



# PEINEMANN

EQUIPMENT



Outside Bundle Cleaning Systems





## Outside Bundle Cleaner Type B

Peinemann introduces the outside bundle cleaner. This system was developed by Peinemann in cooperation with several high pressure cleaning specialists. The OBC provides a safe alternative to manual methods. We designed this machine to clean the outside of your bundles fast, safe and easy.

The tube bundle is placed on two optional heavy duty rollers,

which can be controlled from the operator cabin. The bundle is cleaned by a nozzle bar that can be manipulated in three directions; horizontal, vertical, nozzle bar in/out.

The proper combination of water pressure (up to 1000 bar) and flow, removes scaling, coke, polymers, etc. without the use of any additional cleaning materials.

The outside bundle cleaner has a horizontal stroke of 9.50 metres 31.1ft and the maximum height is 1.85 metres (6.08ft). The speed is adjustable from the cabin from 0-1 m/sec (3.28ft/sec) in order to get the best cleaning results.

All hydraulic controls are placed in the cabin where the operator can sit comfortably and safely without being exposed to

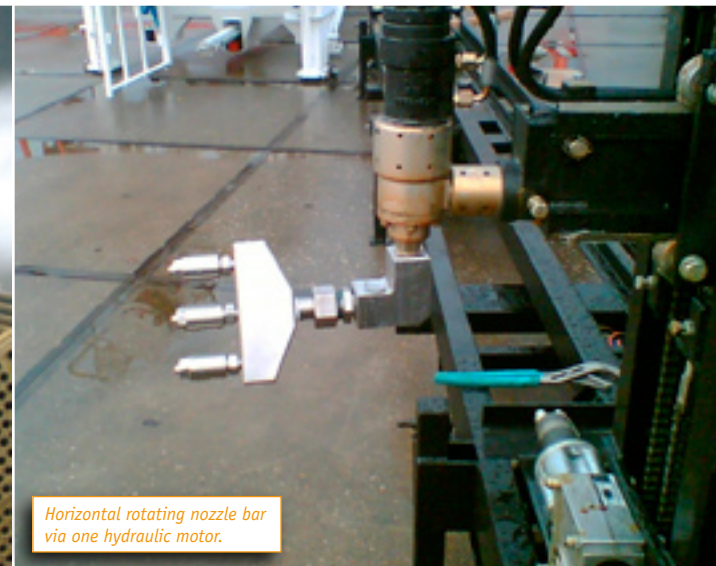
the debris coming off the bundle. The power pack is situated behind the cabin, easily accessible and all hydraulic hoses are fitted with quick connectors for easy transportation.

As a machine can handle a lot more water to clean in between the tubes, the bundle can be cleaned all the way up to the centre and the risks for accidents is down to a minimum.

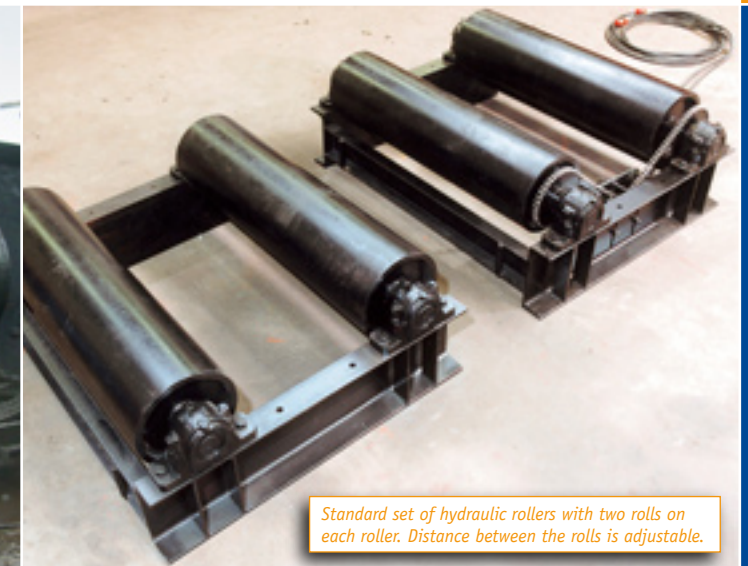




Nozzle block rotation via hydraulic control for OBC-B and OBC XL .



Horizontal rotating nozzle bar via one hydraulic motor.



Standard set of hydraulic rollers with two rolls on each roller. Distance between the rolls is adjustable.



Horizontal and vertical rotating nozzle bar via two hydraulic motors.



Adjustable spot lights manipulated from inside cabin.



Standard set of rollers with two rolls on each. Distance between the rolls is adjustable.



Optional set of rollers with four rolls on each roller. Position of the rolls is fixed.

## Opties OBC Type B

The OBC-B machine can be equipped with an optional hydraulic manipulated nozzle bar controlled from inside the cabin to steer the jets. The bar is turned by hydraulic motor. This allows the operator to finitely control the direction of the HP jets. Furthermore, manipulation allows for full coverage cleaning including the tube sheet.

Hydraulically operated nozzle bar is standard for OBC-XL.

## Heavy Duty Rollers

The bundle is rotated on a pair of heavy duty hydraulic rollers, enabling cleaning of the bundle from all sides.

The operator to clean every inch if the fouled bundle.

One of the rollers is equipped with a hydraulic motor, operated from the cabin.





## Outside Bundle Cleaner XL

Peinemann introduces the outside bundle cleaner XL. This system was developed by Peinemann in cooperation with several high pressure cleaning specialists in order to bring you a safe and efficient cleaning machine to clean the outside of your bundles fast, safe and easy.

The tube bundle is placed on two optional heavy duty rollers,

which can be controlled from the operator cabin. The bundles are being cleaned by means of a horizontally driven nozzle bar, which can also move vertically and towards the bundle to get the best cleaning results. The right combination of water pressure (up to an optional 1500 bar) and flow, removes scaling, coke, polymers, etc. without the use of any additional cleaning materials.

The outside bundle cleaner XL has a horizontal stroke of 11 metres (36ft) and the maximum height is 2.70 metres (8.85ft). The speed is adjustable from the cabin from 0-1 m/sec (3.28) in order to get the best cleaning results.

All hydraulic controls are placed in the cabin where the operator can sit comfortably and safely without being exposed to the

debris coming back from the bundle. The power pack is situated behind the cabin, easily accessible and all hydraulic hoses are fitted with quick connectors for easy transportation.

As a machine can handle a lot more water to clean in between the tubes, the bundle can be cleaned all the way up to the centre and the risks for accidents is down to a minimum.



## Outside Bundle Cleaning Systems

### Technical specifications Type B

- Total Weight  
2500 kg / 5511.6 lbs
- Height Cabin Hut  
1900 mm / 74.86"
- Height Column in vertical position  
2700 mm / 106.38"
- Width  
950 mm / 37.43"
- Recommended flow  
130 - 200 L/min / 34.3 - 52.8 gal/min
- Number of nozzles  
3 (standard)
- Max. pressure  
1000 bar
- Jet lance horizontal travel  
9500 mm / 31.1"
- Jet Lance vertical travel  
1850 mm / 72.89"
- Jet Lance cross travel  
1000 mm / 39.4"
- Engine  
Silent pack HATZ diesel Mod. 1D18C
- Horse power  
11 Hp at 2.400RPM
- Cooling system  
Air
- Oil tank  
115 L / 30.4 gal
- Hydraulic system  
16,4 L / 1.1 gal at 150 bar

All hydraulic components are fitted with safety holding values.

### Technical specifications XL

- Total Weight  
8000 kg / 17637 lbs
- Height Column  
3240 mm 127.66"
- Transport height  
2750 mm / 108.35"
- Width  
1200 mm / 47.28"
- Number of nozzles  
to be selected
- Max. Pressure  
Till 1000 bar
- Jet lance horizontal travel  
11000 mm  
(5cm/sec - 30 mtr/min)  
36.08"  
1.97"/sec - 98.5ft/min)
- Jet Lance vertical travel  
2700 mm / 106.38"
- Jet Lance cross travel  
1400 mm / 55.16"
- Engine  
Silent pack HATZ diesel  
Mod. 1D81C
- Number of cylinders  
1
- Cubic capacity  
667 cm<sup>3</sup> / 40.7"2
- RPM  
2.400 rpm
- Horse power  
8.4 Kw / 11.4 HP
- Cooling system  
Air
- Oil tank  
170 L / 44.9 gal
- Hydraulic system  
27 L/min / 7 gal/min  
- 80 bar (1160psi)
- Steering  
either by remote from  
cabin or by remote out-  
side cabin

All hydraulic components are fitted with safety holding valves.

The position of nozzles can be changed 180° directed from the cabin in order to clean front and back tube sheet.

## Peinemann Equipment

See also  
[www.peinemannequipment.com](http://www.peinemannequipment.com)

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