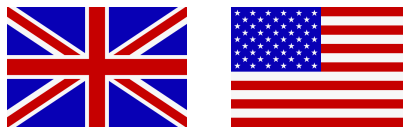
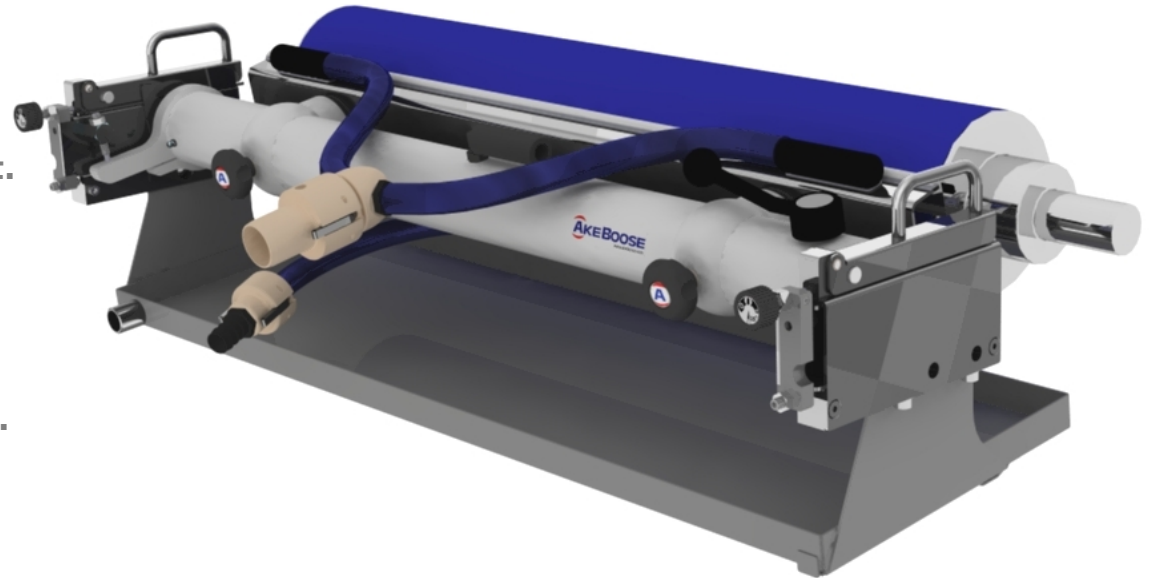


AkeBoose® NOVA AS Chamber System takes flexo inking to perfection

- High quality flexo inking system.
- Low purchasing and life-time cost.
- The most flexible system on the market.
- Easy service and maintenance procedures.
- Major savings in ink consumption.
- Extremely rigid system.



English/US Version
2.1

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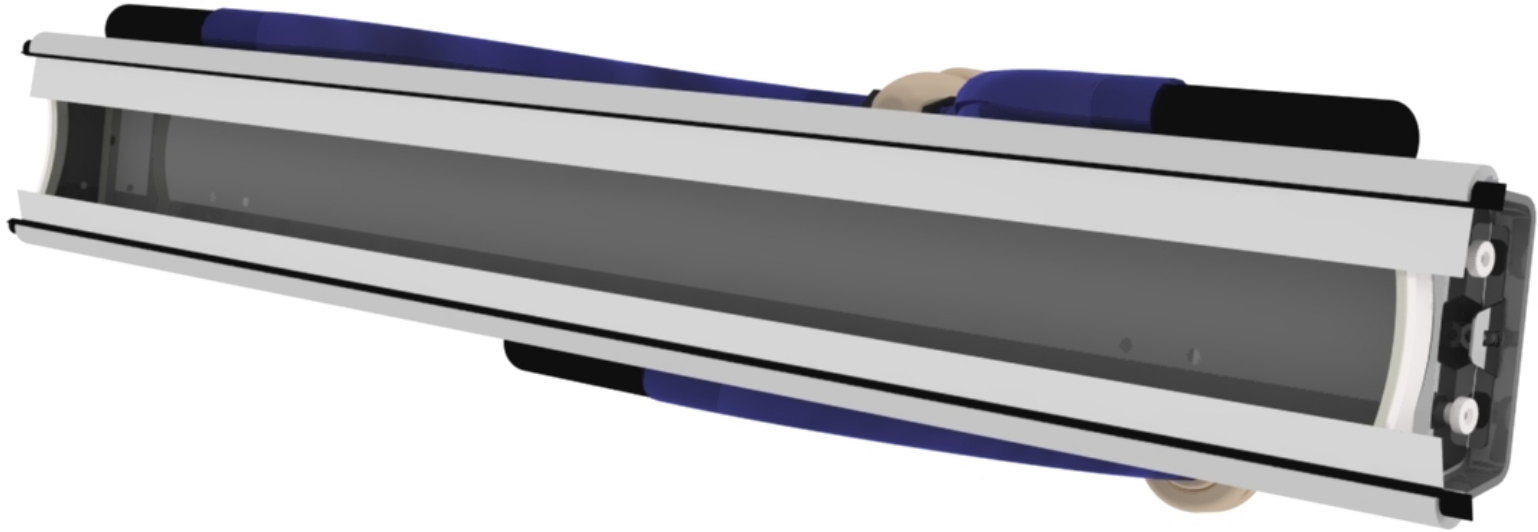
Main menu

1



AKEBOOSE
Graphic products

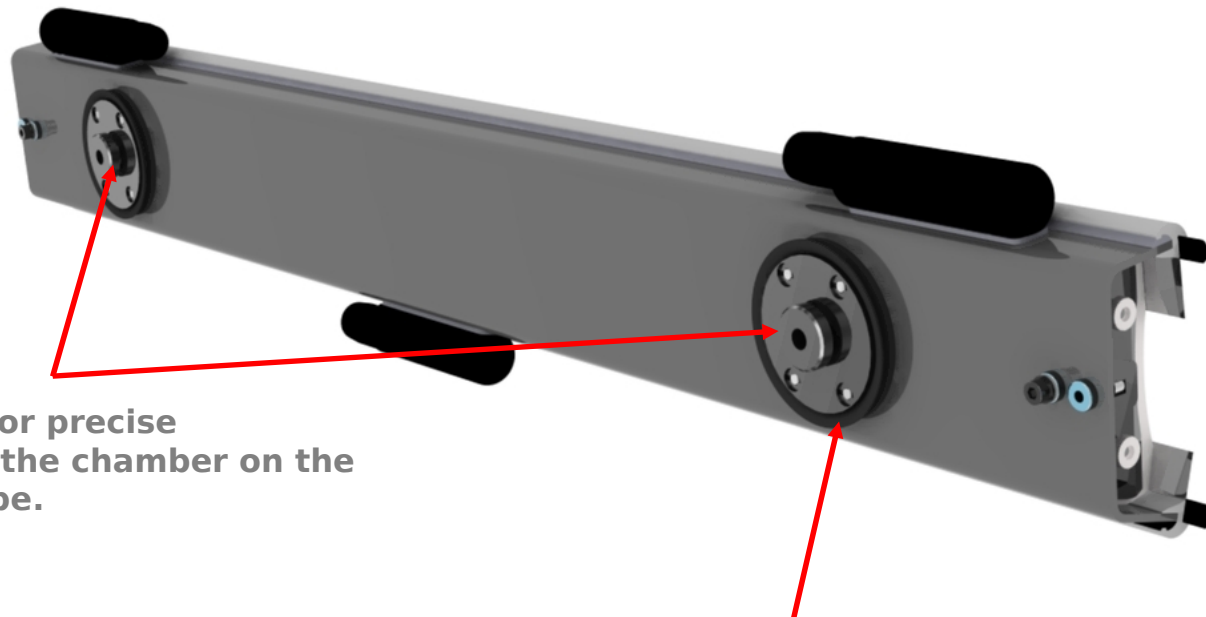
NOVA AS Chamber



Cold formed 3mm stainless steel construction ensures that excellent straightness is maintained.

NOVA AS Chamber

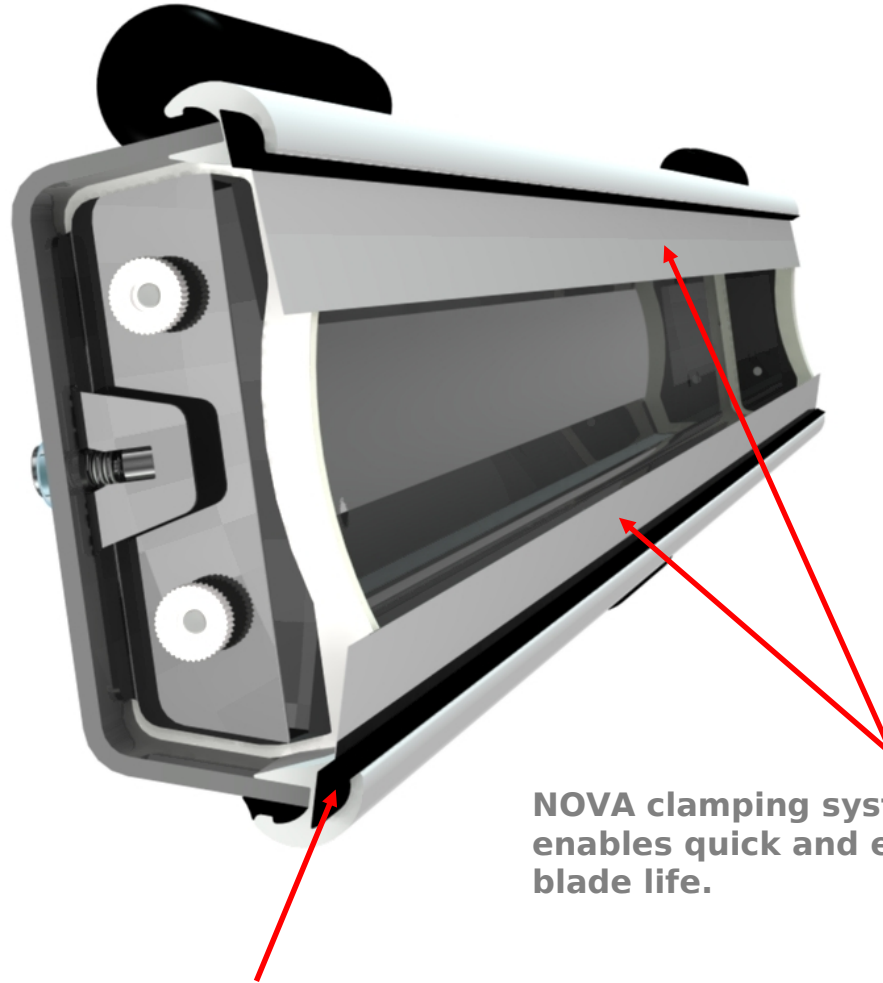
Rear view of the NOVA AS chamber.



Fixing studs, for precise positioning of the chamber on the suspension pipe.

Rubber rings, seal between chamber and fixing points.

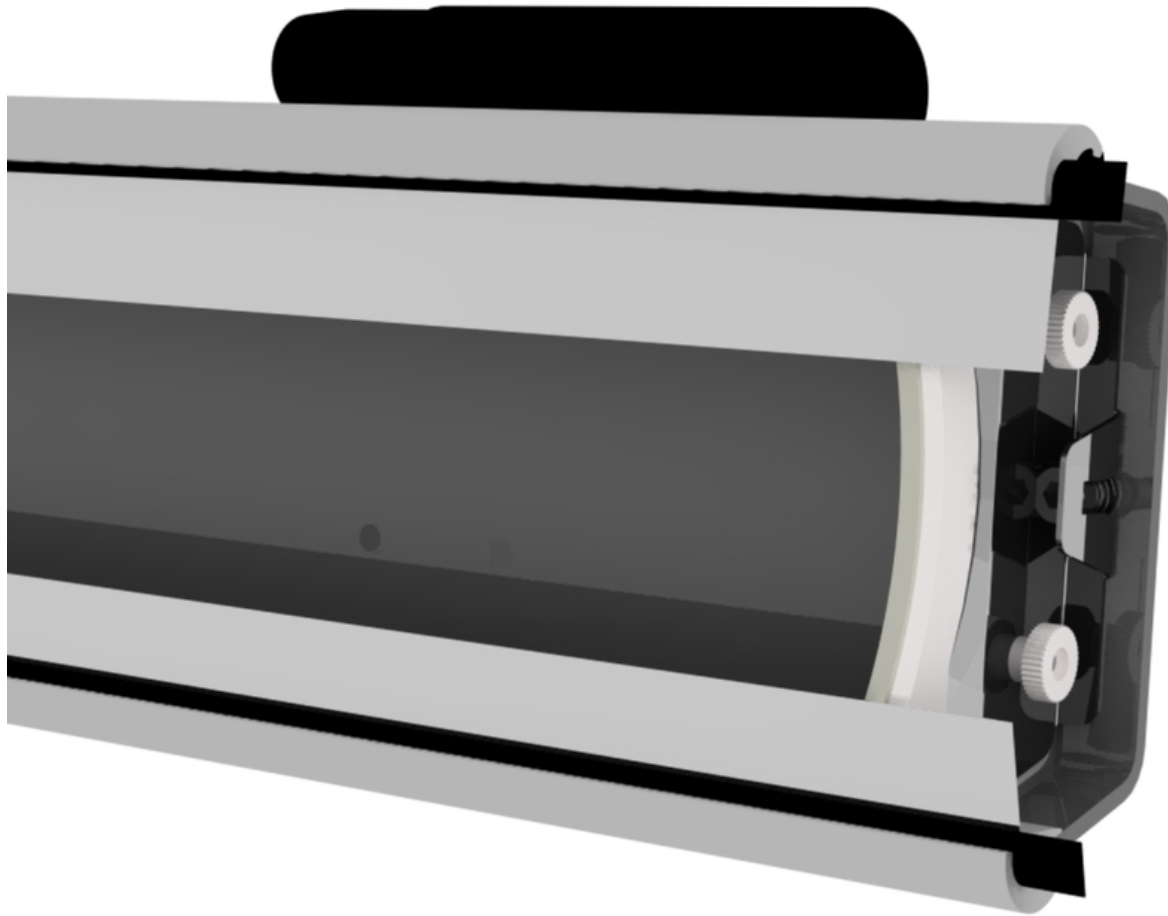
NOVA clamping system



Rubber wedge profile.

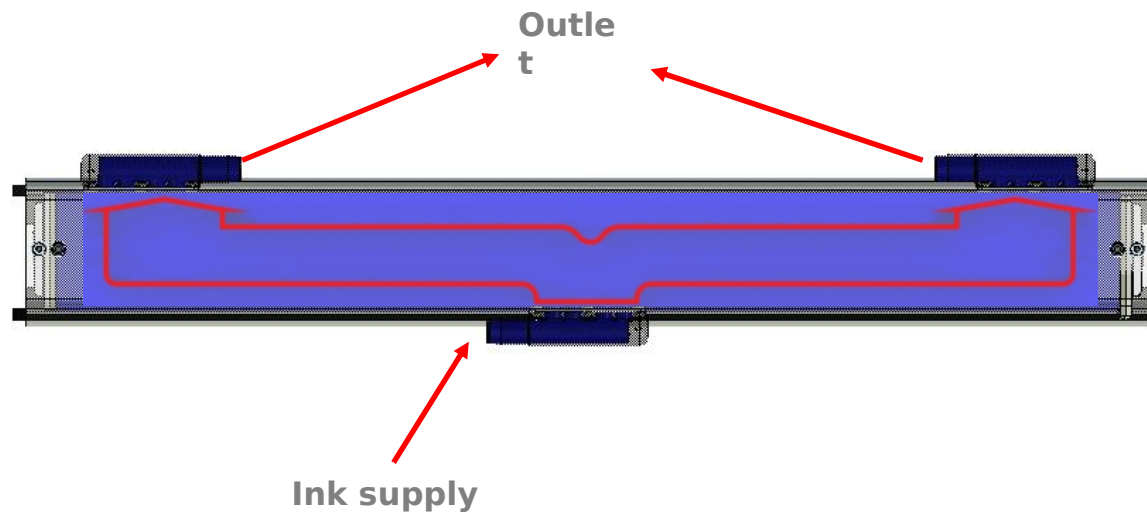
NOVA clamping system, carrying doctor blades, enables quick and easy blade change and superior blade life.

End-seals



Foam end-seals keep the ink on the screen roller surface only.

Ink flow



Main menu

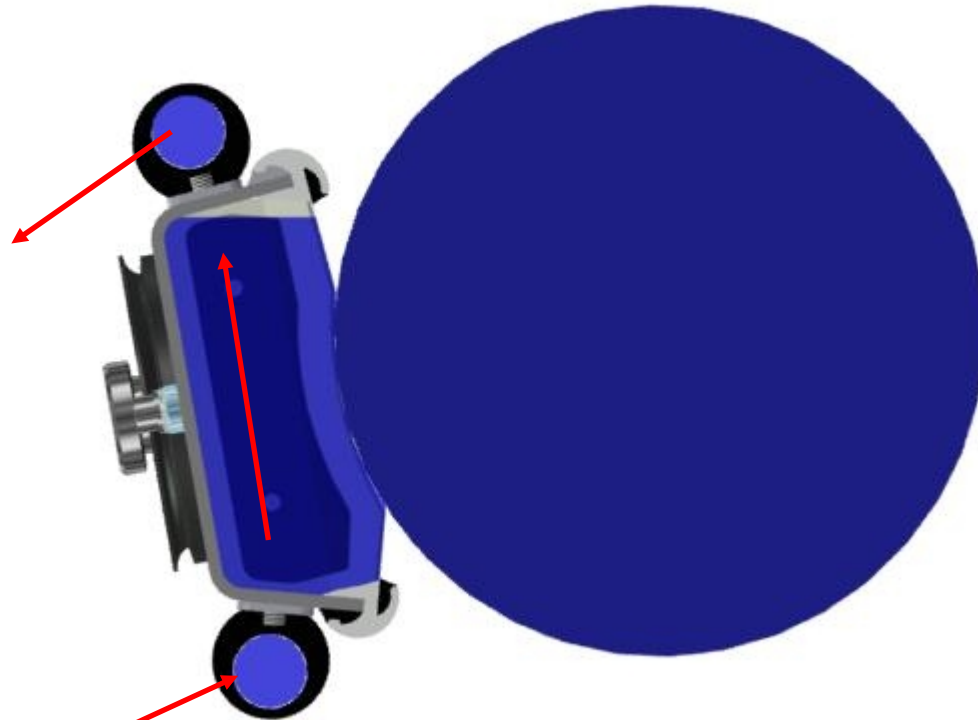
6



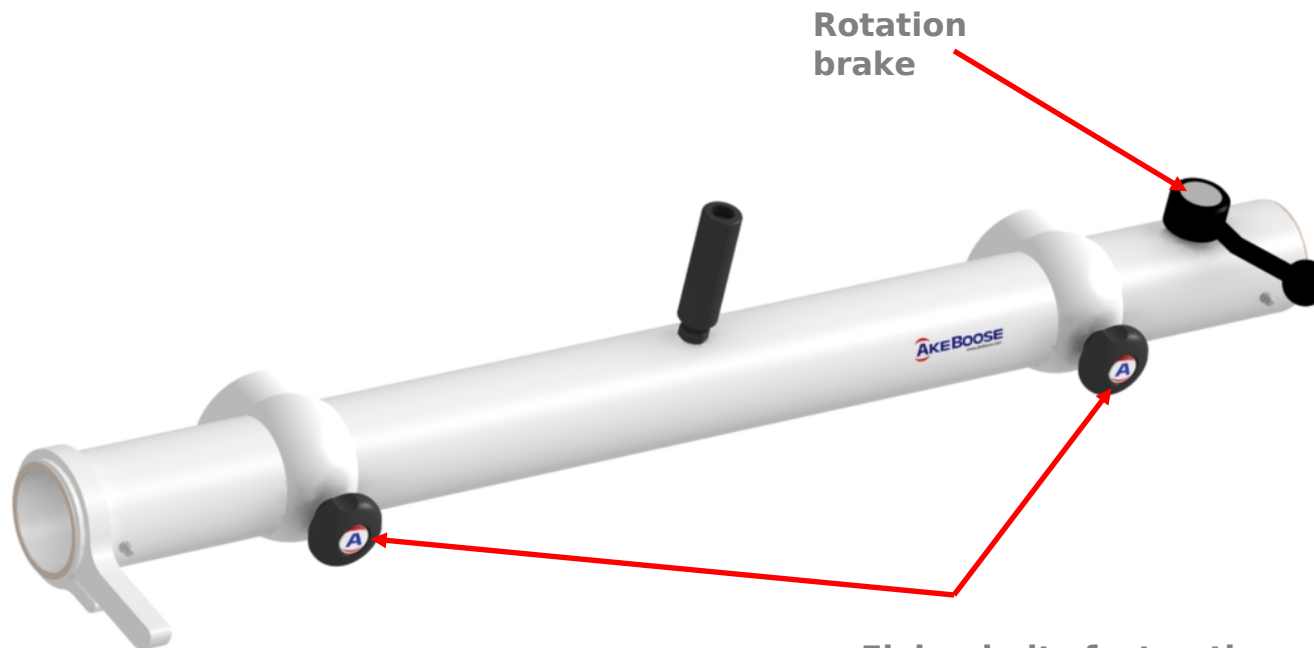
Ink flow

Ink outlet, return to ink tank.

Ink supply



Suspension pipe (Bazooka)



Rotation
brake

Fixing bolts fasten the
chamber to the
suspension pipe.

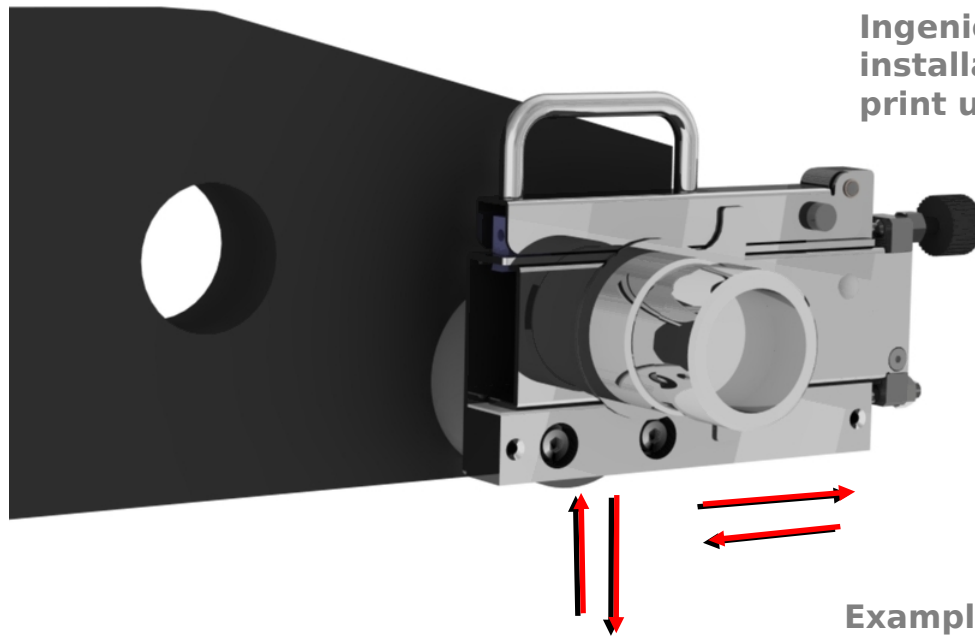
No tools required.

Main menu

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Fittings

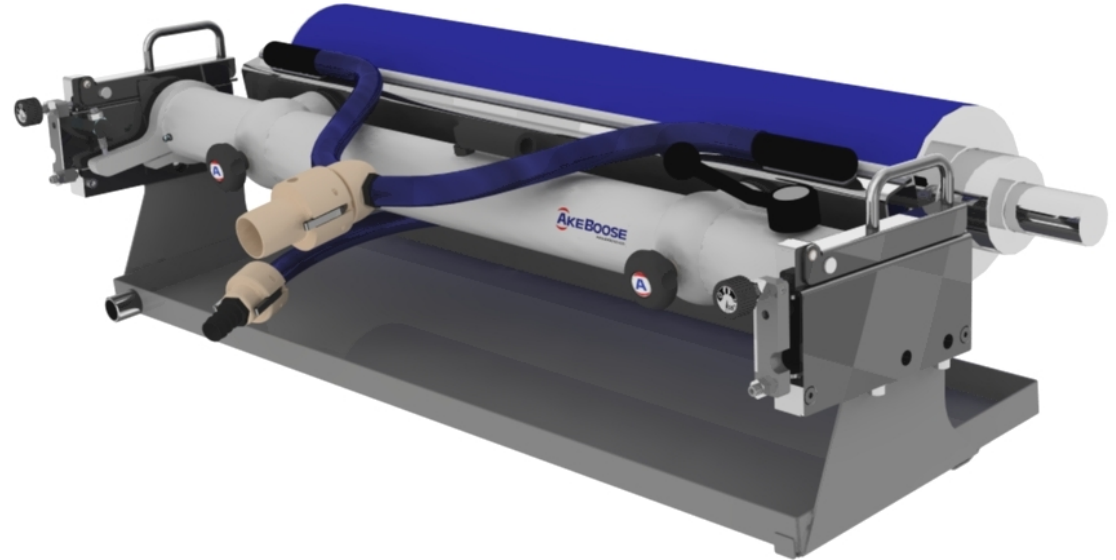


Ingenious fitting system allows installation into most flexo print units.

Example of side plate with adaptor plate for easy and accurate positioning.

System solution

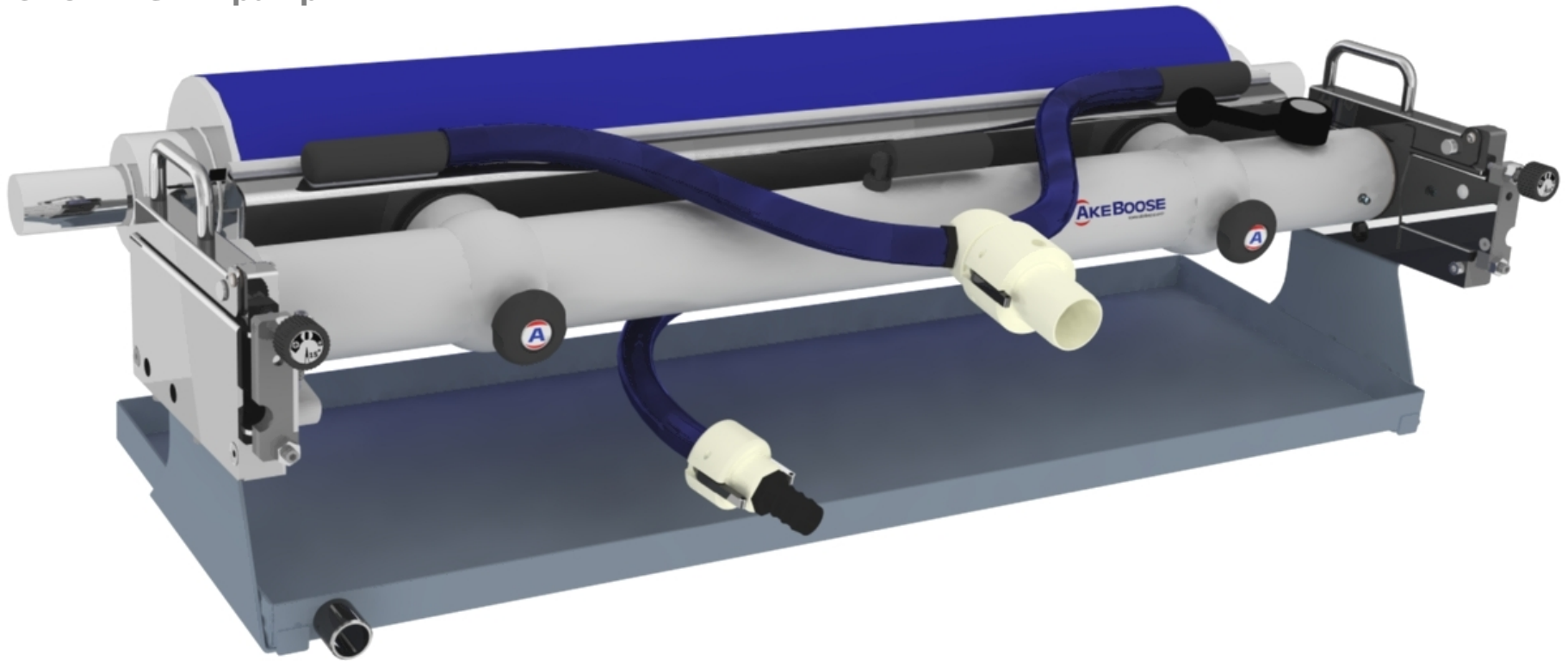
In all, the AkeBoose® NOVA Chamber System is a very flexible and mechanically rigid construction based on several unique and patented sub-systems, offering outstanding flexo inking quality and excellent cost performance.



Removing chamber for service and maintenance

Step 1:

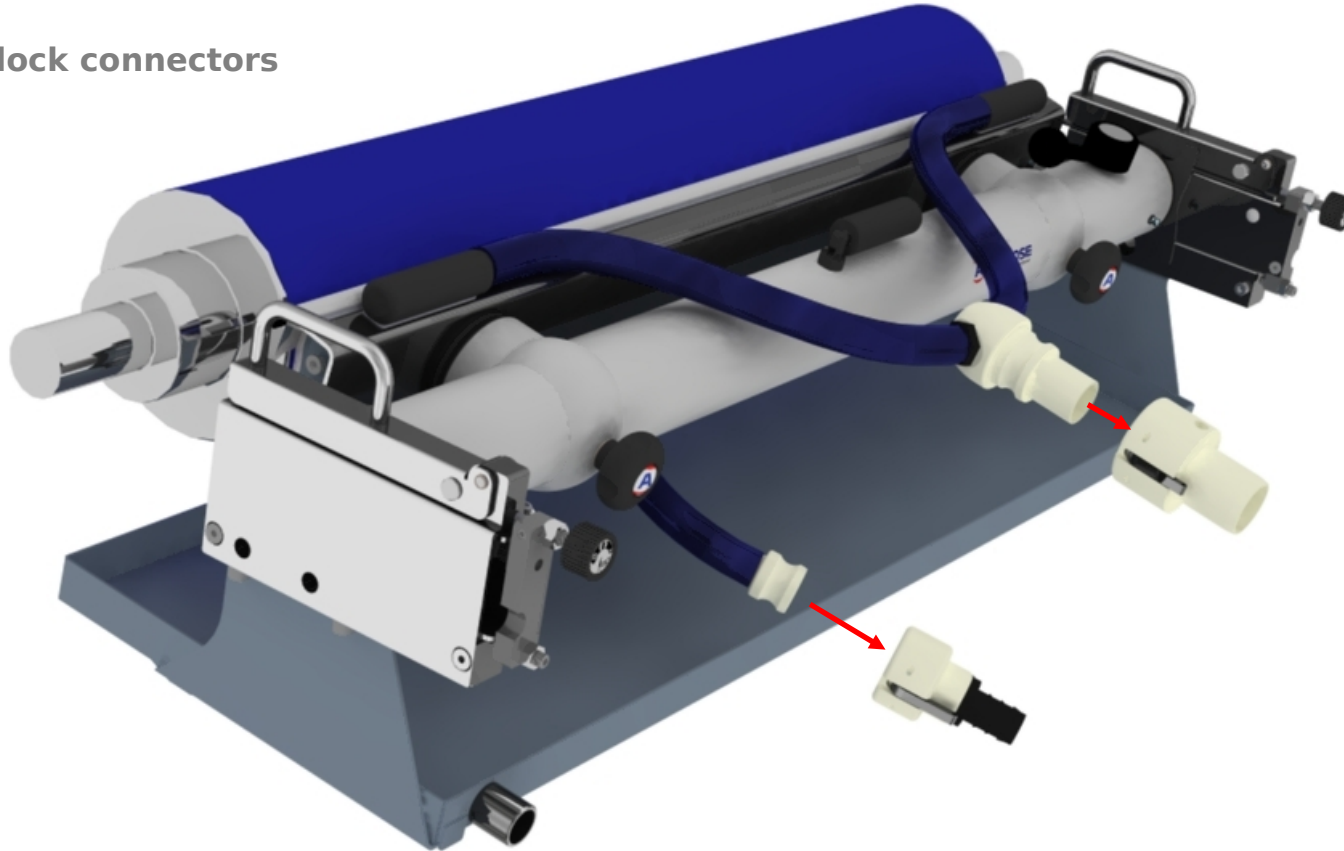
Switch off the ink pump.



Removing chamber for service and maintenance

Step 2:

Remove kamlock connectors

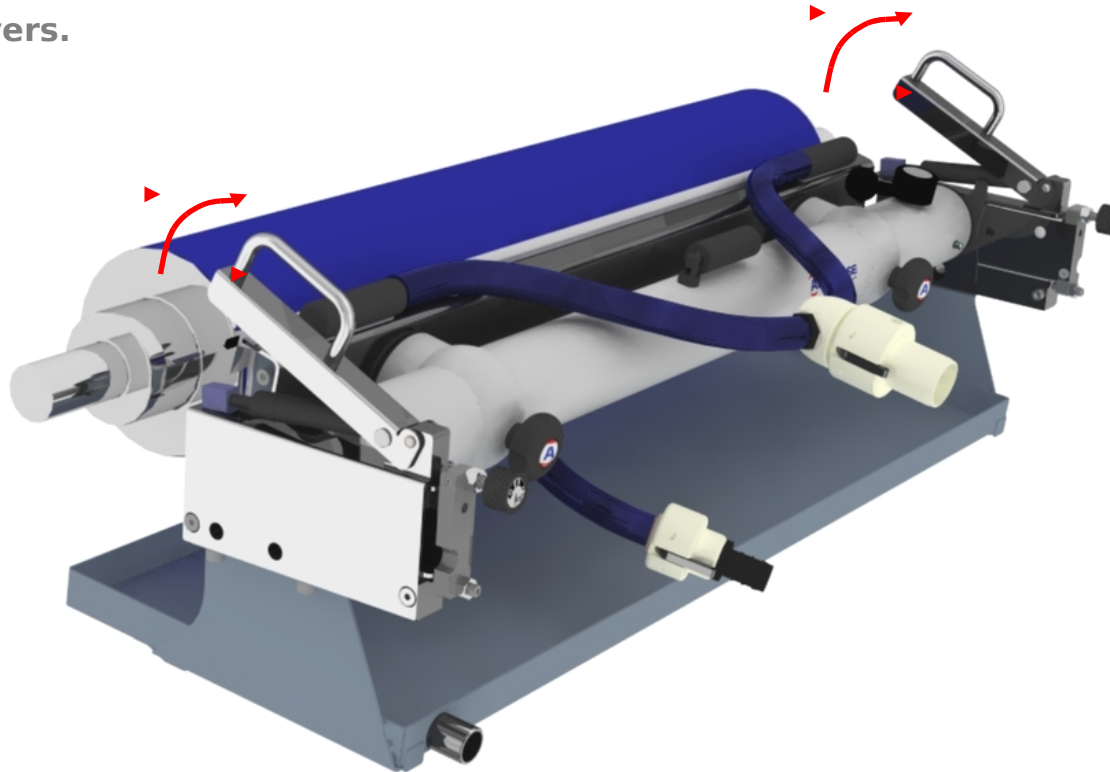


Removing chamber for service and maintenance

Step 3:

Open gas piston levers.

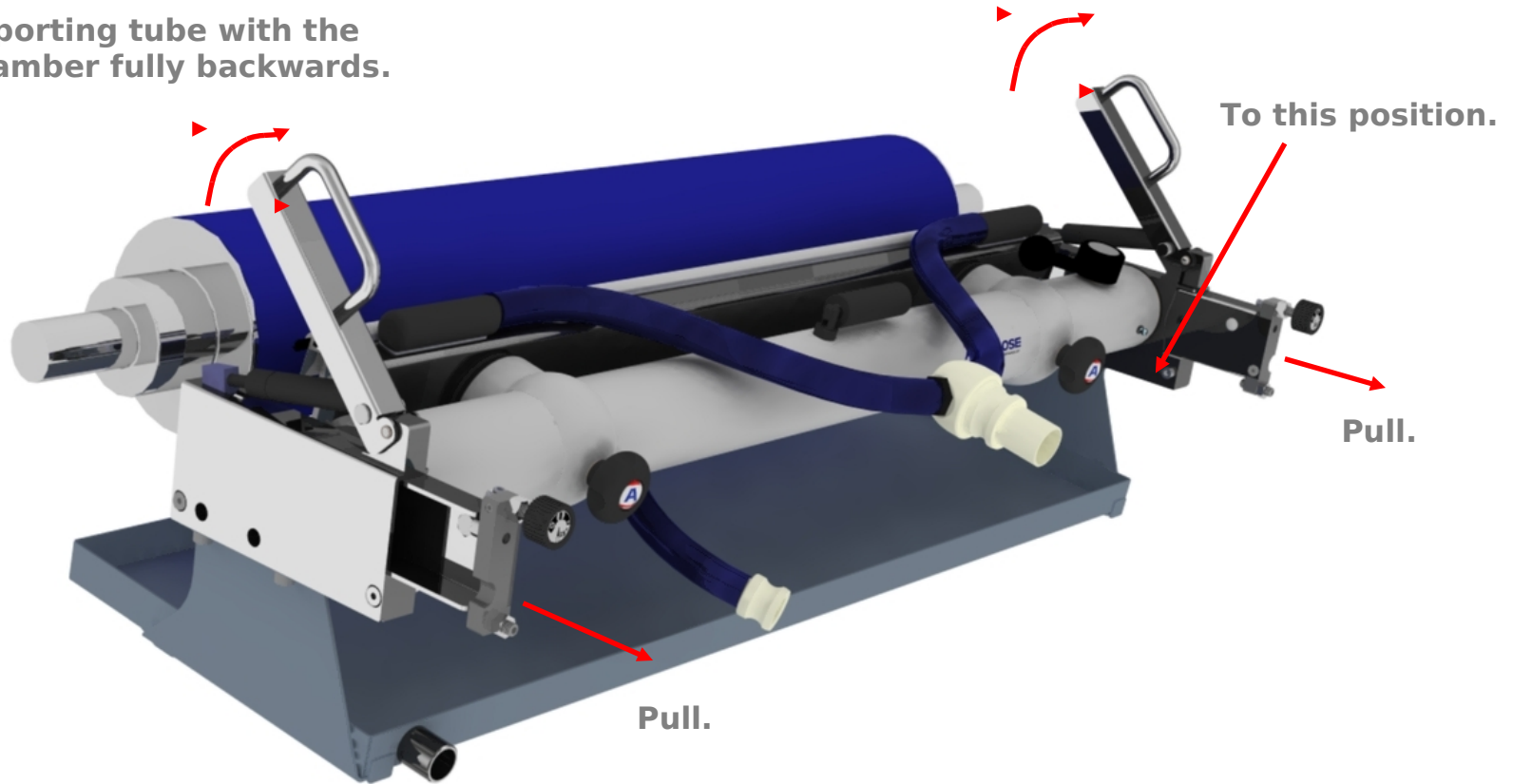
Open handles.



Removing chamber for service and maintenance

Step 4:

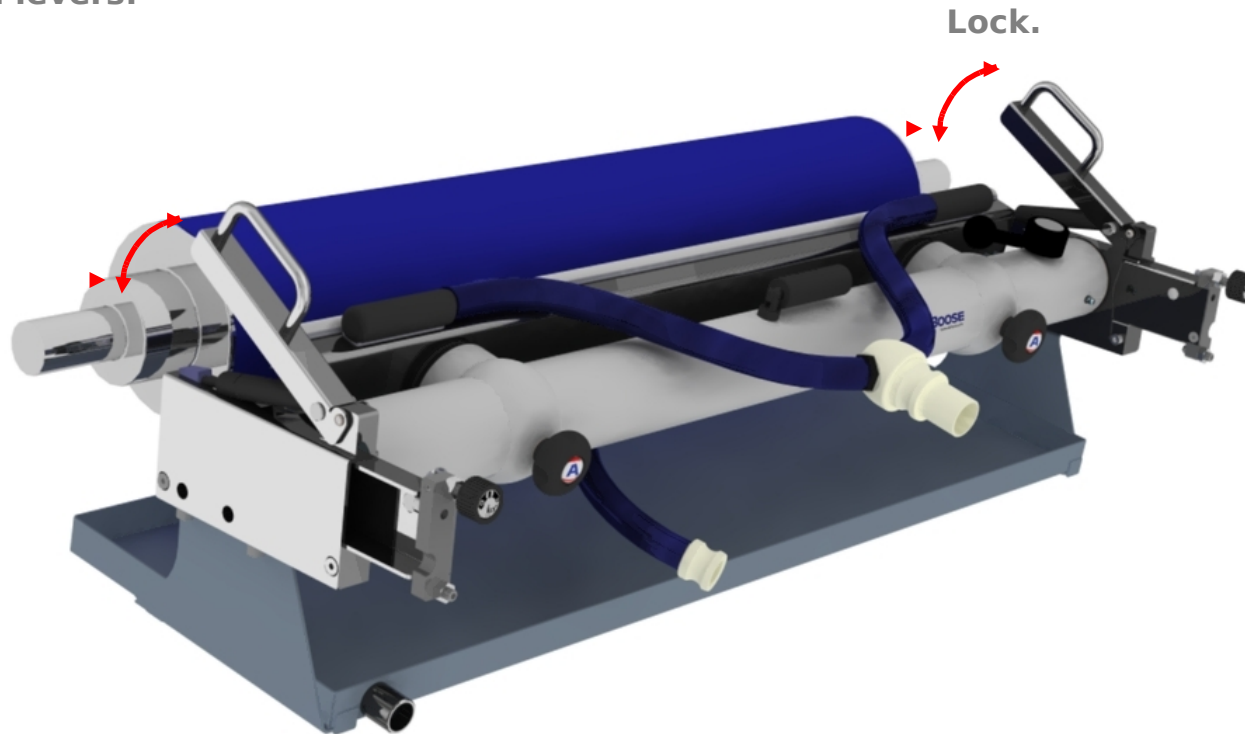
Pull the supporting tube with the attached chamber fully backwards.



Removing chamber for service and maintenance

Step 5:

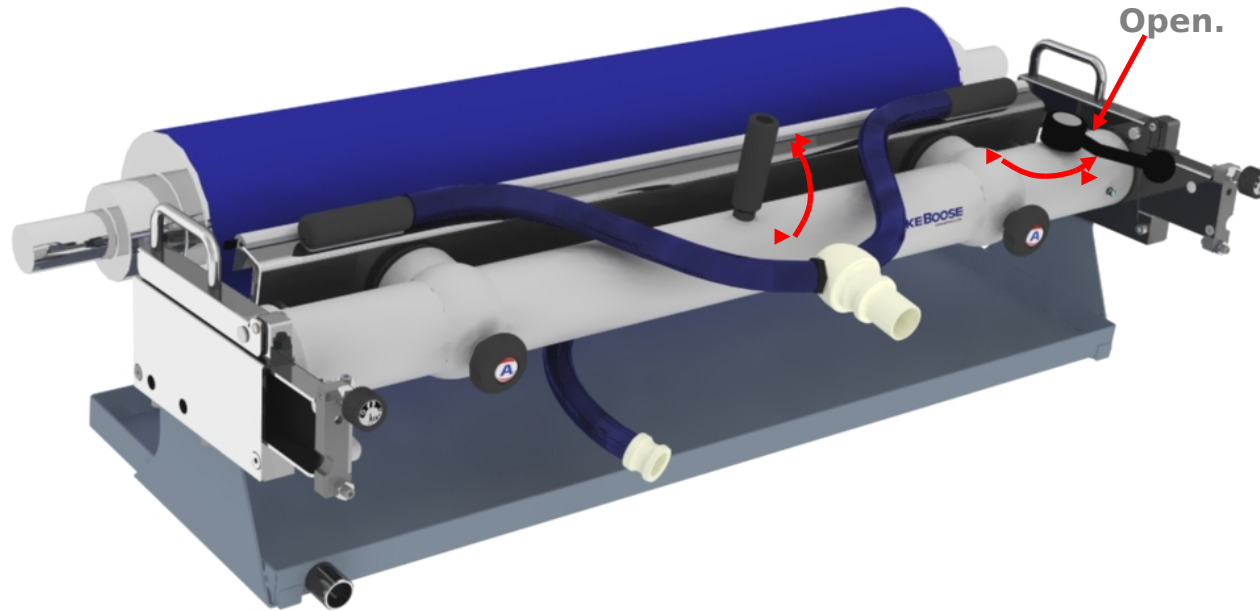
Close gas piston levers.



Removing chamber for service and maintenance

Step 6:

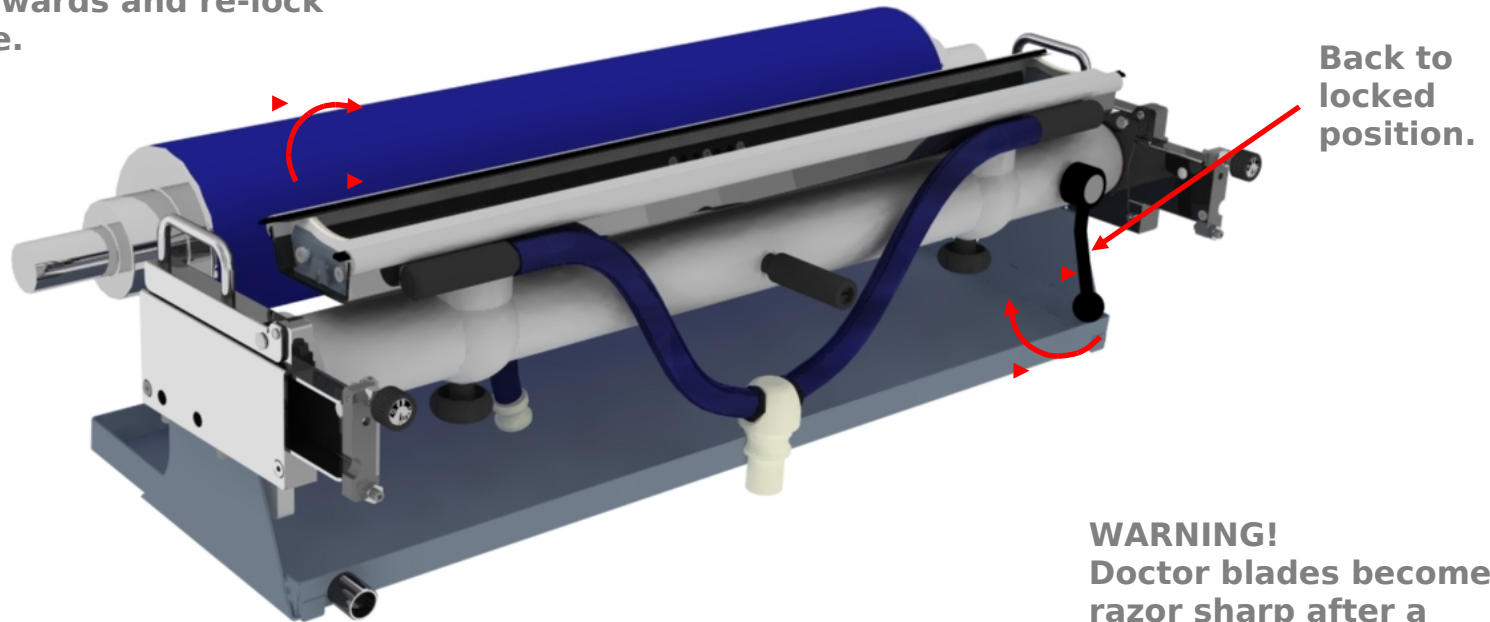
Open the rotation brake.



Removing chamber for service and maintenance

Step 7:

Turn the suspension pipe with the attached chamber until the chamber faces upwards and re-lock the rotation brake.

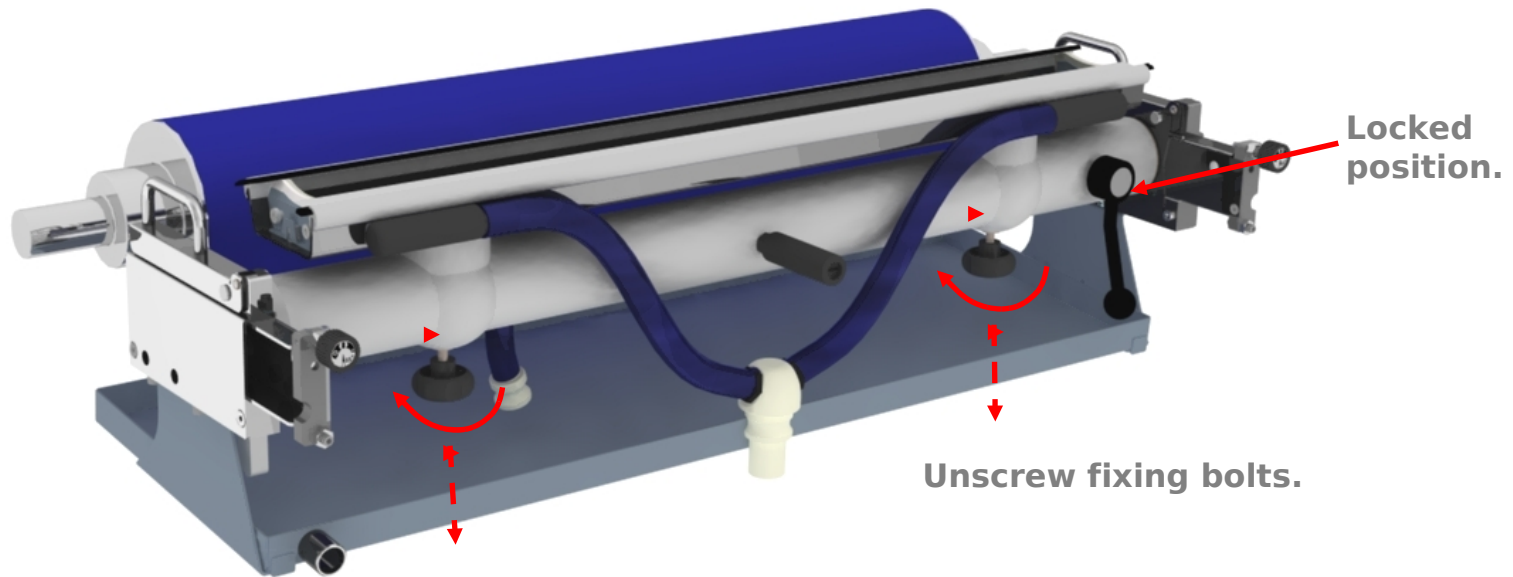


WARNING!
Doctor blades become razor sharp after a short period of operation.

Removing chamber for service and maintenance

Step 8:

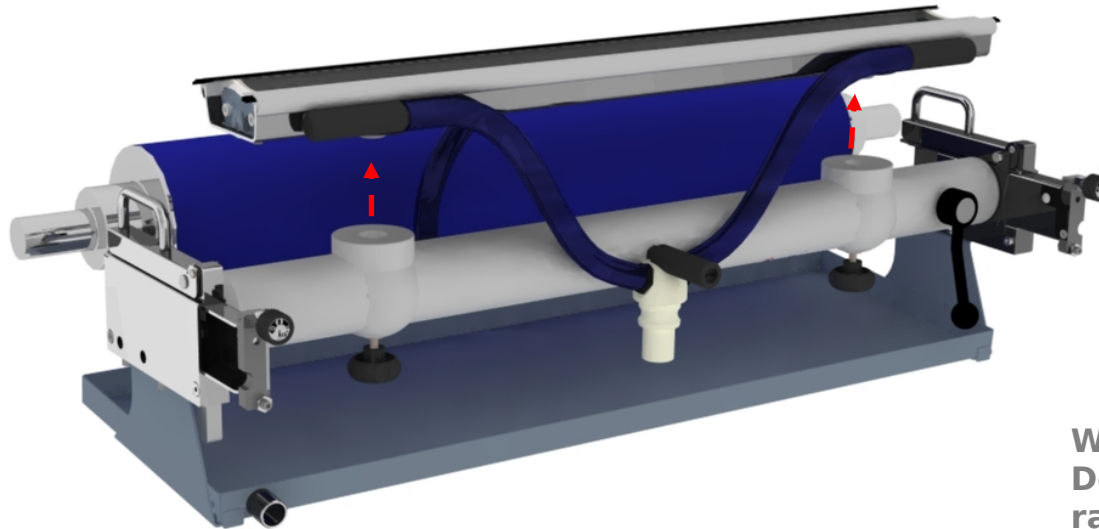
Disconnect the chamber from the suspension pipe by unscrewing the fixing bolts.



Removing chamber for service and maintenance

Step 9:

Lift the chamber off the suspension pipe.



WARNING!
Doctor blades become
razor sharp after a
short period of
operation.

Changing doctor blades

Step 1: Remove worn blades

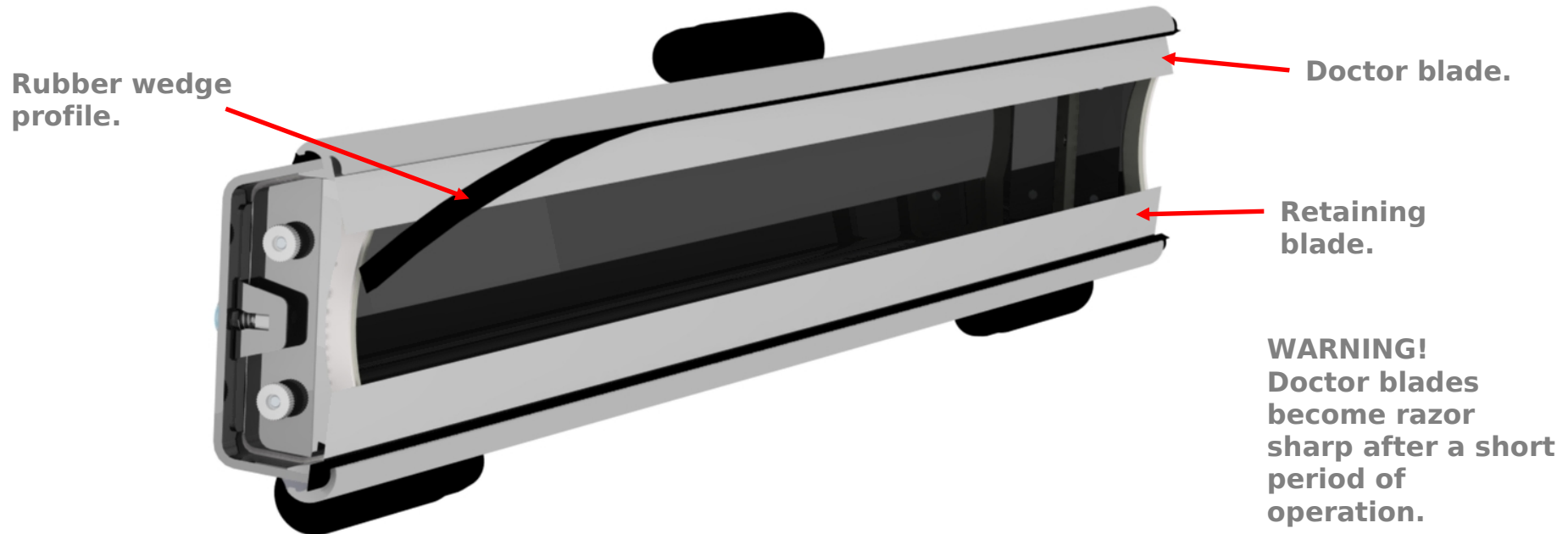
Pull out the rubber profile by hand and remove the Doctor blade.

Clean the blade slot.

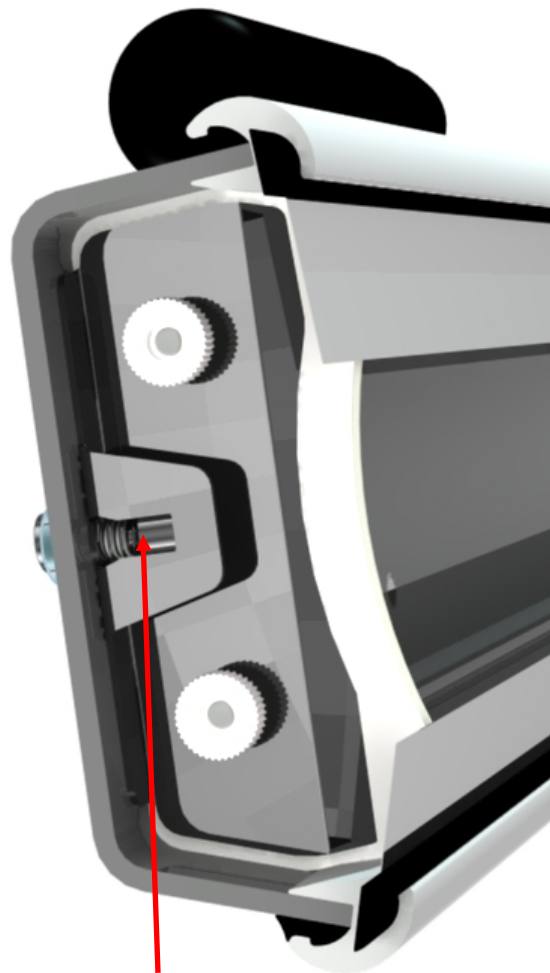
Step 2: Install new blades

Apply Vaseline on the blade and install the blade in the blade slot.

Apply Vaseline on the rubber profile and press the rubber in place.



Changing end-seals



Fixing
screw

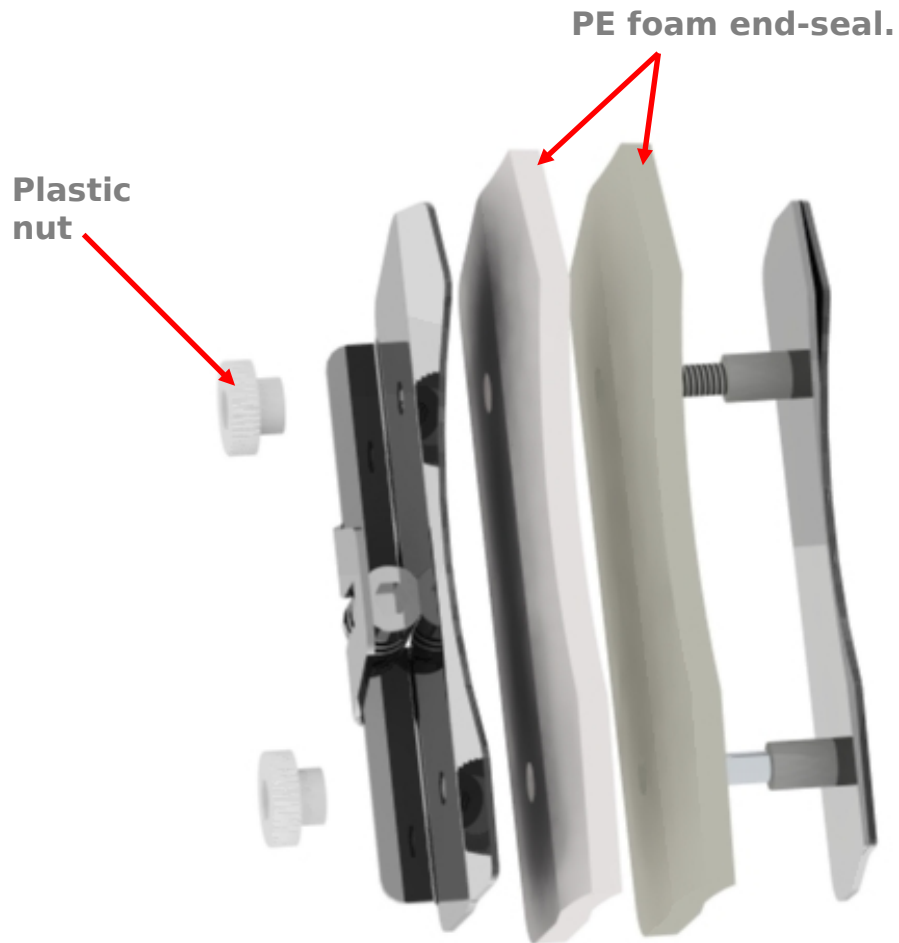


Unscrew the fixing screw.

Remove the End-Seal
holder.

WARNING!
Doctor blades become
razor sharp after a
short period of
operation.

Changing end-seals



Loosen the plastic nuts and pull out the worn end-seals.

Insert new foam end-seals and tighten the plastic nuts gently.

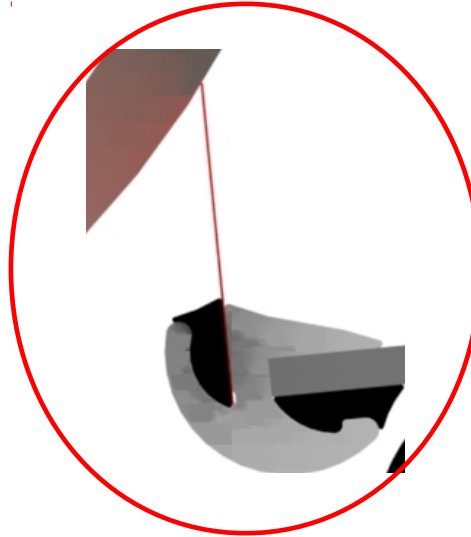
Apply AkeBoose End-seal grease around the seals

Place the End-Seal in the chamber, turn, tilt and slide it into position.

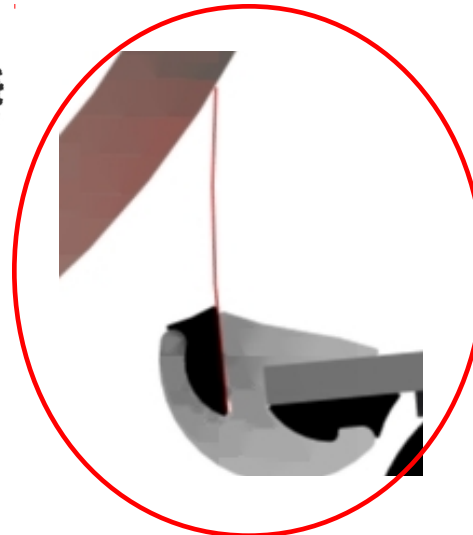
Settings of the chamber

Zero position = Starting position, new blades, new end-seals

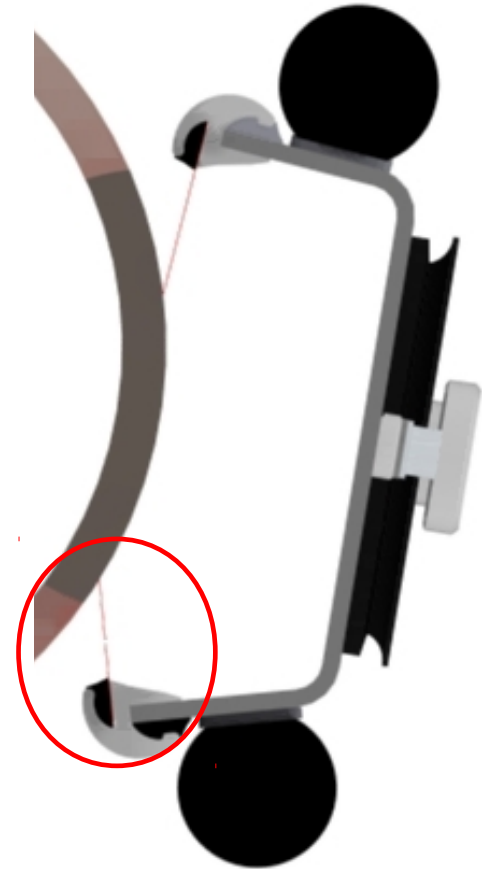
Zero position.



Every 6-8 hours, a small adjustment (approx. 15°) is required to compensate for blade wear.



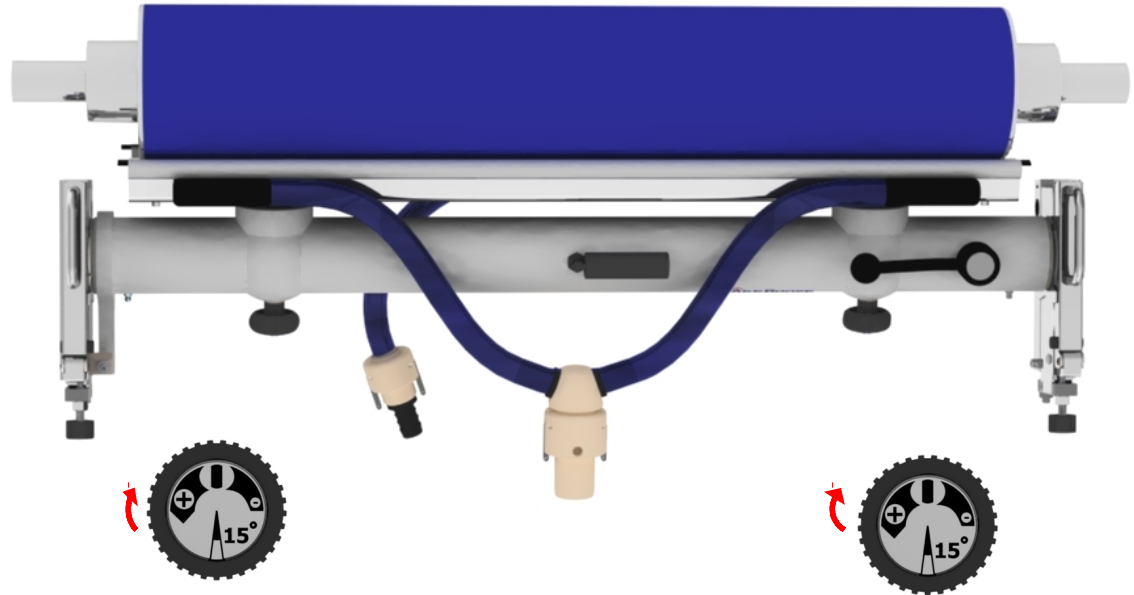
New working position.



Setting the chamber after replacing end-seals and doctor blades

Starting position:

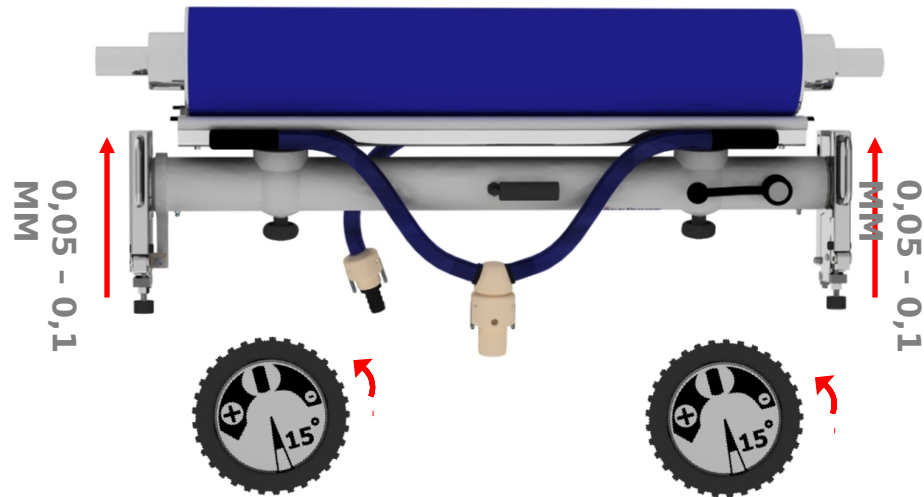
Turn the adjustment knobs fully clockwise before engaging the gas pistons.



Setting the chamber during operation

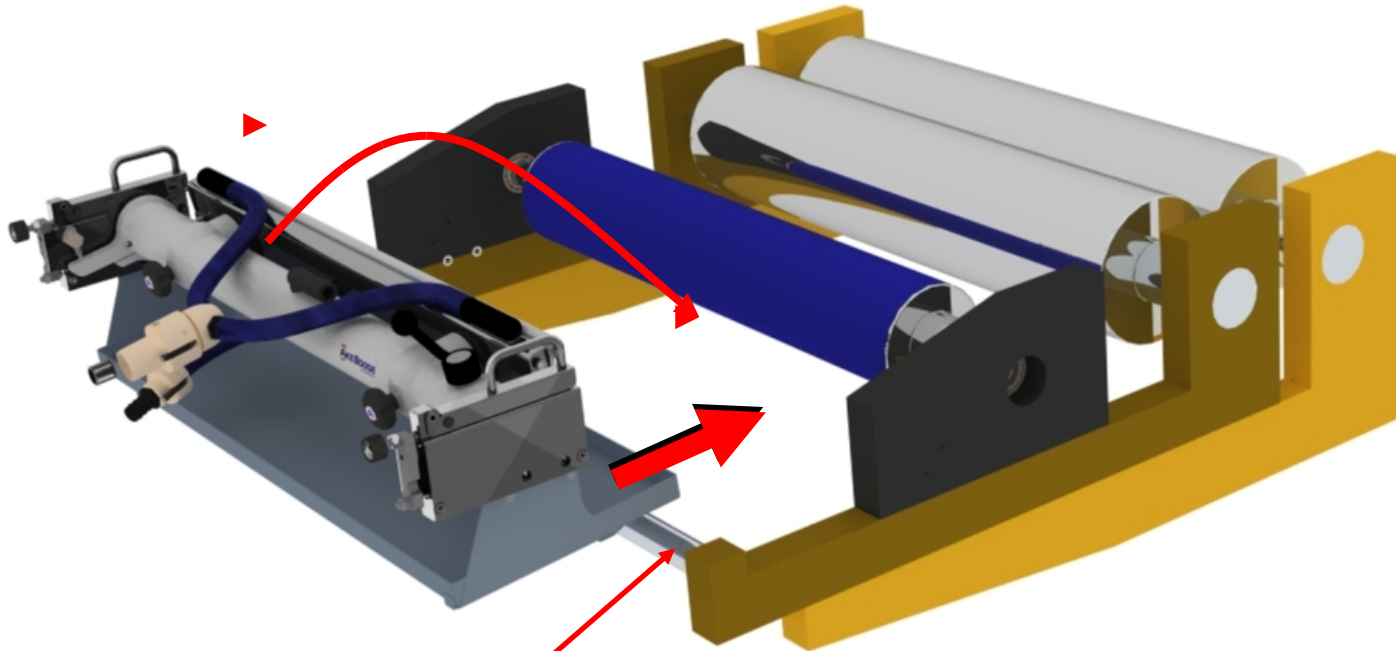
Blade wear compensation:

Turn the adjustment screws approximately 15° counter-clockwise, until the roller is wiped perfectly.



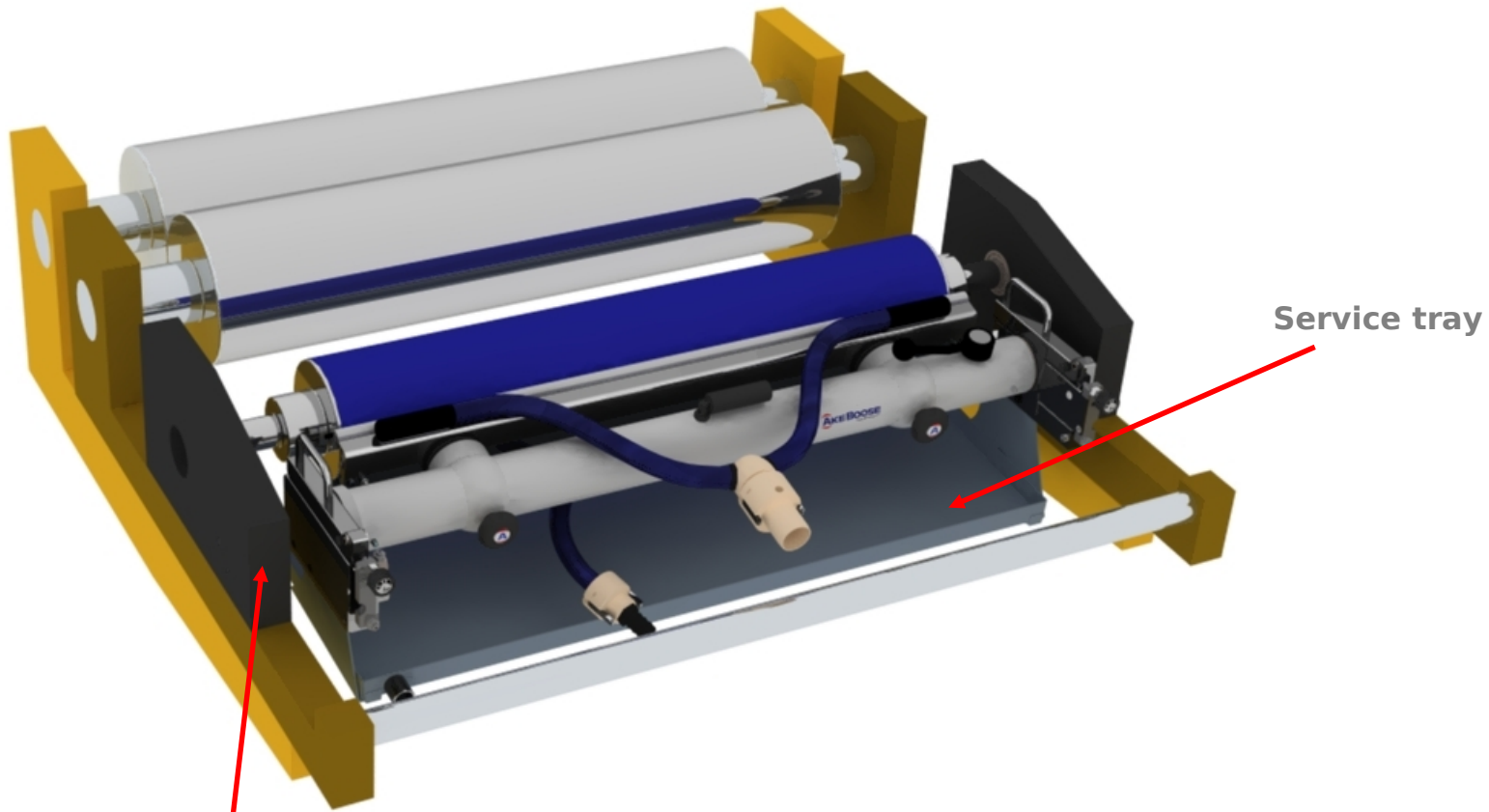
Retrofitting

The chamber system is easy to retrofit in almost any print unit.



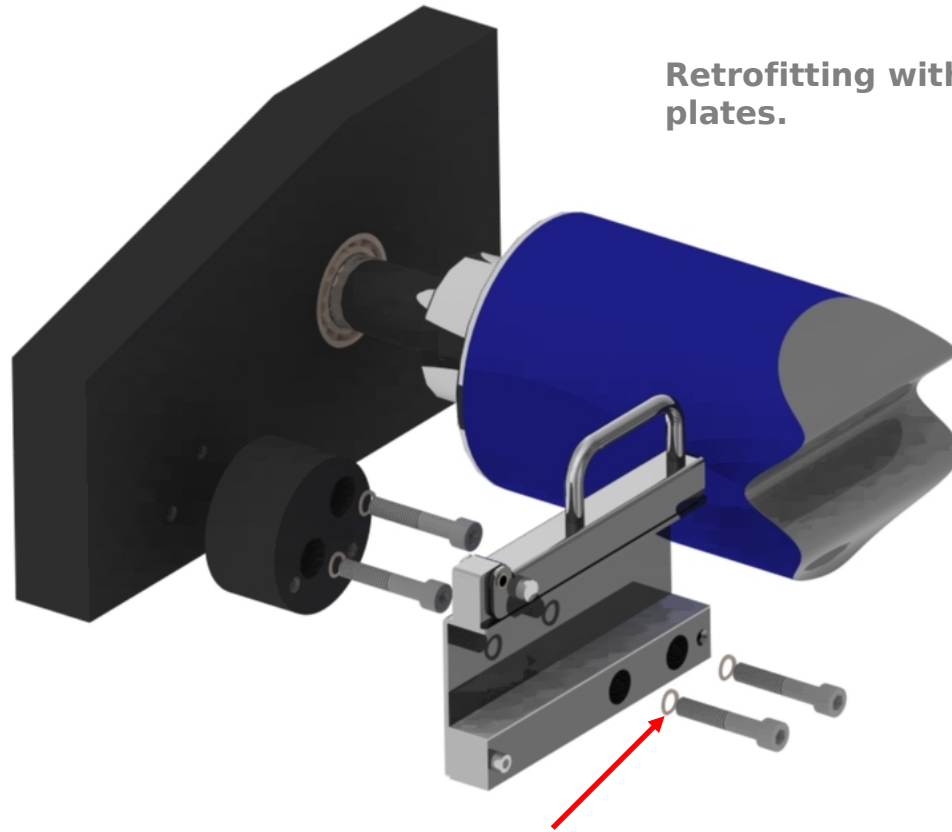
Check for cross shafts and protruding parts interfering with the chamber system.

Retrofitting



The side plates of the chamber system are fixed to the existing bearing blocks of the screen roller.

Retrofitting

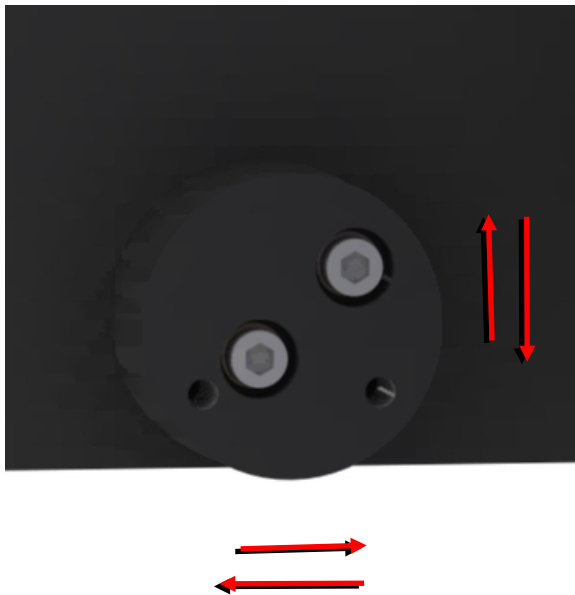


Retrofitting with adaptor plates and side plates.

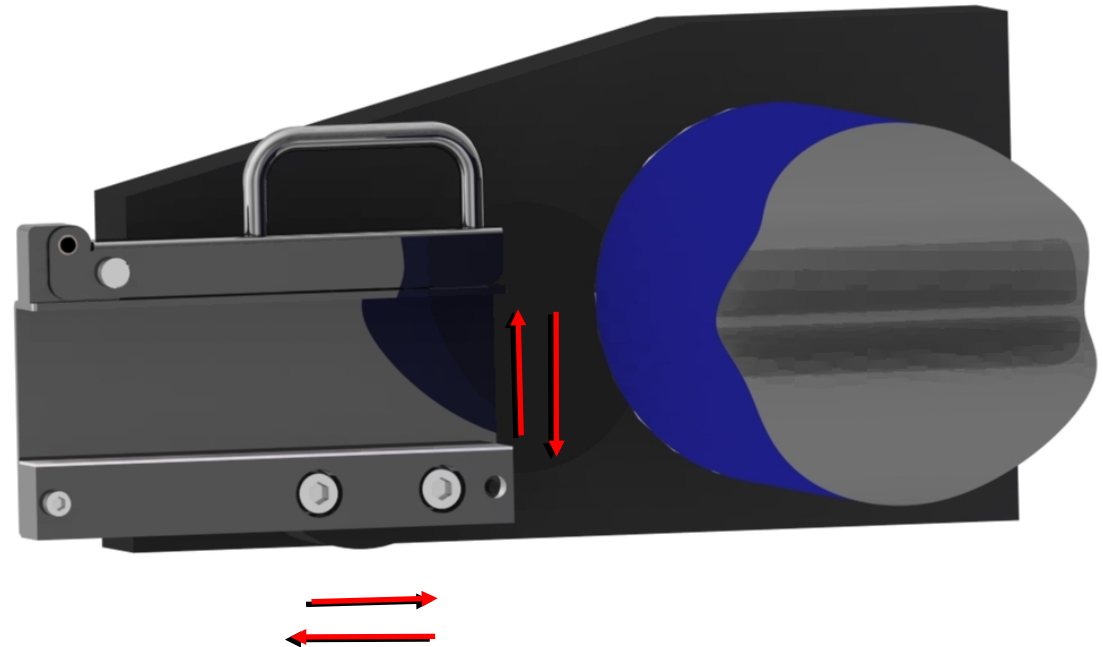
Adaptor plates and side plates are fixed with screws and spring washers.

Retrofitting

Positioning of adaptor plate through play in both horizontal and vertical directions.

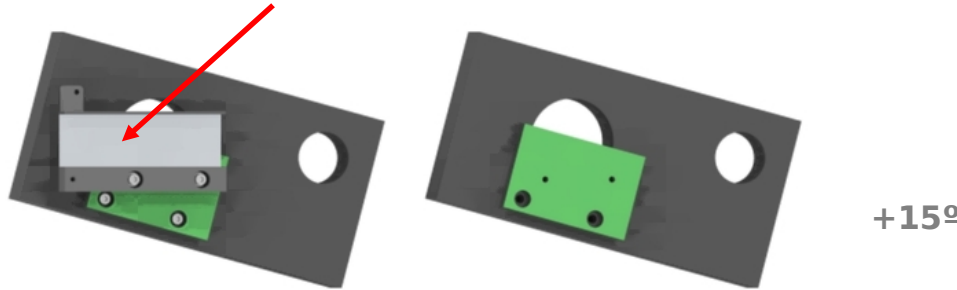


Accurate positioning of side plate through play in both horizontal and vertical directions.



Flexible fitting solution

Side plates are always mounted horizontally.

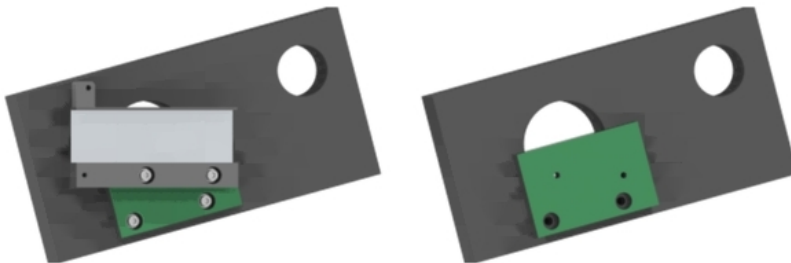


+15°



0°

Example of retrofitting with fixed adaptor plates at different angles.



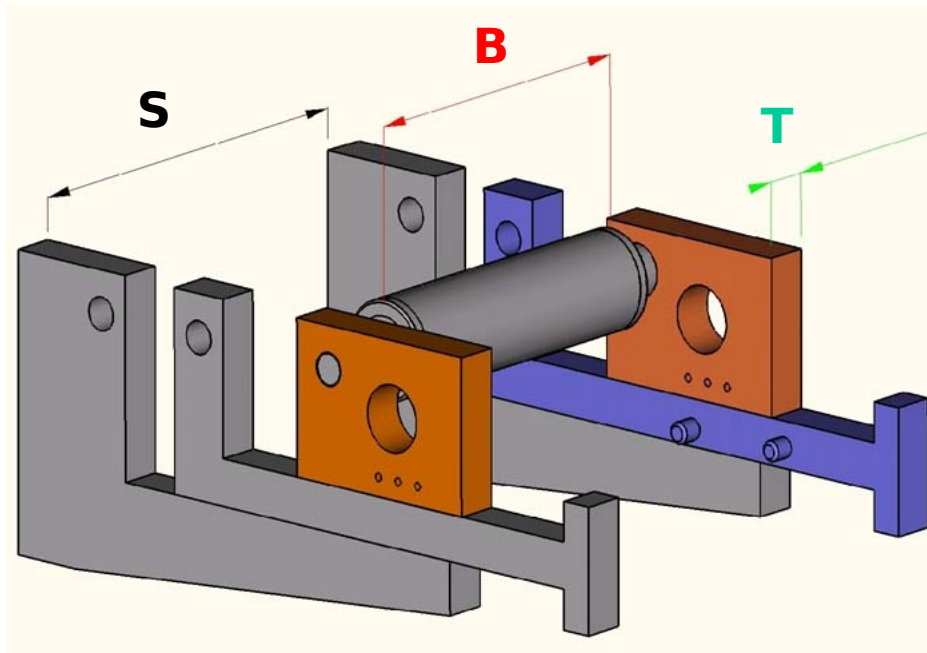
-15°

Main menu

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Key measurements, requesting a quotation



Vital measurements to request a quotation.

Please fill in our document available for download at our website.

If possible send photographs of the printing unit (side, cross-section and overall).

www.akeboose.com

AkeBoose® NOVA AS Chamber System takes flexo inking to perfection

Thank you for your interest in our products.
Please contact us for further information.



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Main menu

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