

CLEANING

Comprehensive Guide - 2026/27





BUILT FOR THE TOUGHEST JOBS



ABOUT US

Welcome to Peinemann Equipment, a leading provider of specialized solutions designed to enhance efficiency and safety in cleaning, extracting, and lifting operations. With over 40 years of industry expertise, we are dedicated to delivering innovative and durable cleaning systems that excel in tackling the most demanding challenges.

Our commitment to excellence is reflected in every product at Peinemann Equipment. We redefine pipe and tube cleaning with cutting-edge solutions tailored to meet the evolving needs of industry professionals. Experience the difference with our lightweight, powerful, and versatile feeders engineered for optimal performance in every application.

Each product at Peinemann Equipment is meticulously crafted to surpass industry standards, ensuring unparalleled performance and reliability. Explore our comprehensive range of specialized solutions and discover why Peinemann Equipment is the trusted partner for the toughest jobs in the industry.

LANCE FEEDERS

Discover our advanced lance feeders designed to tackle the toughest dirt and contaminants in pipes and tubes. Engineered with innovative lightweight components and state-of-the-art technology, our feeders offer unmatched versatility and ensure safe and efficient cleaning operations.







THE 1-XS

The Peinemann Single Lance Feeder (1-XS) is engineered for lightweight, semi-automated cleaning. Weighing just 6.0 kg (13.2 lb), the 1-XS offers superior strength and durability with ultra-light carbon fiber and suitable for 3/2 - 6/2 hoses.

EASY MAINTENANCE: Modular design allows for tool-free parts replacement, minimizing downtime.

SEMI-AUTOMATED: Compact and lightweight for enhanced maneuverability. Experience the Peinemann 1-XS—optimized for challenging cleaning applications, operational efficiency, and safety.





TECHSPECS

GENERAL

Length (drive unit)	28.0 cm (11.0 in)
Width (drive unit)	30.0 cm (11.8 in)
Height (drive unit)	19.0 cm (7.5 in)
Weight (drive unit incl. motor)	6.0 kg (13.2 lb)
Hose feed rate	40 - 70 cm/s (15.7 - 27.6 in/s)
Max. push/pul force	50 kg (110 lb)
Pitch adjustment range	N.a.

MOTOR

Motor model	Atlas Copco LZB33-L-AR009-001
Max. output	0.62kW (0.83 hp) standard motor
Min. air pressure	3.0 bar (43.5 psi)
Operating air pressure	6.3 bar (91.4 psi)
Max. air pressure	7.0 bar (101.5 psi)
Max. air consumption	14 l/s (29.7 cfm)
Stall torque	32 Nm (23.3 ft lb)
Vane type	Lubrication free

HOSE SPECIFICATIONS

Hose size	3/2 - 6/2
Hose outer diameter	7 - 11.5 mm (0.28 - 0.45 in)
Max. hose coupling diameter	27 mm (1.06 in)

1-XS

STANDARD KIT

Equip your 1-XS with our comprehensive Standard Kit, which includes all essential components for optimal performance (excluding drive 1-XS unit):

Air Filter, Regulator & Lubricator (FRL)



Atlas Copco Handheld Twist Lock Air Motor 33
Stainless Steel Internals & Lube Free



Guide Tube Straight XL
Length: 700 mm (27.6 in)
Diameter: Ø 25 mm (0.984 in)



Front indexing piece 5/2



End stop 5/2



Rear Protection Hose



This kit ensures your 1-XS is equipped with high-quality, reliable components for efficient operation.

1-XS

ACCESSORIES AND OPTIONS

Guide tube bent XL (700mm) + Guide tube straight (400mm)

For improved precision and safety in tube cleaning. Available in straight or bent versions.



Front indexing piece set

Front indexing piece XL 4/2 - 6/2



End stop set 3/2 - 6/2

End stop for 3/2 - 4/2 and 6/2 hoses



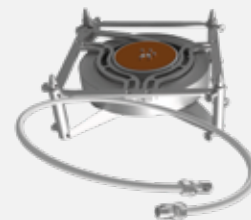
Anti-Withdrawal Device

Prevents accidental tool withdrawal during handheld tube cleaning for safer, more efficient operation



Hose Reel

The hose reel safely stores hoses up to 25m, reducing trip hazards and wear. Operates without hydraulic or air power.





THE 1-XLTC

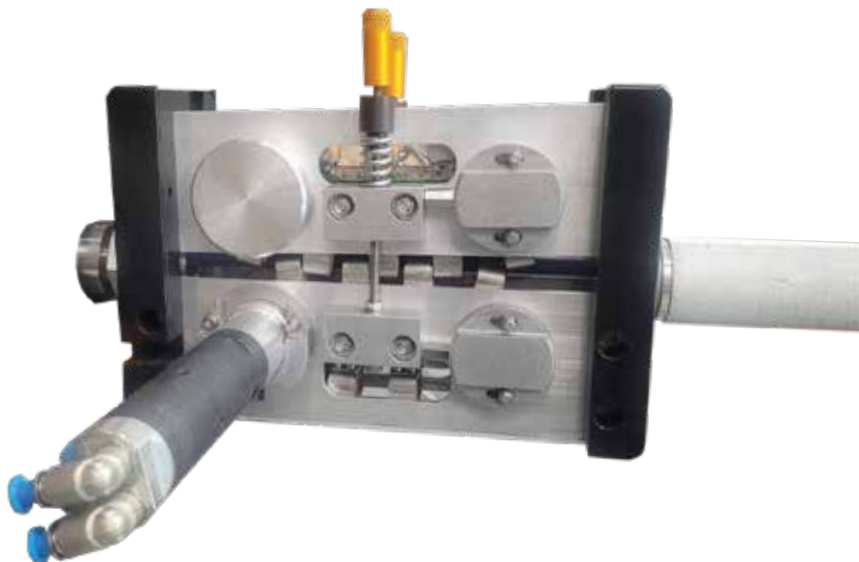
The Peinemann Single Lance Feeder (1-XLTC) from the XLTC Series is constructed with durable components, ensuring reliable tube and pipe cleaning. It is compatible with both the Orion and Dome cleaner setups. Weighing only 10 kg (22 lb), this tool is also an option for semi-automated cleaning.

VERSATILE: Compatible with a wider range of hose sizes (3/2 - 8/4) for various cleaning applications.

POWERFULL: Delivers increased power and improved traction due to dual drive system.

SEMI-AUTOMATED CAPABILITY: Compact design allows for enhanced maneuverability and control.

Experience the reliability and versatility of the Peinemann 1-XLTC—a modular single lance feeder designed for diverse cleaning operations with optimized efficiency and safety.





TECHSPECS

GENERAL

Length (drive unit)	32.0 cm (12.6 in)
Width (drive unit)	38.0 cm (15 in)
Height (drive unit)	26.0 cm (10.2 in)
Weight (drive unit incl. motor)	10 kg (22 lb)
Hose feed rate	40 - 70 cm/s (15.7 - 27.6 in/s)
Max. push/pul force	50 kg (110 lb)
Pitch adjustment range	N.a.

Motor model	Atlas Copco LZB33-L-AR009-001
Max. output	0.38kW (0.51 hp)
Min. airprssure	3.0 bar (43.5 psi)
Operating air pressure	6.3 bar (91.4 psi)
Max. air pressure	7.0 bar (101.5 psi)
Max. air consumption	14 l/s (29.7 cfm)
Stall torque	32 Nm (23.3 ft lb)
Vane type	Lubrication free

HOSE SPECIFICATIONS

Hose size	3/2 - 8/4
Hose outer diameter	8 - 15 mm (0.31 - 0.59 in)
Max. hose coupling diameter	20 mm (0.79 in)

1-XLTC STANDARD SETUP

Equip your 1-XLTC with our comprehensive Standard Kit, which includes all essential components for optimal performance (excluding drive 1-XLTC unit):

Air Filter, Regulator & Lubricator (FRL)



Atlas Copco Handheld Twist Lock Air Motor 33
Stainless Steel Internals & Lube Free



Guide Tube Straight XL
Length: 700 mm (27.6 in)
Diameter: Ø 25 mm (0.984 in)



Front indexing piece 5/2



End stop 5/2



Rear Protection Hose



This kit ensures your 1-XLTC is equipped with high-quality, reliable components for efficient operation.

1-XLTC ACCESSORIES AND OPTIONS

Guide tube bent XL (700mm) + Guide tube straight (400mm)

For improved precision and safety in tube cleaning. Available in straight or bent



Front indexing piece set

Front indexing piece XL 4/2 - 8/4



End stop set 3/2 - 8/4

End stop for 3/2 - 8/4 hoses



Anti-Withdrawal Device

Prevents accidental tool withdrawal during handheld tube cleaning for safer, more efficient operation



Hose Reel

The hose reel safely stores hoses up to 25m, reducing trip hazards and wear. Operates without hydraulic or air power.



XL GuideTube + Footplate

XL Guide Tube (35 mm) + Footplate for safe operation on vertical exchanger tubes (Requires 2 sets of hose catchers).



Pipe Mount

Suitable for Flange Diameter of 12.7 – 152.4 mm.
For pipes without a flange of 76.2 – 203 mm.
Largest possible Pipe Diameter 250 mm.



THE XLTC-L

The Peinemann XLTC L – a powerful solution with dual motors designed to clean even the toughest pipes. Building on the 1-XLTC's design, it features a slim drive unit and modular components for quick, hassle-free setup.

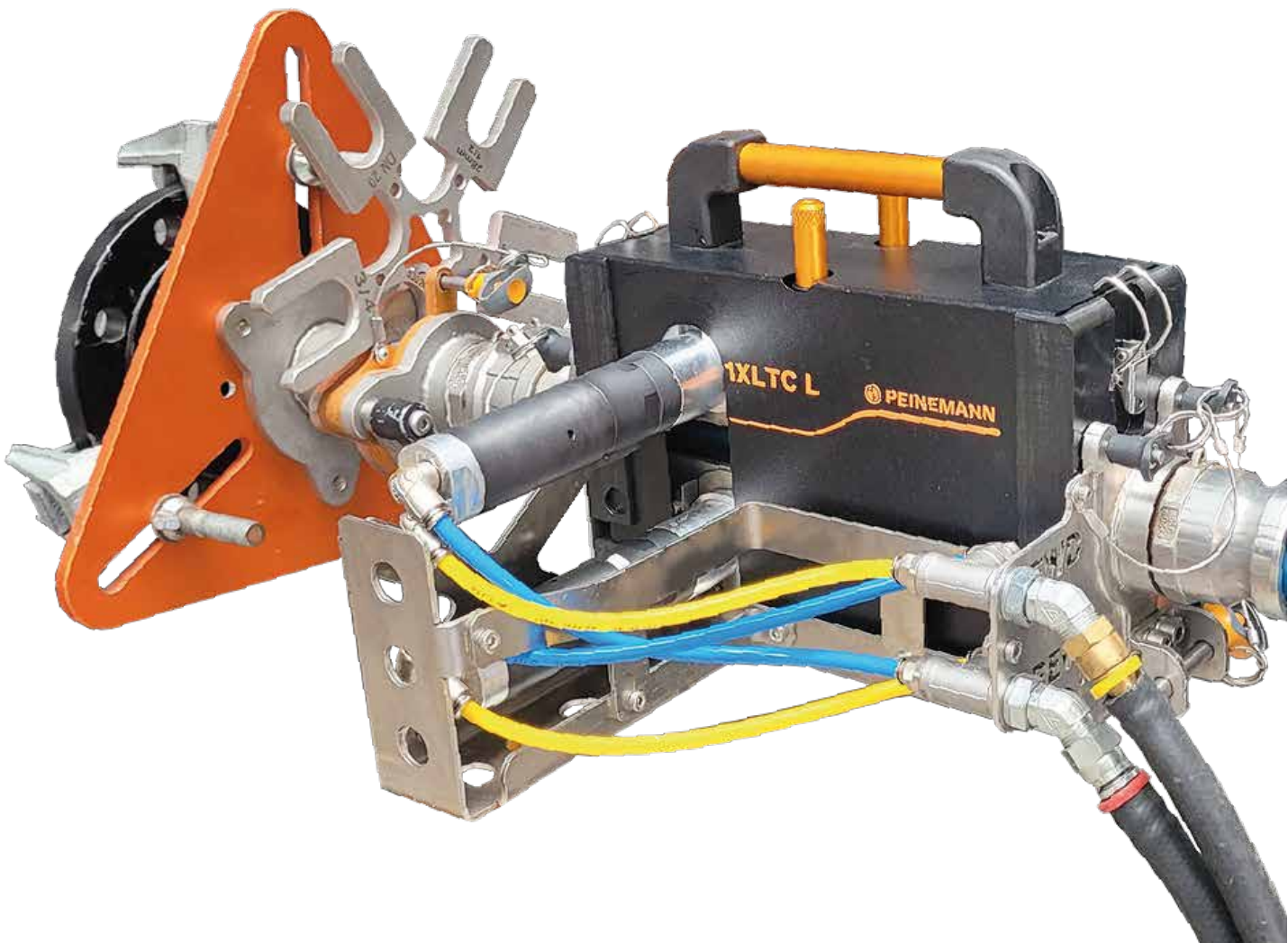
DUAL MOTOR POWER: Delivers a maximum 180 kg (396.83 lb) of pull force and speeds of 6–35 cm/s (2.4 - 13.8 in/s) for efficient pipe cleaning.

VERSATILE COMPATIBILITY: Fits 3/8–1/2" hoses for a wide range of applications.

CUSTOMIZABLE FOR LARGER TUBES: Adaptable for cleaning large-diameter tubes.

MODULAR DESIGN: Enables fast assembly, and low maintenance.

Powerful, flexible, and efficient— the XLTC-L is built to handle demanding cleaning tasks with ease.



TECHSPECS

GENERAL

Length (drive unit)	55.0 cm (21.6 in)
Width (drive unit)	33.5 cm (13.2 in)
Height (drive unit)	26.0 cm (10.2 in)
Weight (drive unit incl. motor)	18 kg (39.7 lb)
Hose feed rate	6 - 35 cm/s (2.4 - 13.8 in/s)
Max. push/pul force	180 kg (397 lb)
Pitch adjustment range	N.a.

MOTOR

Motor model	Atlas Copco LZB33-L-AR004-50 (2x)
Max. output	0.25kW (0.34 hp)
Min. airprssure	3.0 bar (43.5 psi)
Operating air pressure	6.3 bar (91.4 psi)
Max. air pressure	7.0 bar (101.5 psi)
Max. air consumption	7.9 l/s (16.7 cfm) (15.8l/s(33.5 cfm) in total with 2 motors)
Stall torque	24 Nm (17.8 ft lb)
Vane type	Lubrication free

HOSE SPECIFICATIONS

Hose size	3/8" - 1/2", DN8 - DN10 - DN12
Hose outer diameter	18 - 35 mm (0.71 - 1.38 in)
Max. hose coupling diameter	45 mm (2.17 in)



XLTC-L

STANDARD SETUP

Equip your XLTC-L with our comprehensive Standard Kit, which includes all essential components for optimal performance (excluding drive XLTC-L unit):

2x Air Motor Automatic Use (slow) 400



Hose Catcher Star for:
- DN12 - 3/4"



Air Filter, Regulator & Lubricator (FRL)



1-Way Remote Control with Dump Switch,
Speed Control & 20' Air Hoses



End stops for:
- DN12 & 3/8"
- 1/2"



This kit ensures your XLTC-L is equipped with high-quality, reliable components for efficient operation.

XLTC-L

ACCESSORIES AND OPTIONS

Hose Catcher Star

4/4, 5/4, 6/4, 8/4, and 10/4



Lance Block Connection with 2" guide tube

For Large tube cleaning applications like evaporators



Flangeless Adapter Kit with Ratchet Strap

This kit provides a secure and versatile connection when there are no flanges



End stop 10/4 & 8/4

End stop for 10/4 & 8/4 hoses



Timerbox Pneumatic

Can be added to enable automatic forward/reverse (oscillation) for improved cleaning and longer nozzle life



Pipe Clamp

Special clamp to mount the XLTC-L to a pipe in tight spaces.



XLTC

SETUP OPTIONS

Discover the XLTC series setup that suits you best. Each option is specifically designed to meet different needs and preferences, ensuring the perfect solution for your unique tube cleaning requirements.



DOME CLEANER AND ORION

The Peinemann Dome Cleaner and Orion Indexer are part of a modular mounting system for heat exchanger bundle cleaning. The Orion is built for horizontal cleaning, the Dome for vertical. Both share components for quick on-site reconfiguration.

COMPACT & VERSATILE: Lightweight, space-saving design for easy setup in tight areas—vertically or horizontally mounted.

FAST ASSEMBLY: Tool-free setup by one operator in minutes—minimizing downtime and maximizing efficiency.

OPTIONAL CAMERA: To allow the operator to work from a safe distance, an optional camera system with integrated air knife system can be added for clear visibility during operation.

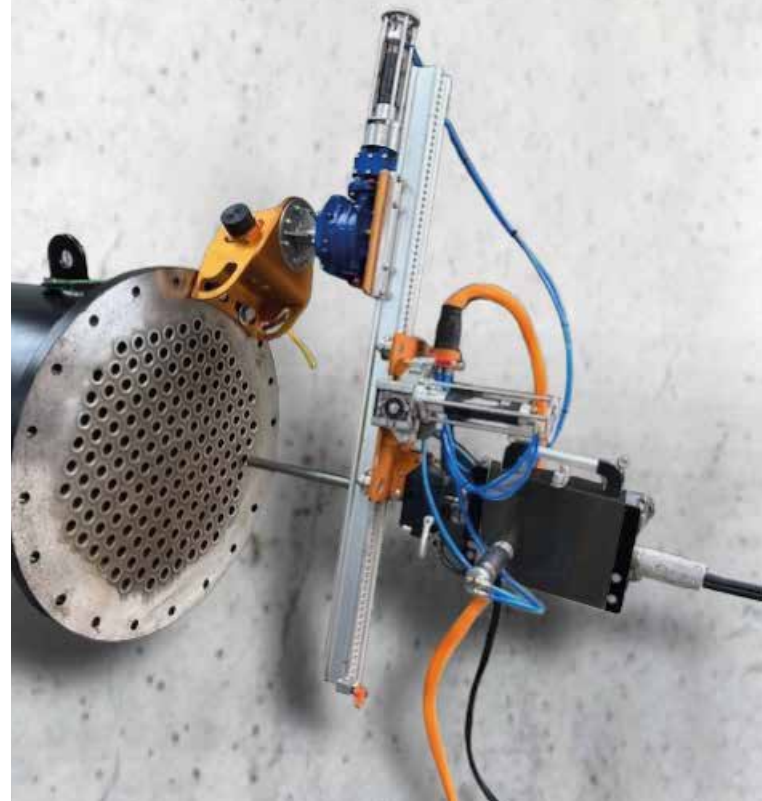
SMART COMPATIBILITY: Works with Peinemann lance cleaners (1-XLTC, 1-XS) and accessories like the Gun Adapter for tube sheet cleaning.

RELIABLE PERFORMANCE: Durable build ensures consistent results with low maintenance.

Dome Cleaner



Orion



DOME CLEANER KIT

Mounting feet, Guide wheel & guide tubes bended/straight



Rotating beam clamp



Linear motion car



Mounting nipple XLTC



2.5" Boxrail with endstop



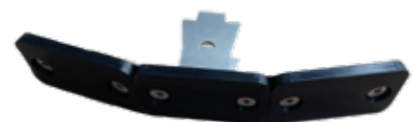
3-Way Remote Control with Speed & Dump Switch (Handheld & Tripod)



Air Filter, Regulator & Lubricator (FRL)



Optional glide support



Optional camera System incl. Monitor, Mounting Stand & Air knife



ORION KIT

Orion mounting plate



Rotating beam clamp



Linear Motion Car



Mounting nipple XLTC



2.5" Boxrail with endstop



3-Way Remote Control with Speed & Dump Switch (Handheld & Tripod)



Air Filter, Regulator & Lubricator (FRL)



3/4" Guide tube



Optional camera System incl. Monitor, Mounting Stand & Air knife





THE 2-XLTC

The Peinemann Dual Lance Feeder (2-XLTC) from the XLTC series—a robust and versatile equipment designed to tackle the toughest tube cleaning operations. Equipped with a powerful Atlas Copco motor, the 2-XLTC delivers an impressive push/pull force of up to 50 kg (110 lb), making it ideal for handling demanding cleaning tasks with ease.

POWERFUL MOTOR: The 2-XLTC is equipped with an Atlas Copco motor, providing exceptional push/pull force for efficient and effective tube cleaning.

VERSATILE COMPATIBILITY: With a wide range of compatible hose sizes (3/2 - 8/4), the 2-XLTC offers flexibility to adapt to different cleaning applications.

STURDY DRIVE UNIT: The feeder's sturdy drive unit ensures durability and reliability, capable of tackling even the most challenging cleaning jobs.

MODULAR DESIGN: Featuring a modular design, the 2-XLTC allows for quick and easy cartridge replacement and maintenance, enhancing overall efficiency and performance.

CONVERTIBLE DESIGN: The 2-XLTC can be easily converted into a Single Lance Pipe Feeder (X-XLTC), adding to its versatility and flexibility for diverse cleaning requirements.

The power and versatility of the Peinemann Dual Lance Feeder (2-XLTC)—a reliable solution engineered to excel in demanding tube cleaning operations while ensuring efficiency and performance.

TECHSPECS

GENERAL

Length (drive unit)	35.5 cm (14.0 in)
Width (drive unit)	44.5 cm (17.5 in)
Height (drive unit)	30.0 cm (11.8 in)
Weight (drive unit incl. motor)	21 kg (46 lb)
Hose feed rate	40- 70 cm/s (15.7 - 27.6 in/s)
Max. push/pul force	50 kg (110 lb)
Pitch adjustment range	25 - 53 mm (0.98 - 2.09 in)

MOTOR

Motor model	Atlas Copco LZB33-L-AR009-50
Max. output	0.38 kW (0.51 hp)
Min. airprssure	3.0 bar (43.5 psi)
Operating air pressure	6.3 bar (91.4 psi)
Max. air pressure	7.0 bar (101.5 psi)
Max. air consumption	14 l/s (29.7 cfm)
Stall torque	32 Nm (23.3 ft lb)
Vane type	Lubrication free

HOSE SPECIFICATIONS

Hose size	3/2 - 8/4
Hose outer diameter	8 - 15 mm (0.31 - 0.59 in)
Max. hose coupling diameter	21 mm (0.83 in)

2-XLTC

STANDARD FLEXFRAME

Standard Flexframe Kit for the 2-XLTC (excluding 2-XLTC-drive unit)

Equip your 2-XLTC with our comprehensive Standard Flexframe Kit, which includes all essential components for optimal performance and flexibility:

Air Filter, Regulator & Lubricator (FRL)



3-Way Remote Control:

- Features: Speed Control, Dump Switch, 20' Air Hoses



Clamp Plate Adapter for Flex Frame 4"



Pneumatic Left/Right Flex Frame Assembly 4", v3.0



Pneumatic Up/Down Flex Frame Assembly 4", v3.0



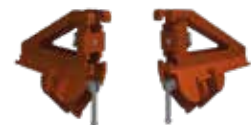
Mounting Bracket for Shell Flange:

- Sizes: 2.5" & 4"



Mounting Clamp for Tube Sheet:

- Right: 150 mm / 6", Aluminum
- Left: 150 mm / 6", Aluminum



Rail 4":

- Dual Slotted, 6' Length, suitable for rail connector



2-XLTC

ACCESSORIES AND OPTIONS

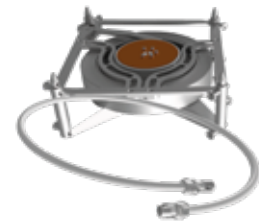
Timerbox Pneumatic

Can be added to enable automatic forward/reverse (oscillation) for improved cleaning and longer nozzle life



Hose Reel

The hose reel safely stores hoses up to 25m, reducing trip hazards and wear. Operates without hydraulic or air power.



Peinemann Storage Chest

The Peinemann Storage Chest, is a great storage solution for all your 2-XLTC parts



Gun Adaptor

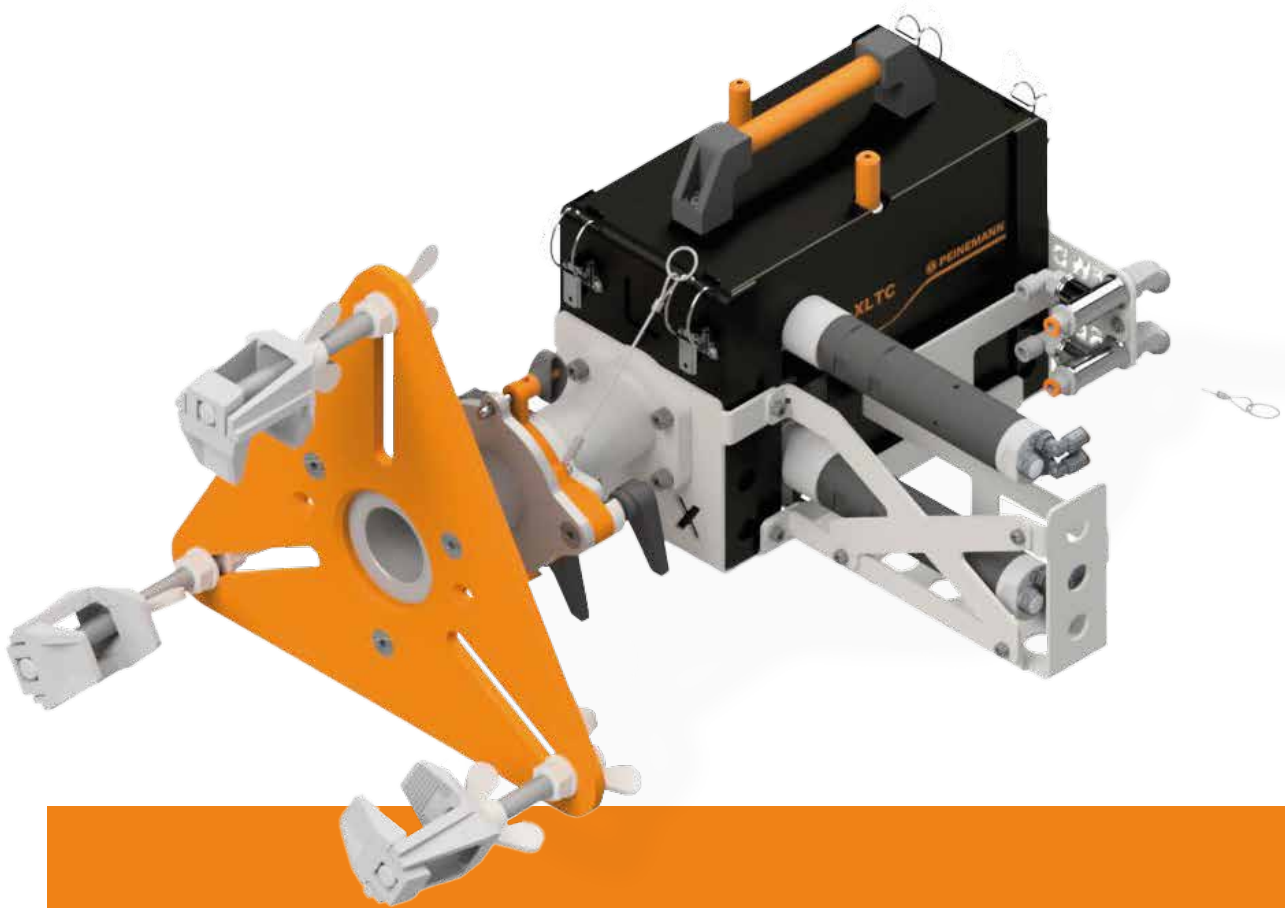
Enables safe tube bundle cleaning without a jetting gun, using the Flex Frame's indexing and a fixed nozzle. Compatible with Flex Frame 3.0



Non driven cart

The Non-Driven Cart is a guide which allows for smooth movement of 2-XLTC within the indexing frame. The Non-Driven Cart is positioned on the opposite side of the driven cart.





THE X-XLTC

The X-XLTC —a robust and versatile Lance feeder designed to tackle the toughest pipe cleaning operations. Equipped with two powerful Atlas Copco motors, the X-XLTC delivers an impressive push/pull force of up to 180 kg (397 lb), making it ideal for handling demanding cleaning tasks with ease. Compatible with 3/8", 1/2", 3/4" and DN12- DN20 hoses.

DUAL MOTOR POWER: The X-XLTC is equipped with two powerful Atlas Copco motors, providing exceptional push/pull force for efficient and effective pipe cleaning.

VERSATILE COMPATIBILITY: With a wide range of compatible hose sizes, the X-XLTC offers flexibility to adapt to different cleaning applications.

STURDY DRIVE UNIT: The feeder's sturdy drive unit ensures durability and reliability, capable of tackling even the most challenging cleaning jobs.

CONVERTIBLE DESIGN: The X-XLTC can be easily converted into a dual lance tube feeder (2-XLTC), adding to its versatility and flexibility for diverse cleaning requirements.

Experience the power and versatility of the Peinemann X-XLTC—a reliable solution engineered to excel in demanding pipe cleaning operations while ensuring efficiency and performance.

TECHSPECS

GENERAL

Length (drive unit)	35.5 cm (14.0 in)
Width (drive unit)	44.5 cm (17.5 in)
Height (drive unit)	30.0 cm (11.8 in)
Weight (drive unit incl. motor)	22 kg (48 lb)
Hose feed rate	10 - 20 cm/s (3.9 - 7.9 in/s)
Max. push/pul force	180 kg (397 lb)
Pitch adjustment range	N.a.

MOTOR

Motor model	Atlas Copco LZB33-L-AR200-50 (2X)
Max. output	0.25 kW (0.34 hp)
Min. airprssure	3.0 bar (43.5 psi)
Operating air pressure	6.3 bar (91.4 psi)
Max. air pressure	7.0 bar (101.5 psi)
Max. air consumption	7.9 l/s (16.7 cfm) (15.8 L/S (33.5 cfm in total with 2 motors)
Stall torque	32 Nm (23.3 ft lb)
Vane type	Lubrication free

HOSE SPECIFICATIONS

Hose size	3/8", 1/2" and 3/4" DN12 - DN20
Hose outer diameter	8 - 15 mm (0.31 - 0.59 in)
Max. hose coupling diameter	20 mm (0.79 in)

X-XLTC STANDARD KIT

Equip your X-XLTC with our comprehensive Standard Kit, which includes all essential components for optimal performance (excluding drive X-XLTC unit):

ATLAS COPCO Air Motor 33 LR200 Slow Version
(S/S internal & lube free)



Hose Catcher Star

- 3/8"
- 1/2"
- 3/4"
- DN12
- DN20



Air Filter, Regulator & Lubricator (FRL)



1-Way Remote Control with Dump Switch,
Speed Control & 20' Air Hoses



End stops for

- 3/8"
- 1/2"
- 3/4"
- DN12
- DN20



This kit ensures your X-XLTC is equipped with high-quality, reliable components for efficient operation.

X-XLTC

ACCESSORIES AND OPTIONS

Hose Catcher Star

4/4, 5/4, 6/4, 8/4, and 10/4



Lance Block Connection 2" with Tube Assembly & Lance Block Connection



Flangeless Adapter Kit with Ratchet Strap

This kit provides a secure and versatile connection without the need for flanges



End stop 10/4 & 8/4

End stop for 10/4 & 8/4 hoses



Timerbox Pneumatic

Can be added to enable automatic forward/reverse (oscillation) for improved cleaning and longer nozzle life





TLX

INTRODUCTION

The Peinemann TLX stands out for its exceptional lightness, strength, and adaptability. Its innovative modular design with an ultra-light carbon fiber drive unit reduces weight by 30% while enhancing overall strength compared to previous models.

INNOVATIVE DESIGN: The modular design with a carbon fiber drive unit ensures superior handling and swift assembly.

ALL-IN-ONE POWERHOUSE: Featuring a gear drive system and durable Atlas Copco motor, the TLX delivers impressive push/pull strength of up to 130 kg (287 lb) in low gear mode with a single motor. The hose feed rate of the TLX is 40-70 cm per second (15.7 - 27.6 in/s)

EXCEPTIONAL ADAPTABILITY: The TLX's modular design allows for rapid assembly, tool-free cartridge replacement, and straightforward maintenance.

CONFIGURABLE FLEXIBILITY: Effortlessly convert the TLX into various configurations such as Single Pipe, Dual Lance, Quadruple Lance, or Quintuple Lance Feeder with specialized conversion kits, catering to a wide range of cleaning requirements.



TLX[®]

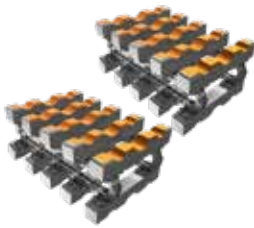
TLX

TLX

FEATURES

INTERCHANGABLE CARTRIDGES

The TLX series features a unique cartridge design that facilitates swift assembly and hassle-free maintenance. Operators can easily replace cartridges without the need for tools, ensuring minimal down-

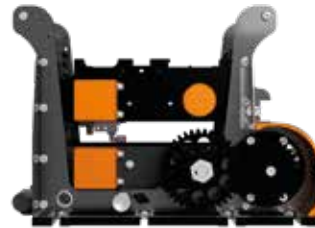


TRACKS

Various tracks available. Tracks to suit hoses: 3/2 - 6/2 - 3/2 - 8/4. Tracks that can accommodate single DN12 - 3/4" hoses (for pipe cleaning) and dual 10/2 and 10/4 hoses.

AUTOMATIC CHAIN TENSIONER & PERMANENTLY GREASED BEARINGS

No more manual tensioning of chains.



POWER THROUGH INTERCHANGABLE GEARWHEELS

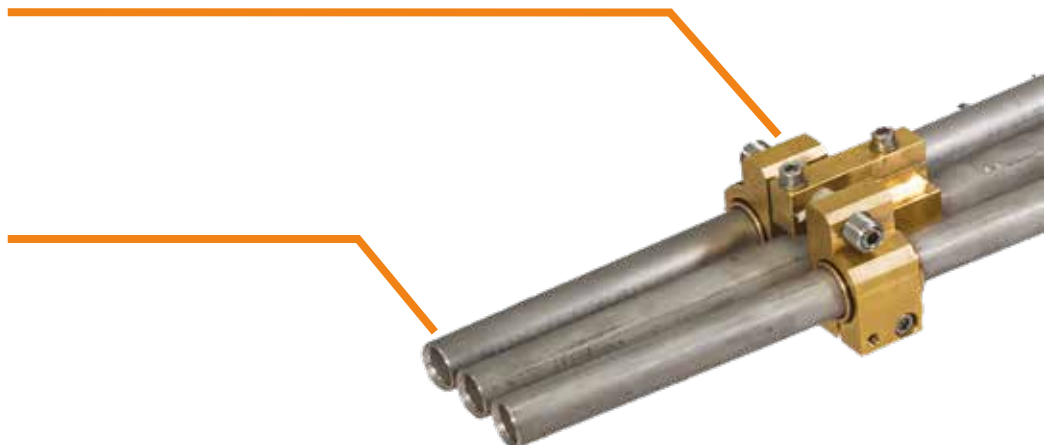
Power transfer through gearwheels. Multiple configurations available for slower or faster speeds

PITCH ADJUSTER

Manual pitch adjuster to accommodate 1/2" and 3/4" guide tubes

GUIDE TUBES

Quick changeable guide tube system without thread (toggle switches). Suitable for 1/2" and 3/4" inch guide pipes



TECHSPECS

MOTOR

Motor model	Atlas Copco LZB46-ML-AR007-50
Max. output	0.62kW (0.83 hp)
Min. airpressure	3.0 bar (43.5 psi)
Operating air pressure	6.3 bar (91.4 psi)
Max. air pressure	7.0 bar (101.5 psi)
Max. air consumption	14l/s (29.7 cfm)
Stall torque	32 Nm (23.3 ft lb)
Vane type	Lubrication free

HOSE SPECIFICATIONS

Hose size	3/2 - 8/4
Hose outer diameter	7 - 15 mm (0.28 - 0.59 in)
Max. hose coupling diameter	21.5 mm (0.85 in)

GENERAL

Length (drive unit)	46.5 cm (18.3 in)
Width (drive unit)	26.5 cm (10.4 in)
Height (drive unit)	31.5 cm (12.4 in)
Weight (drive unit incl. motor)	17 kg (59.5 lb)
Hose feed rate	40 - 70 cm/s (15.7 - 27.6 in/s)
Max. push/pul force	130 kg (287 lb)
Pitch adjustment range	25 - 53 mm (0.98 - 2.09 in)

ROLODEX FOR 10K OR 20K HOSES

Hose catcher set keeps all sizes safety catchers in one easy to use bundle. Sizes 4/2 - 8/2 and sizes 4/4 - 8/4



AIR MOTOR

High quality air motor which can easily be removed



TLX

STANDARD FLEXFRAME

Standard Flexframe Kit for the TLX (excluding TLX-drive unit). Equip your TLX with our comprehensive Standard Flexframe Kit, which includes all essential components for optimal performance and flexibility:

Air Filter, Regulator & Lubricator (FRL)



3-Way Remote Control:

- Features: Speed Control, Dump Switch, 20' Air Hoses



Clamp Plate Adapter for Flex Frame 4"



Pneumatic Left/Right Flex Frame Assembly 4", v3.0



Pneumatic Up/Down Flex Frame Assembly 4", v3.0



Mounting Bracket for Shell Flange:

- Sizes: 2.5" & 4"



Mounting Clamp for Tube Sheet:

- Right: 150 mm / 6", Aluminum
- Left: 150 mm / 6", Aluminum



Rail 4":

- Dual Slotted, 6' Length, suitable for rail connector



TLX

ACCESSORIES AND OPTIONS

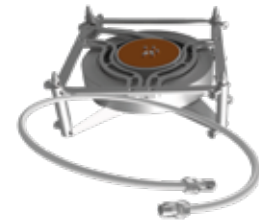
Timerbox Pneumatic

Can be added to enable automatic forward/reverse (oscillation) for improved cleaning and longer nozzle life



Hose Reel

The hose reel safely stores hoses up to 25m, reducing trip hazards and wear. Operates without hydraulic or air power.



Peinemann Storage Chest

The Peinemann Storage Chest, is a great storage solution for all your TLX parts



Gun Adaptor

Enables safe tube bundle cleaning without a jetting gun, using the Flex Frame's indexing and a fixed nozzle. Compatible with Flex Frame 3.0



Non driven cart

The Non-Driven Cart is a guide which allows for smooth movement of TLX within the indexing frame. The Non-Driven Cart is positioned on the opposite side of the driven cart.





TLX

FLEXFRAME OPTIONS

Discover the TLX setup that suits you best. Each option is specifically designed to meet different needs and preferences, ensuring the perfect solution for your unique tube cleaning requirements.

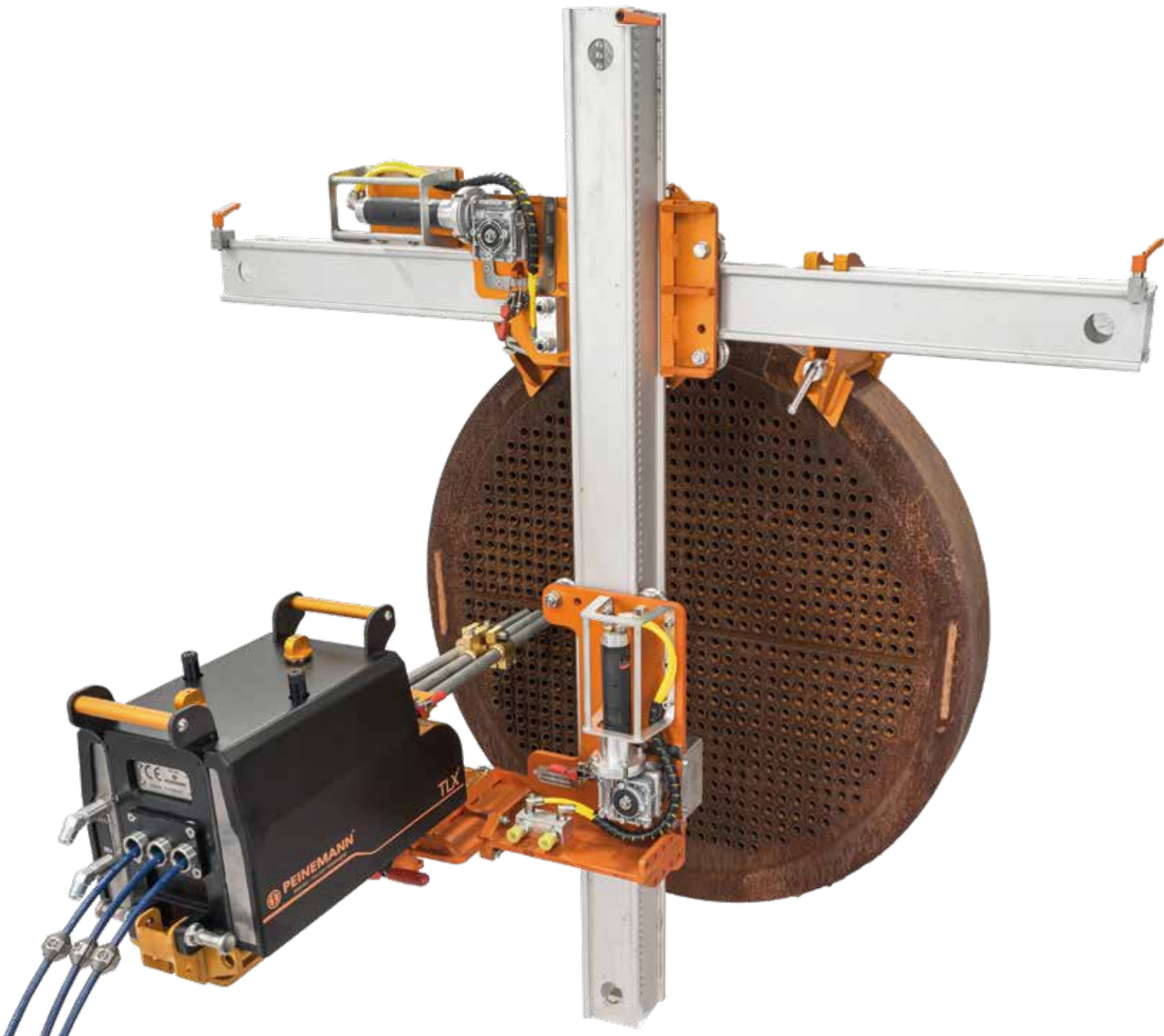


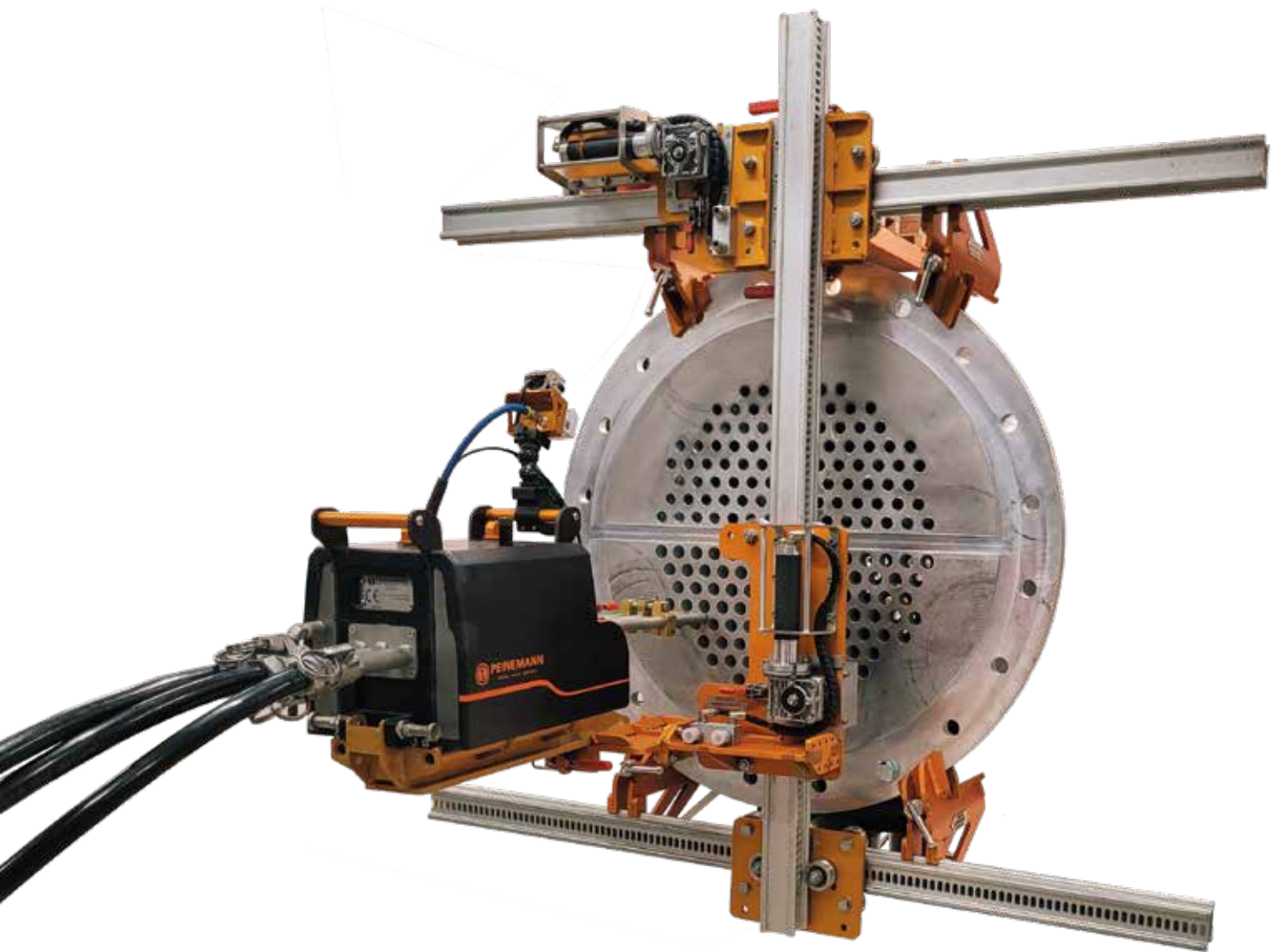
FLEXFRAME 4''

Engineered for demanding tube cleaning jobs, the 3-TLX + Flex Frame 3.0 (4" rails) Setup offers exceptional durability and stability. This robust setup ensures reliable performance in challenging environments and is optimized for heavy-duty applications.

DURABLE CONSTRUCTION: Equipped with standard 4" rails, the Flex Frame 3.0 delivers outstanding stability and strength for consistent cleaning performance.

EFFICIENT SETUP: Thanks to the increased rigidity of the 4" rails, only two 4" rails are required for a stable and secure installation. For bundles up to 1.5 meters (5 feet) in diameter.



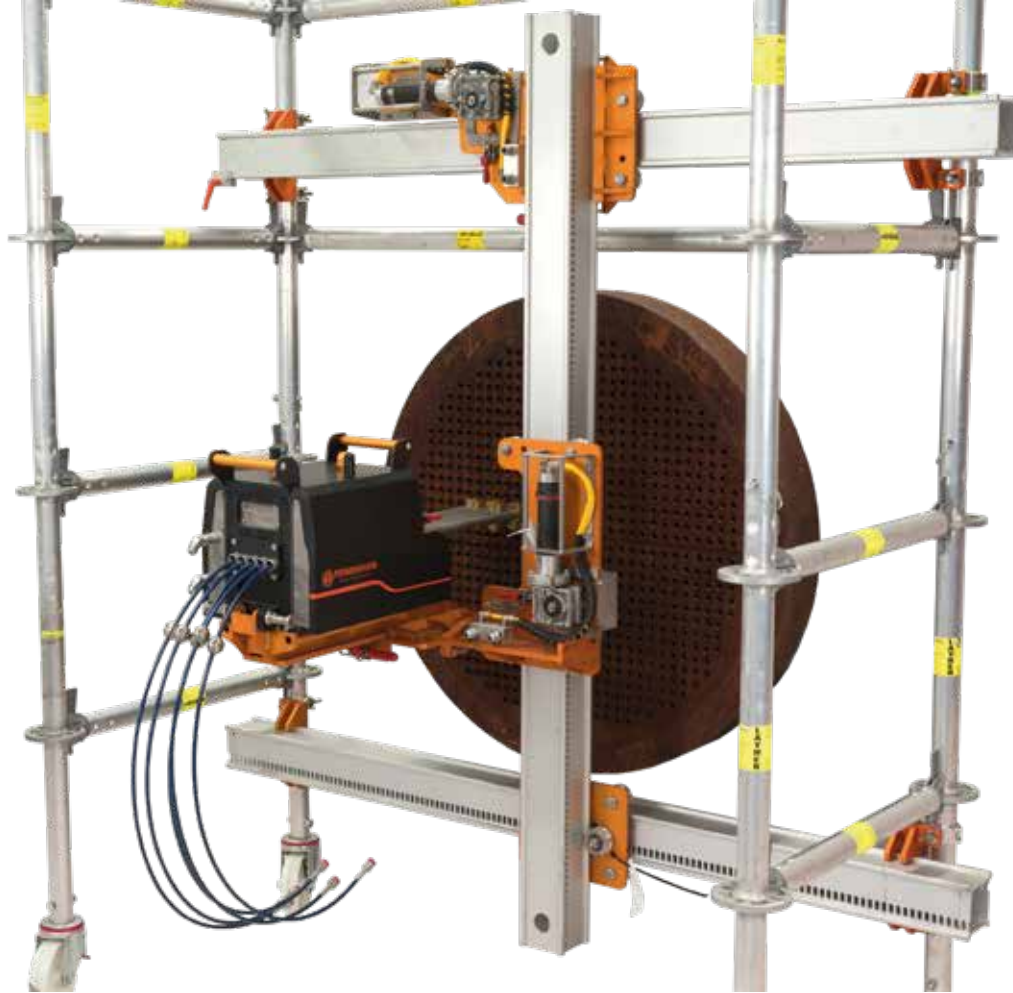


FLEXFRAME 2.5”

Engineered for ultimate flexibility, the new flexframe 3.0 can easily be changed to accommodate 2.5” box rails. This feature makes it easy to use for example to clean small vertical bundles in place.

The 2.5” setup always needs to be used with a non driven cart and additional mounting clamps for added strength.

The modification parts are supplied standard with each flexframe 3.0 to make it easy to change between a 4” and 2.5” box rail setup.



SCAFFOLD PIPE H-FRAME

Designed for use with standard scaffold pipe, this configuration is ideal for sites where scaffolding materials are already present and for vertical exchangers

RIGID SETUP: Provides stability without mounting the Flex Frame directly onto the bundle. Great for large diameter exchangers.

QUICK MOVEMENTS: Allows for swift repositioning on the cleaning bay, making it easy to move from bundle to bundle.

FLEXIBLE DESIGN: The frame is built using commonly available scaffold pipes, allowing for quick adaptation to different site layouts and constraints.

This setup is especially useful in shutdown situations or locations with limited access to standard equipment, providing a dependable cleaning platform with minimal setup time.

VERTICAL H-FRAME

This setup is ideal for working with large vertical exchangers and makes use of scaffold clamps with support legs for a quick and practical installation.

STABLE CONFIGURATION: Provides robust support without the need to mount the Flex Frame directly onto the bundle flange.

MODULAR DESIGN: Most parts are reusable in other configurations, offering greater flexibility across different jobs.

This configuration is especially valuable when working at height or when flange mounting is not feasible, offering both safety and convenience in vertical cleaning operations.



BENT GUIDE TUBE
For the 3-TLX.

**SCAFFOLD CLAMP +
SUPPORT LEG**

Compatible with standard scaffold pipes. In the Vertical H-Frame setup, the clamp connects directly to the support leg for a stable and secure installation.



FIN FAN

Engineered for quick installation, the Finfan setup ensures minimal downtime and maximum productivity, even in tight spaces in front of aircooled exchangers.

SIMPLE SETUP: The Flex Frame mounts onto the header box with c-clamps for swift installation. The entire setup is very easy to install.

FLEXIBLE MOUNTING: TLX units can be operated remotely via a snorkel system in combination with a universal feeder mount, or a tripod. The TLX can also be mounted directly on the Flex Frame, providing tremendous flexibility and functionality in tight spaces.

ALL-INCLUSIVE KIT: Includes all necessary components for efficient cleaning of Fin Fan Tubes, optimized for the 3-TLX. Consisting of 2 sets of C-clamps, 3-meter snorkel hoses, snorkel hose bracket and snorkelhose coupling.



C-CLAMPS

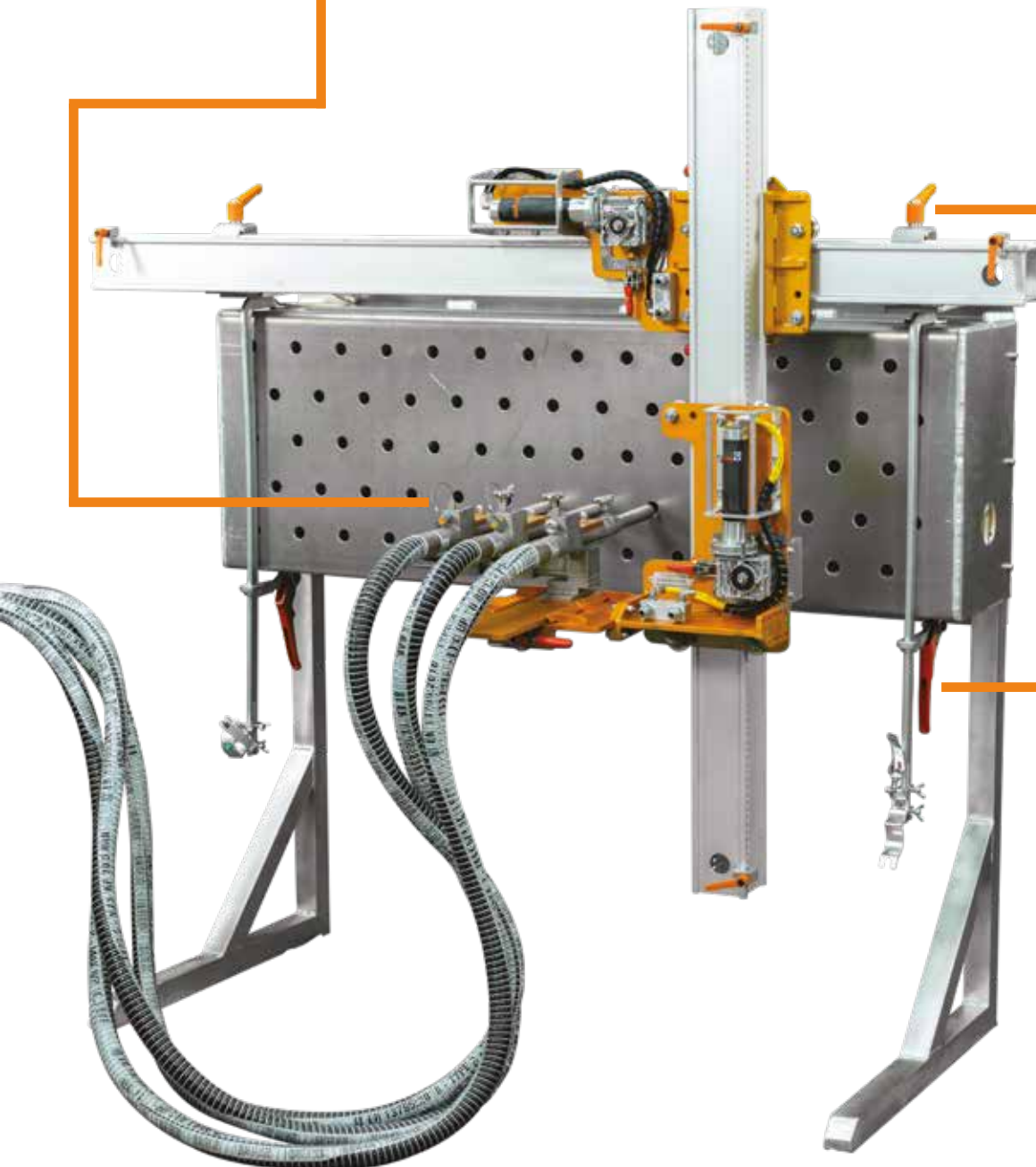
Special Clamps to easily mount the flexframe on a header box



SNORKELSYSTEM

The Snorkel System allows you to clean 3 airfin tubes simultaneously—ideal for finfans where space is limited.

It features an adjustable bracket that provides a wide pitch range, enabling extended reach and versatility for other applications.





CONDENSER

The Peinemann Condenser Cleaning Setup is specifically designed for use in condensers and other tight spaces. Its compact and adaptable design requires minimal accessories, making it a versatile and efficient solution.

SIMPLE SETUP: Easily attaches to condenser tube sheets with specialized expander bolts, removing the need for additional scaffolding. This ensures a quick and straightforward installation process.

FLEXIBLE MOUNTING: Compatible with the 3-TLX model, utilizing snorkel hoses to effectively navigate and service even the most confined areas.

OPTIONAL CAMERA SYSTEM: Available with an optional camera system equipped with an air knife, enabling safe and efficient operation from a distance.

**CUSTOM BRACKET WITH BEND
3/4" GUIDE TUBES**

With this setup you can clean even in the most constrained operational spaces. compatible with the 3-TLX snorkel system.



**ROTATING JOINT FOR FLEX
FRAME**

An additional rotating joint allows the mounting bracket of the up and down positioner to be tilted.



CONDENSER CLAMP

The setup is secured directly to the condenser using expander bolts, which are inserted into the tubes and tightened.



**CAMERA SYSTEM INCL.
MONITOR AND AIRKNIFE**

The camera is mounted on the FlexFrame, allowing operators to monitor the process from a safe distance.



THE SPX

AUTOMATED TUBE CLEANING SYSTEM

Upgrade your cleaning operations with the SPX, a smart, easy-to-integrate solution for automated tube bundle cleaning. Transform your existing TLX Feeders and FlexFrames into a safer, more efficient, fully automated system with minimal effort. This saves time, water, and fuel.

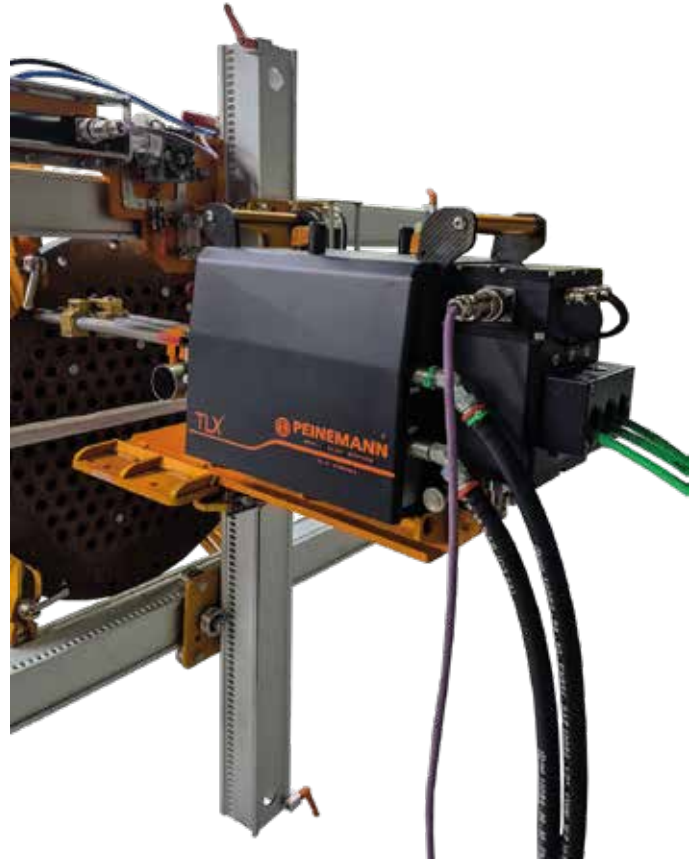
MODULAR DESIGN

RETROFIT READY

Easily upgrade existing TLX Feeders and FlexFrames without modifications.

PRECISION CLEANING

Accurate positioning for optimal cleaning performance. Resulting in significant reduction in cleaning time.



CONTROLLER



USER-FRIENDLY DESIGN

Full color display and intuitive interface for improved usability.

ENHANCED SAFETY

Wireless remote operation keeps operators at a safe distance during cleaning processes.

SCANNER

ADVANCED SCANNING SYSTEM

An optional, purpose-built scanning system specifically developed for our application scans the tubesheet, including plugs and sections, within minutes, enabling a fully automated cleaning cycle.

INCREASED EFFICIENCY

Automates tube bundle cleaning, significantly reducing labor costs and downtime.



MAIN CONTROL UNIT

CENTRAL PROCESSING UNIT

Acting as the central processing unit of the SPX system, the Main Control Unit manages all control logic and communication. In conjunction with the remote controller, it provides stable, responsive remote operation.

PERFORMANCE & CONDITION REPORTING

Upon completion of the cleaning process, the SPX generates a comprehensive report on the cleaned tube bundle. This data output enables in-depth analysis, supports accurate documentation, and provides a solid basis for optimizing operational performance.





TLX **CONVERSION KITS**

Unlock your Peinemann tube feeders full potential with our versatile conversion kits. Transform a single-lance feeder into a Triple Lance Feeder (3-TLX) or configure the 3-TLX into 1-TLX, 2-TLX, 4-TLX, or 5-TLX setups to meet diverse cleaning needs.



THE 1-TLX PIPE CLEANER

The Peinemann Single Lance Feeder (1-TLX) from the TLX series is known for its exceptional lightness, strength, and versatility. Featuring an ultra-light carbon fiber drive unit, it reduces weight by 30% while increasing overall strength.

INNOVATIVE DESIGN: The 1-TLX features a tool-free cartridge system, allowing for effortless maintenance.

ALL-IN-ONE POWERHOUSE: With a state-of-the-art gear drive system and durable dual motor setup, the 1-TLX achieves impressive push/pull strength of up to 200 kg (441 lb) in low gear mode. The 1-TLX has a hose feed rate of 12.5 cm - 33cm/s (4.9 - 12.9 in/s).

BUILT FOR EFFICIENCY: This single lance feeder can handle 3/8", 1/2" and 3/4" hoses. It can be directly mounted to a pipe due to the light weight and compact design, allowing a quick setup.



TECHSPECS

GENERAL

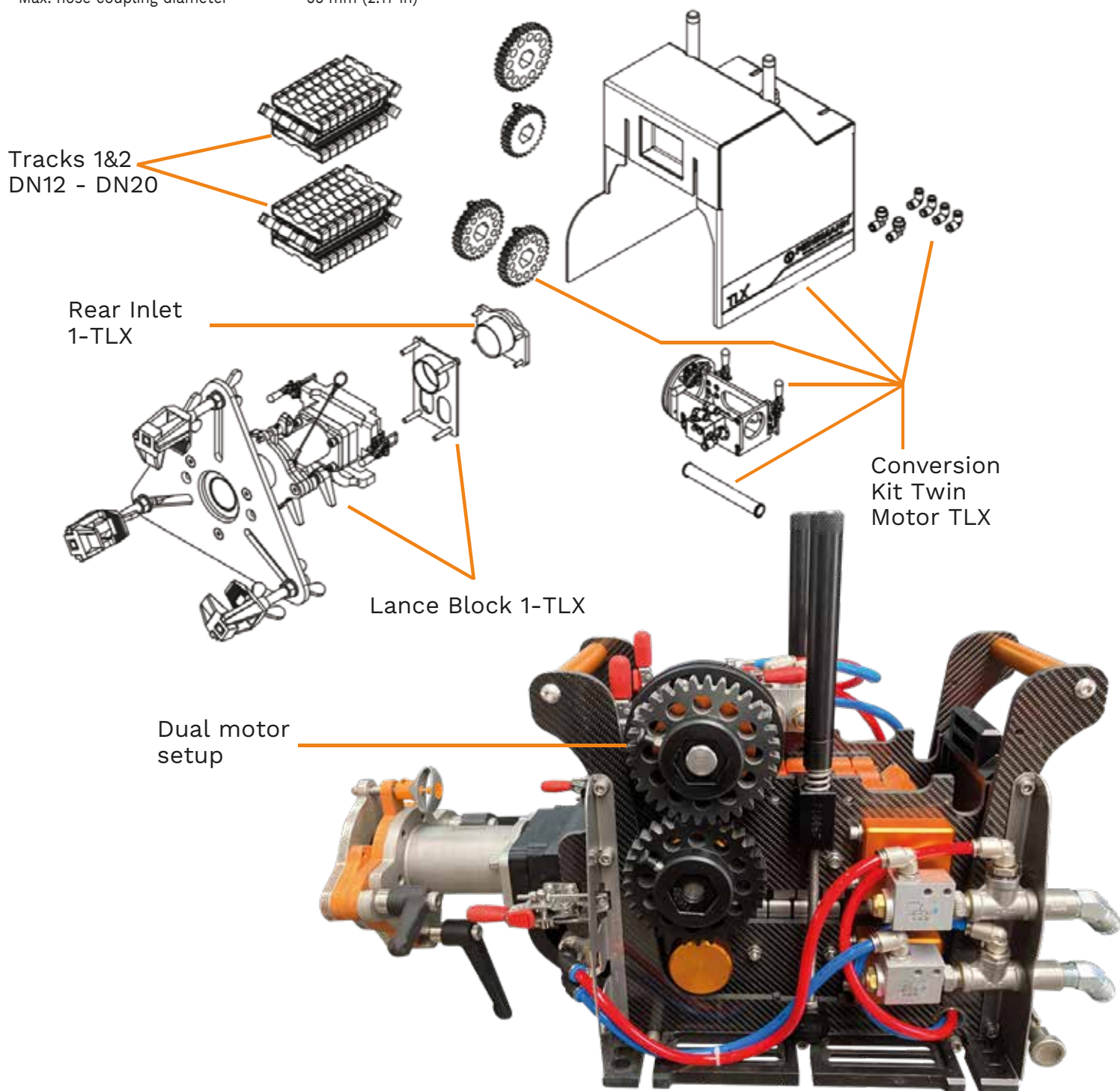
Length (drive unit)	46.5 cm (18.3 in)
Width (drive unit)	26.5 cm (10.4 in)
Height (drive unit)	42.0 cm (16.5 in)
Weight (drive unit incl. motor)	27 kg (59.5 lb)
Hose feed rate	12.5 - 33 cm/s (4.9 - 12.9 in/s)
Max. push/pul force	200 kg (441 lb)
Pitch adjustment range	N.a.

MOTOR

Motor model	Atlas Copco LZB33-L-AR004-50 (2x)
Max. output	0.25kW (0.34 hp)
Min. airpressure	3.0 bar (43.5 psi)
Operating air pressure	6.3 bar (91.4 psi)
Max. air pressure	7.0 bar (101.5 psi)
Max. air consumption	7.9 l/s (16.7 cfm) (15.8l/s(33.5 cfm) in total with 2 motors)
Stall torque	24 Nm (17.8 ft lb)
Vane type	Lubrication free

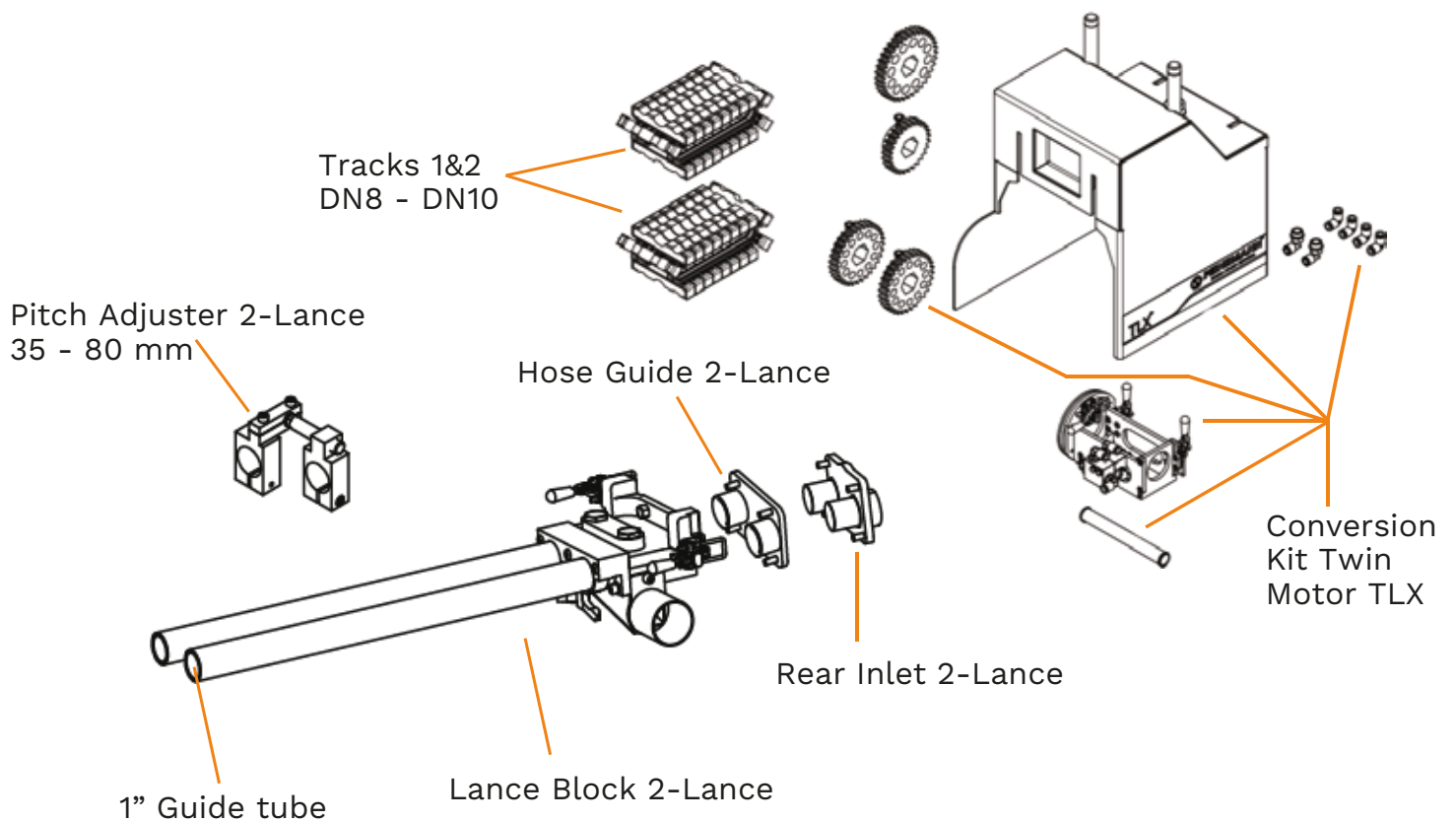
HOSE SPECIFICATIONS

Hose size	10/4 - 20/6 (3/8" - 3/4")
Hose outer diameter	20 - 35 mm (0.79 - 1.38 in)
Max. hose coupling diameter	55 mm (2.17 in)



2-TLX XL CONVERSION KIT

The 2-TLX XL is specifically designed to clean large tubes, for example in evaporators. It uses two 1" guide tubes to accommodate larger 24mm nozzles with a wide pitch. Its interchangeable gear drive system delivers 25% more speed and power control, enabling up to 200 kg (441 lb) of push/pull force.



TECHSPECS

GENERAL

Length (drive unit)	46.5 cm (18.3 in)
Width (drive unit)	26.5 cm (10.4 in)
Height (drive unit)	42.0 cm (16.5 in)
Weight (drive unit incl. motor)	27 kg (59.5 lb)
Hose feed rate	12.5 - 33 cm/s (4.9 - 12.9 in/s)
Max. push/pul force	200 kg (441 lb)
Pitch adjustment range	35 - 80 mm (1.38 - 3.15 in)

MOTOR

Motor model	Atlas Copco LZB33-L-AR004-50 (2x)
Max. output	0.25kW (0.34 hp)
Min. airprssure	3.0 bar (43.5 psi)
Operating air pressure	6.3 bar (91.4 psi)
Max. air pressure	7.0 bar (101.5 psi)
Max. air consumption	7.9 l/s (16.7 cfm) (15.8l/s(33.5 cfm) in total with 2 motors)
Stall torque	24 Nm (17.8 ft lb)
Vane type	Lubrication free

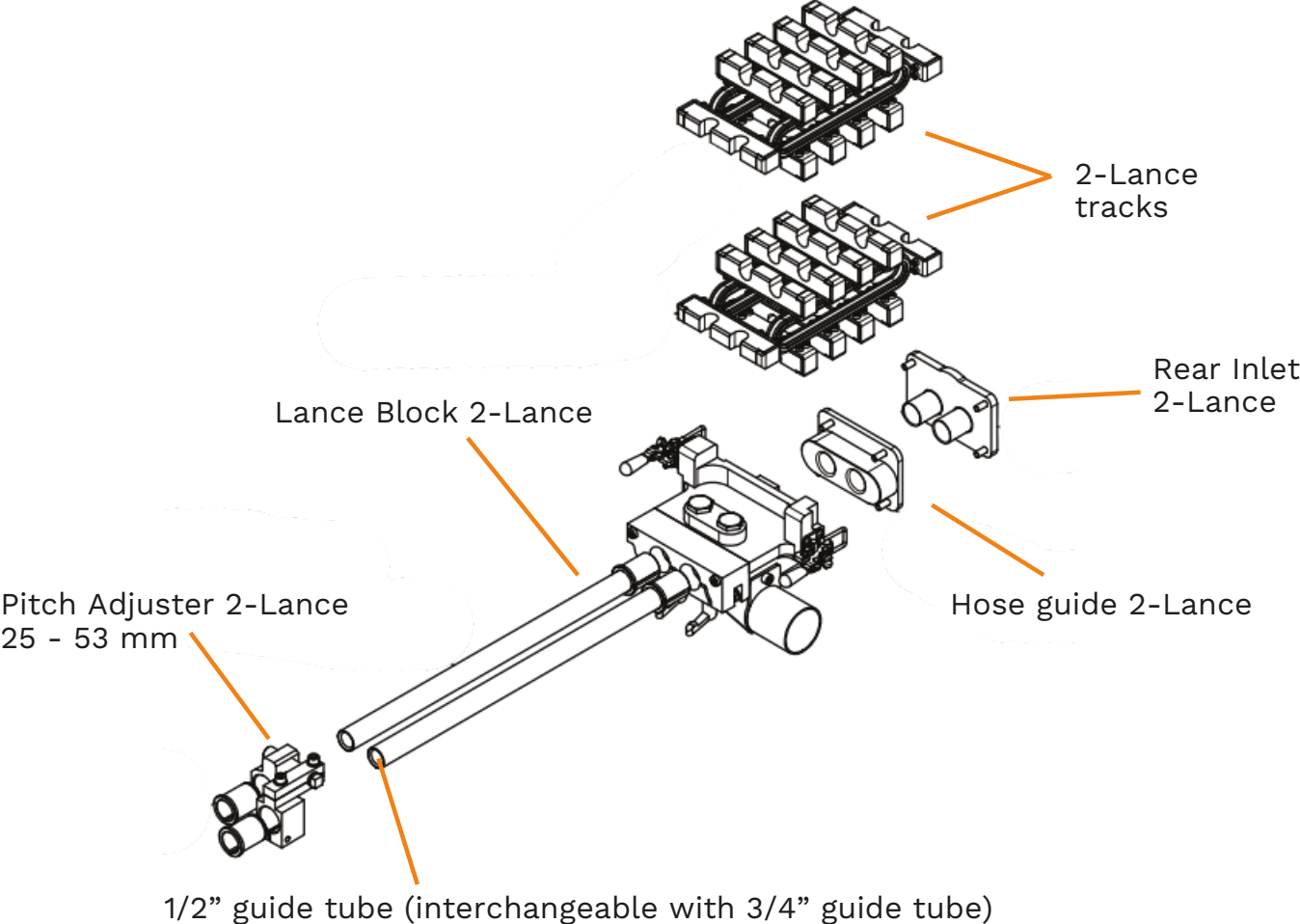
HOSE SPECIFICATIONS

Hose size	8/4 - 10/4
Hose outer diameter	14 - 19 mm (0.55 - 0.75 in)
Max. hose coupling diameter	25 mm (2.17 in)



2-TLX40 CONVERSION KIT

Transform your existing tube feeder into the Peinemann Dual Lance Feeder (2-TLX) with our innovative conversion kit. Experience the benefits of a lightweight, robust, and highly adaptable tube feeder designed to tackle demanding cleaning operations. This dual lance feeder has a standard pitch of 40mm between the two lances—ideal for standard heat exchanger tubes. This feeder uses 3/2 - 8/4 hoses.



TECHSPECS

GENERAL

Length (drive unit)	46.5 cm (18.3 in)
Width (drive unit)	26.5 cm (10.4 in)
Height (drive unit)	31.5 cm (12.4 in)
Weight (drive unit incl. motor)	17 kg (37.5 lb)
Hose feed rate	40 - 70 cm/s (15.7 - 27.6 in/s)
Max. push/pul force	130 kg (287 lb)
Pitch adjustment range	25 - 53 mm (0.98 - 2.09 in)

MOTOR

Motor model	Atlas Copco LZB46-ML-AR004-50
Max. output	0.62kW (0.83 hp)
Min. airpressure	3.0 bar (43.5 psi)
Operating air pressure	6.3 bar (91.4 psi)
Max. air pressure	7.0 bar (101.5 psi)
Max. air consumption	14 l/s (29.7 cfm)
Stall torque	32 Nm (23.3 ft lb)
Vane type	Lubrication free

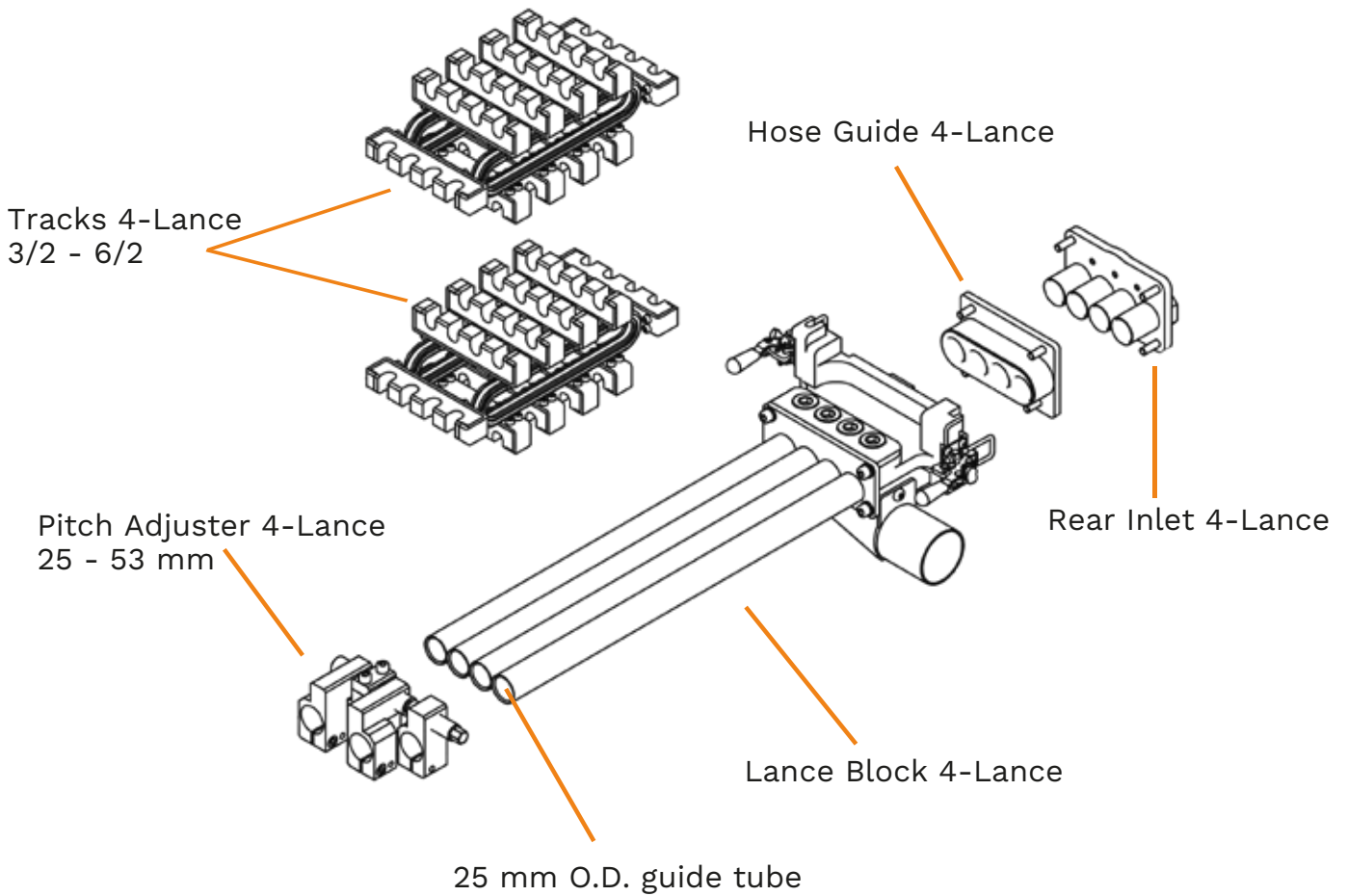
HOSE SPECIFICATIONS

Hose size	3/2 - 8/4
Hose outer diameter	7 - 15mm (0.25-0.59 in)
Max. hose coupling diameter	21.5 mm (0.85 in)



4-TLX CONVERSION KIT

Upgrade your current tube feeder with our Quadruple Lance Feeder (4-TLX) conversion kit. Enjoy the advantages of a lightweight, durable, and versatile tube feeder that excels in challenging cleaning tasks. Maximum hose size is 5/2, and as a special option 6/2 can be fitted with custom guidetubes.



TECHSPECS

GENERAL

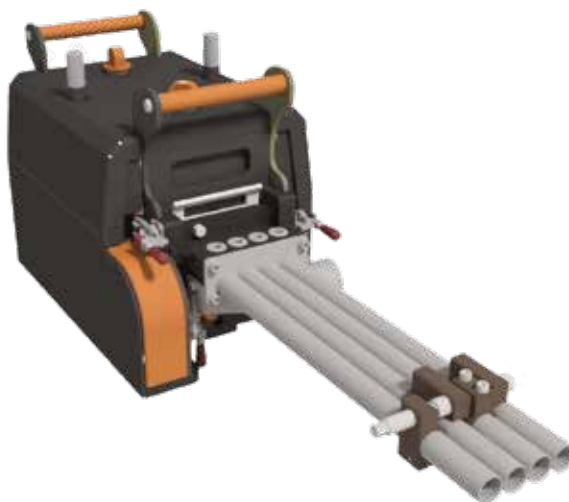
Length (drive unit)	46.5 cm (18.3 in)
Width (drive unit)	26.5 cm (10.4 in)
Height (drive unit)	31.5 cm (12.4 in)
Weight (drive unit incl. motor)	17 kg (59.5 lb)
Hose feed rate	40 - 70 cm/s (15.7 - 27.6 in/s)
Max. push/pul force	130 kg (287 lb)
Pitch adjustment range	25 - 53 mm (0.98 - 2.09 in)

MOTOR

Motor model	Atlas Copco LZB46-ML-AR007-50
Max. output	0.62kW (0.83 hp)
Min. airpressure	3.0 bar (43.5 psi)
Operating air pressure	6.3 bar (91.4 psi)
Max. air pressure	7.0 bar (101.5 psi)
Max. air consumption	14l/s (29.7 cfm)
Stall torque	32 Nm (23.3 ft lb)
Vane type	Lubrication free

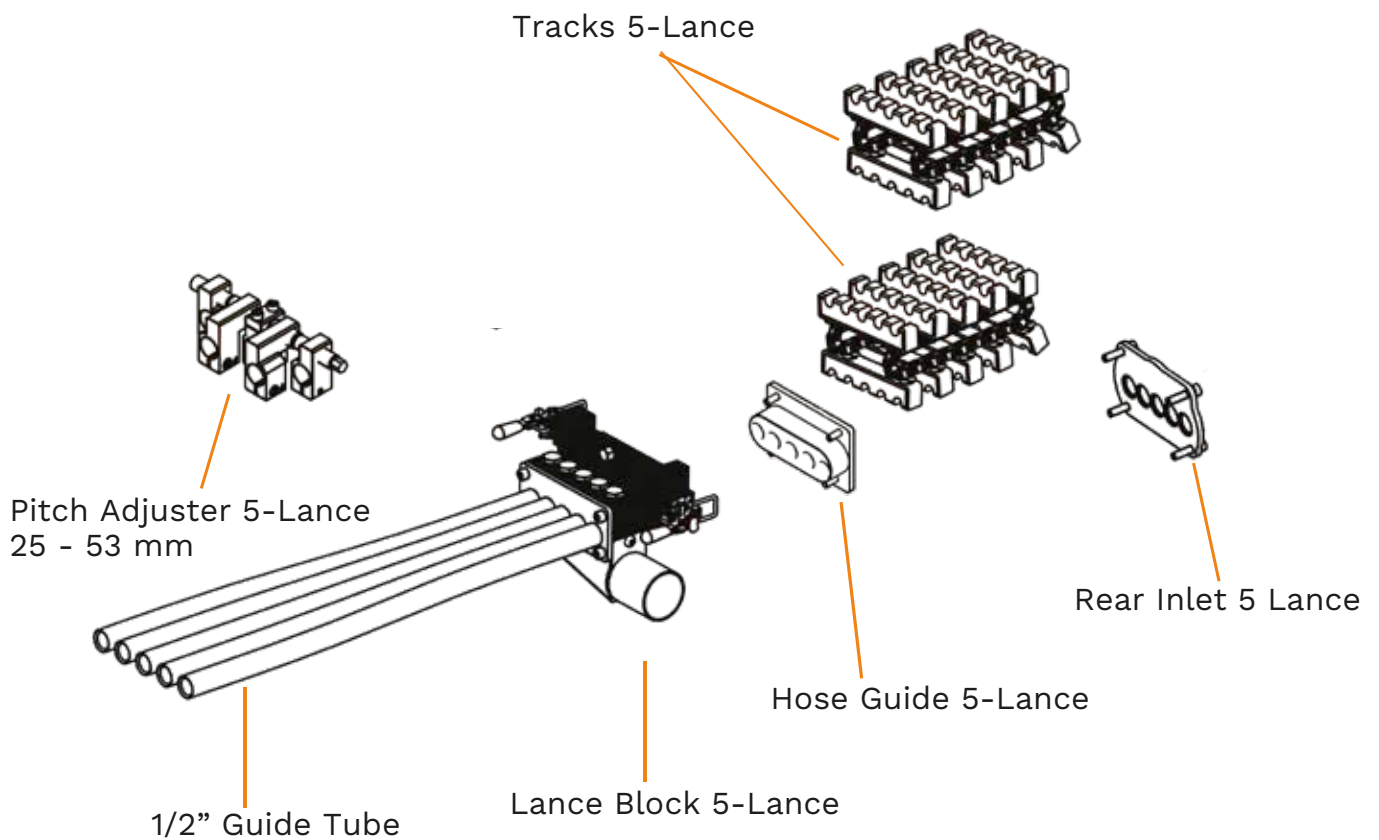
HOSE SPECIFICATIONS

Hose size	3/2 - 5/2
Hose outer diameter	7 - 11.5 mm (0.28 - 0.45 in)
Max. hose coupling diameter	18 mm (0.59 in)



5-TLX CONVERSION KIT

Upgrade your current tube feeder with our Peinemann Quintuple Lance Feeder (5-TLX) conversion kit. Enjoy the advantages of a lightweight, durable, and versatile tube feeder that excels in challenging cleaning tasks. Maximum hose size 5/2.



TECHSPECS

GENERAL

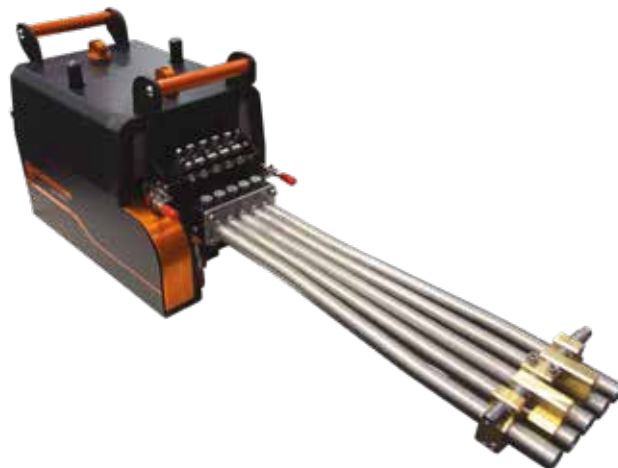
Length (drive unit)	46.5 cm (18.3 in)
Width (drive unit)	26.5 cm (10.4 in)
Height (drive unit)	31.5 cm (12.4 in)
Weight (drive unit incl. motor)	17 kg (59.5 lb)
Hose feed rate	40 - 70 cm/s (15.7 - 27.6 in/s)
Max. push/pul force	130 kg (287 lb)
Pitch adjustment range	25 - 53 mm (0.98 - 2.09 in)

MOTOR

Motor model	Atlas Copco LZB46-ML-AR007-50
Max. output	0.62kW (0.83 hp)
Min. airpressure	3.0 bar (43.5 psi)
Operating air pressure	6.3 bar (91.4 psi)
Max. air pressure	7.0 bar (101.5 psi)
Max. air consumption	14l/s (29.7 cfm)
Stall torque	32 Nm (23.3 ft lb)
Vane type	Lubrication free

HOSE SPECIFICATIONS

Hose size	3/2 - 5/2
Hose outer diameter	7 - 11.5 mm (0.28 - 0.45 in)
Max. hose coupling diameter	15 mm (0.59 in)





IBC

**INSIDE BUNDLE
CLEANER**



IBC

INSIDE BUNDLE CLEANER

The Peinemann Inside Bundle Cleaner (IBC-5) is a highly efficient rigid lance machine, designed to clean the dirtiest bundles during a turnaround and significantly increase operation efficiency in the wash bay. It's cabin is located on top, providing operators with an optimal view of the tube sheet. The IBC 5 can clean 5 tubes simultaneously, with a maximum pressure of 1,400 bar (20,300 Psi). Operators can clean up to 800-1000 tubes per hour, with a recommended flow between 180-260 LPM (45-65 GPM).

Rigid lances deliver higher flow rates than flexible alternatives and ensures maximum pressure with minimal loss. This results in increased cleaning efficiency—right where it matters most: at the nozzle.

The IBC is equipped with tinted windows, wipers, work lights, and intuitive electronic proportional joysticks for smooth controlled strokes and longer lance life. The cabin ensures excellent visibility and safe, comfortable operation. Optional features include air conditioning and hydraulic bundle roller integration.

The lance bed features a robust T-profile that guarantees maximum support for the rigid lances and prevents bending. It also offers straight alignment and easy indexing. A safety shut-off valve prevents accidental bundle movement when lances are in the tubes.

IBC OPTIONS

The Peinemann IBC can be configured to meet a wide range of internal cleaning needs, power preferences, and site conditions. The IBC-5 is available in either a diesel or electric configuration, offering quieter operation and lower emissions.

The standard version comes with a 3-cylinder diesel-powered, water-cooled engine, delivering reliable performance under heavy-duty use, the electric-powered version is 11,5 Kw/400V.

The IBC system can be equipped with a range of additional features to enhance safety, performance, and ease of use:

Optional long outriggers

For easy loading and offloading on most standard trailers, optional long outriggers are available, which extend up to 120 cm (47.2 in) tall and 3 meter (10 ft) wide.



SKF Automatic lubrication system

This system automatically lubricates drive chains during operation to avoid corrosion.



Mounted storage box

Extra stainless steel storage box on the side of the IBC for 10 rigid lances.



Bracket incl. 2 rotating gun nozzles

Two highflow gun nozzles for cleaning the tube sheet.



Hydraulic pitch adjuster

Can be operated from the cabin for easy adjustment of the pitch.



Climate control options

The Peinemann IBC has the option for an integrated or roofmounted heater/AC unit.



Hydraulic high pressure water highflow dump valve system

A key safety feature, the dump valve on the peinemann IBC controls the release of high-pressure water, ensuring safe and efficient operation during cleaning.



TECHSPECS

WEIGHT AND DIMENSIONS

Total weight approx.	5,500 kg (12,125 lb)
Max. dimensions (without extendable outriggers)	1150.0 x 217.0 x 238.0 cm (452.8 x 85.4 x 93.7 in)
Max. dimensions (with extendable outriggers)	1150.0 x 217.5 x 238.0 cm (452.8 x 97.4 x 93.7 in)
Max. dimensions (with extendable outriggers) when outriggers are detached for transport	1150.0 x 247.0 x 238.0 cm (452.8 x 85.4 x 93.7 in)
Additional height optional A/C roof unit	18.5 cm (7.3 in)
Max. fixed outriggers	50.0 cm (19.7 in)
Max. height extendable outriggers	120.0 cm (47.2 in)
Max. extension extendable outriggers per outrigger	50.0 cm (19.7 in) (100.0 cm in total)

LANCES

Dimensions Lancebed	1150.0 x 71.0 x 147.0 cm (452.8 x 28.0 x 57.9 in)
Min. height lancebed	60.0 cm (23.6 in)
Max. height lancebed	210.0 cm (82.7 in)
Lancebed left/right range	150.0 cm (59.1 in)
lancebed forward/backward range	60.0 cm (23.6 in)
Max. working length of lances	930.0 cm (366.1 in)
Lance pitch	22.0 - 45.0 mm (0.9 - 1.8 in)
Max. lance speed	100.0 cm/sec (39.4 in/sec)
Max. forward thrust	300 kg/lance (661 lb/lance)

WATER

Recommended water pressure	1,000 bar (14.503 psi)
Max. water pressure	1,500 bar (21,755 psi)
Recommended water flow	200 l/min (52.8 gal/min)

HYDRAULICS

Hydraulic oil tank	180 l (47.6 gal)
Hydraulic pump	19 cc + 8 cc

DIESEL ENGINE (WATER COOLED) POWERUNIT (STANDARD)

Model	Kubota D1105-E4B
Cylinders	3
Emission Regulation	EPA/CARB Tier 4 + EU Stage V
Max. RPM	3000 RPM
Horsepower	18.5 kW / 24,8 Hp
Cubic Capacity	1,123 cc

ELECTRIC POWERUNIT (OPTIONAL)

Motor	400V 50Hz
Max. RPM	1,500 RPM



OBC

**OUTSIDE BUNDLE
CLEANER**



OBC **OUTSIDE** **BUNDLE CLEANER**

The Peinemann Outside Bundle Cleaner (OBC) is our most advanced external bundle cleaning system to date. Built with a deliberate heavy-duty design, the OBC delivers maximum reliability and performance, living up to the high standards of all Peinemann equipment.

The OBC consists of two main components: the main frame and operator cabin. Both are equipped with forklift slots for easy transport and setup. The mast can be raised or lowered for fast mobilization, and the track-and-pinion drive system ensures smooth, precise movement with minimal maintenance.

Designed for stability, the OBC features extendable outriggers and durable composite glide blocks, allowing for fast, obstruction-free movement of the mast—even under heavy loads. The new mast design handles reaction forces from 350 LPM (90GPM) at 1000 bar (15K PSI), ideal for high-flow, pressure cleaning, where flow is the key to effective external cleaning.

The operator cabin is both functional and comfortable, featuring tinted glass, wipers, intuitive controls, and a hydraulic tilting mechanism for better visibility. It's mounted on wheels for flexible positioning and includes hydraulic controls, with an option for hydraulic bundle rollers.

The mast has extended reach and is raised using a reliable hydraulic-and-cable system, proven to be robust and easy to maintain. Optional features include an automated greasing system, various nozzle heads, and a rotating mast to clean bundles on both sides

OBC

CONFIGURATION

The Peinemann Outside Bundle Cleaner (OBC) offers various configurations and optional features to enhance its functionality, safety, and performance. Here are the main configurations available:

The standard OBC features an enclosed operator cabin that protects the operator from high-pressure spray and external contamination, providing a safe and comfortable working environment. Power is integrated into the cabin and is available in either a diesel or electric configuration.

The diesel-powered version is available with a 1-cylinder air-cooled engine for basic applications or a 3-cylinder water-cooled engine, in case more options are required. Options such as an AC or hydraulic rotating nozzle head. Alternatively, the electric-powered version uses a 400v/10Kw electric motor, offering quieter operation and lower emissions.

All cabin versions come equipped with windscreen wipers and working lights. Air conditioning is optional and can be added to enhance operator comfort. Additional climate control options include an integrated AC/heater for diesel engines, or a roofmounted electric AC/heater.



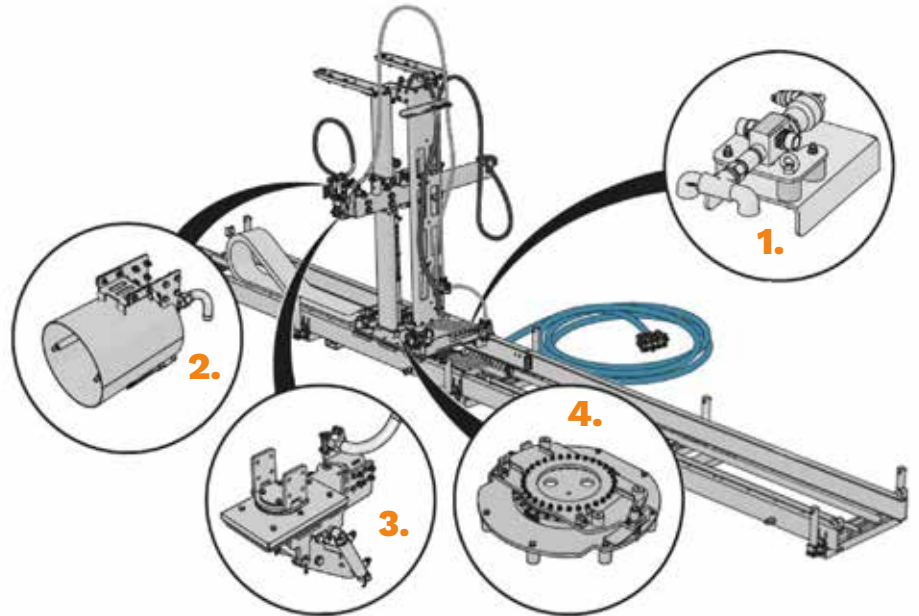
OBC-BASIC CONFIGURATION



The OBC-Basic is a simplified version of Peinemann's Outside Bundle Cleaner, designed without an operator cabin. Power is supplied through a separate powerpack instead of the cabin, and the machine itself is operated via a separate remote control. The standard powerpack comes with a 10 KiloWatt 400 Volt electric motor. An optional diesel driven powerpack is also available.

OBC OPTIONS

The Peinemann OBC can be configured to meet a wide range of cleaning needs, and site conditions. The OBC system can be equipped with a range of additional features to enhance safety, performance, and ease of use:



- 1. High pressure water highflow dump valve**
A key safety feature, the dump valve on the Peinemann OBC controls the release of high-pressure water, ensuring safe and efficient operation during cleaning.

- 2. Hydraulic rotating nozzle head**
Hydraulic rotating nozzle head, for effortless cleaning with two high flow fast rotating nozzles.

- 3. Hydraulic nozzle assembly**
Vertical and Horizontal turnable nozzles from inside the cabin by means of 2 cylinders, 1x 90° Vertical and 180° horizontal.

- 4. Manual rotating tower base**
The Peinemann OBC's manual tower base allows 180° rotation for cleaning bundles on both sides of the OBC.

- 5. Climate control options**
The Peinemann OBC has the option for an integrated or roofmounted heater/AC unit.



- 6. SKF Automatic lubrication system**
Automatic lubrication system for lubrication of the mainframe for smooth continuous movement of the main carriage.



TECHSPECS

CABIN WEIGHT AND DIMENSIONS

Max. cabin weight	1,700 kg (3,748 lb)
Max. cabin dimensions	345.0 x 130.0 x 205.0 cm (135.8 x 51.2 x 80.7 in)
Additional height optional A/C roof unit	22.5 cm (8.9 in)
Max. cabin tilt for visibility	10 degrees

BASE FRAME WEIGHT AND DIMENSIONS

Frame weight (Standard)	2,800 kg (6,173 lb)
Dimensions operating mode (standard)	1215.0 x 252.5 x 343.0 cm (478.3 x 99.4 x 135.0 in)
dimensions operating mode (with optional hydraulic turnable tower)	1215.0 x 252.5 x 373.0 cm (478.3 x 99.4 x 146.9 in)
Dimensions operating mode (with optional manual turnable tower)	1215.0 x 252.5 x 361.0 cm (478.3 x 99.4 x 142.1 in)
Dimensions transport mode (all models)	620.0 x 247.0 x 220.0 cm (244.1 x 97.2 x 86.6 in)
Dimensions container transport mode (nozzle block disassembled) (all models)	620.0 x 225.5 x 220.0 cm (244.1 x 88.8 x 86.6 in)

WATER

Max. water pressure	1,000 bar (14,503 psi)
Reccomended water flow	200 l/min (52.8 gal/min)
Number of nozzles (standard)	3

WORKING RANGE

Working range forward/backward	150.0 cm (59.1 in)
Working range up/down	230.0 cm (90.1 in)
Working range left/right	1088.0 cm (428.3 in)

HYDRAULICS

Hydraulic oil tank	135 l (35.7 gal)
Hydraulic pump	Dependent on powerunit

DIESEL ENGINE (WATER COOLED)

Model	Kubota D1105-E4B
Cylinders	3
Power	18.5 kW 24,8 Hp
Max, RPM	3,000 RPM
Cooling	Water
Emission Regulation	EPA/CARB Tier 4 + EU stage V

(OPTIONAL) ELECTRIC MOTOR

Motor	400V 50 Hz
RPM	1500
Power	7.5 kW
Hydraulic oil tank	135L (35.7 gal)
Hydraulic system	36L/min at 150 bar

HYDRAULIC ROLLERS

Peinemann's bundle rollers are engineered to support and rotate heat exchanger bundles during high-pressure cleaning. These heavy-duty rollers allow for easy rotation of bundles, with four rollers on each frame, to handle small diameter bundles and large diameter bundles without changing the distance, ensuring thorough and consistent cleaning with minimal manual handling.

Available configurations include a standard setup with two motors, one driven and one non-driven roller, powered by a dual hydraulic motor, as well as a special 2x4 version in which both rollers are driven for enhanced control. Additionally, Peinemann offers a 1.5 set of standard heavy-duty rollers—featuring two driven rollers and one non-driven—specifically developed to accommodate extra-long or particularly heavy bundles. This configuration delivers greater traction and stability, making it ideally suited for demanding applications where increased load capacity and rotational support are critical.

These rollers are compatible with a wide range of bundle sizes and weights, providing smooth, controlled rotation for comprehensive external cleaning. They significantly improve both safety and efficiency during maintenance operations and integrate seamlessly with Peinemann's IBC (Inside Bundle Cleaner) and OBC (Outside Bundle Cleaner) systems for fully automated cleaning setups.

This robust and versatile solution enhances the speed, safety, and overall quality of your external bundle cleaning process. For added flexibility, the rollers can also be operated independently using a separate powerpack, which is available

Standard Heavy Duty Rollers

Hydraulic Driven 2x2 Rollers, 2 motors, 1 driven, 1 non driven. Capacity 30 Tons.



Special Heavy Duty Rollers

Hydraulic driven rollers with 2x4 rollers (both driven). Capacity 50 Tons.



Seperate Powerpack

Electric with optional diesel engine



TECHSPECS

HYDRAULIC DRIVEN 2X2 ROLLERS, 2 MOTORS, 1 DRIVEN, 1 NON-DRIVEN

Total weight	1400 kg
Working load	30 Ton
Height	560 mm
Transportation height	1120 mm
Total width	1200 mm
Roller length	1200 mm
Total length	1500 mm
Center sizes between the rollers	540 or 800 mm
Diameter	330 mm
Bearings	50 Ton capacity each
Wall Thickness of the rollers	24 mm

HYDRAULIC DRIVEN 2X4 ROLLERS, BOTH DRIVEN

Total weight	2000 kg
Working load	50 Ton
Height	765 mm
Transportation height	1530 mm
Total width	1570 mm
Roller length	1200 mm
Total length	14300 mm
Center sizes between the rollers	407 or 950 mm
Diameter	219 mm
Bearings	50 Ton capacity each including rubber shock absorbers at the bottom
Wall Thickness of the rollers	19 mm

1.5 SET OF STANDARD HEAVY DUTY ROLLERS 2 DRIVEN, 1 NON-DRIVEN

Total weight	2.400 kg
Working load	45 Ton
Height	560 mm
Transportation height	1755 mm
Total width	1200 mm
Roller length	1200 mm
Total length	1500 mm
Center sizes between the rollers	540 or 800 mm
Diameter	330 mm
Bearings	50 Ton capacity each
Wall Thickness of the rollers	24 mm