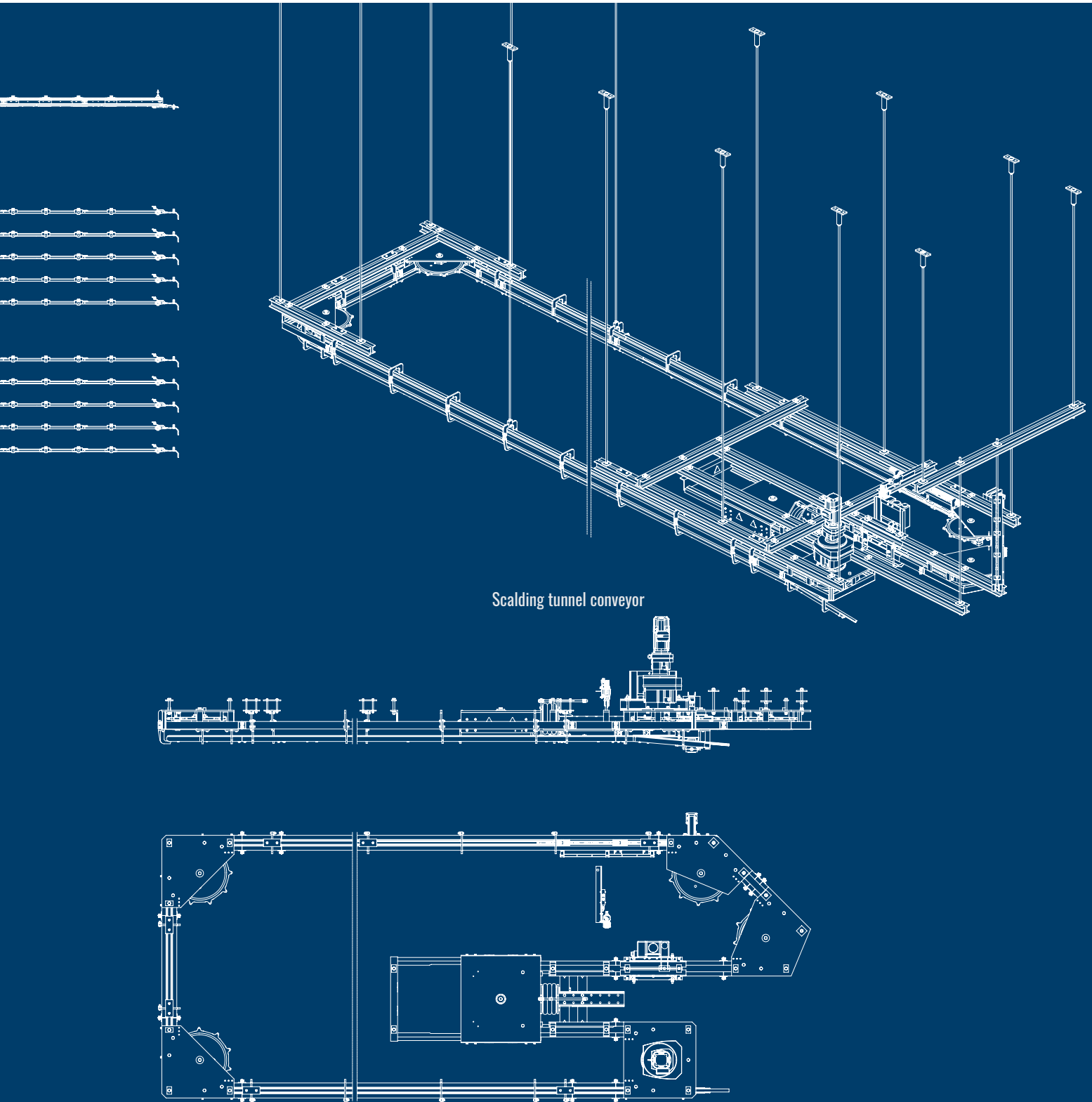
Highlights

- Semi-automatic stable and feeding systems
- Thick wall tubular rails for cattle bleeding area
- Tubular rails with PVC inserts
- Tubular rails in 1 ½" (0.16" wall thickness) and 2" (0.18" wall thickness) in galvanized or stainless steel
- Manual and pneumatic tubular rail diverters with or without PVC inserts
- Elevators for all weights and distances
- Chain conveyors in various configurations with or without tubular rails
- Trolley conveying systems suited for various loads
- Chain conveyors with multiple drives for large and/or long transport distance
- Chain conveyors with drag chain drive
- Stacking and endless conveyors for cooling rooms
- Stacking rails for cooling rooms
- Fully automated in feed and out feed storage systems
- Complete EDP solutions and data collection
- Product degreasing systems
- Real time data/visual systems
- Carcass traceability systems



Shock tunnel conveyor

FOR MANY YEARS BANSS HAS DESIGNED, MANUFACTURED AND SUPPLIED MATERIAL HANDLING SYSTEMS FOR SLAUGHTERING FACILITIES. THIS INCLUDES CONVEYOR, TRACKING AND COOLING EQUIPMENT/ SYSTEMS.



Scalding tunnel conveyor

PIG AND CATTLE

CONVEYOR SYSTEMS FOR EACH CLAIM



COOLING ROOMS

INDIVIDUAL SOLUTIONS FOR EVERY USE



J W E B A N S S . D E

All technical data and pictures are for information only
and without responsibility.

All design is subject to change without notice.

Some photographs contain special options available at
an extra charge.

JWE-BANSS GmbH

Industriestraße 4
35216 Biedenkopf (Germany)

Phone + 49 6461 705-0

info@jwebanss.de
www.jwebanss.de

EN-05-2022 www.hasenmaile.de