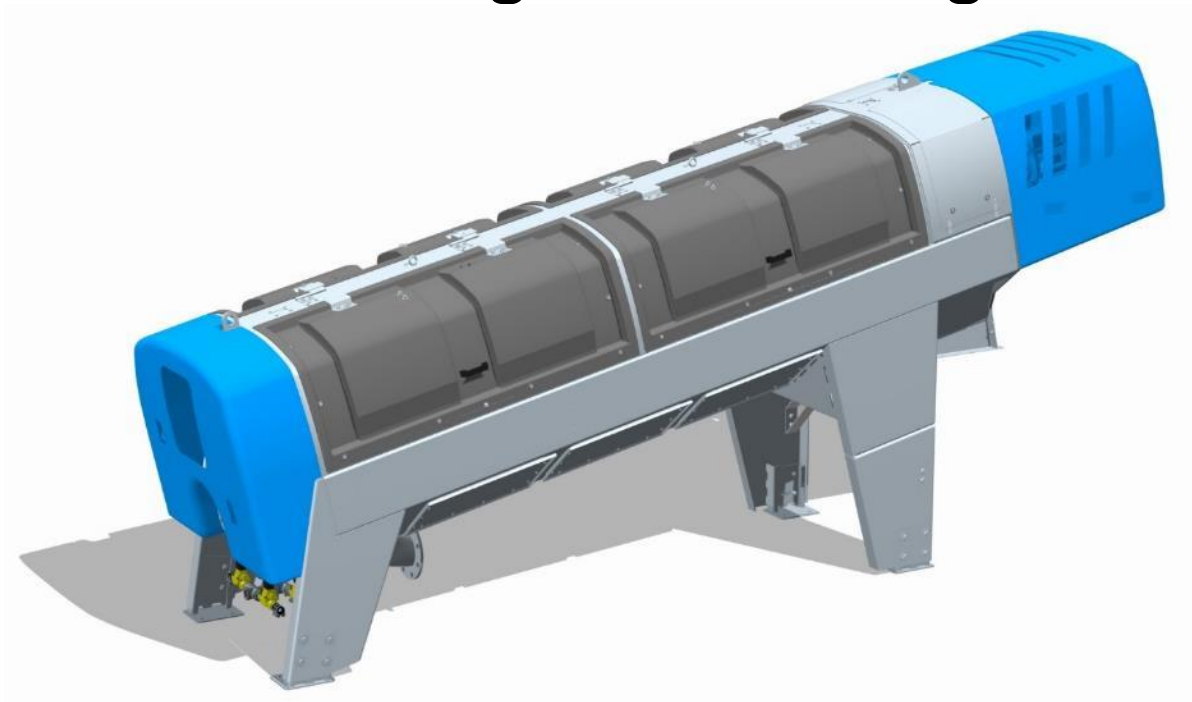
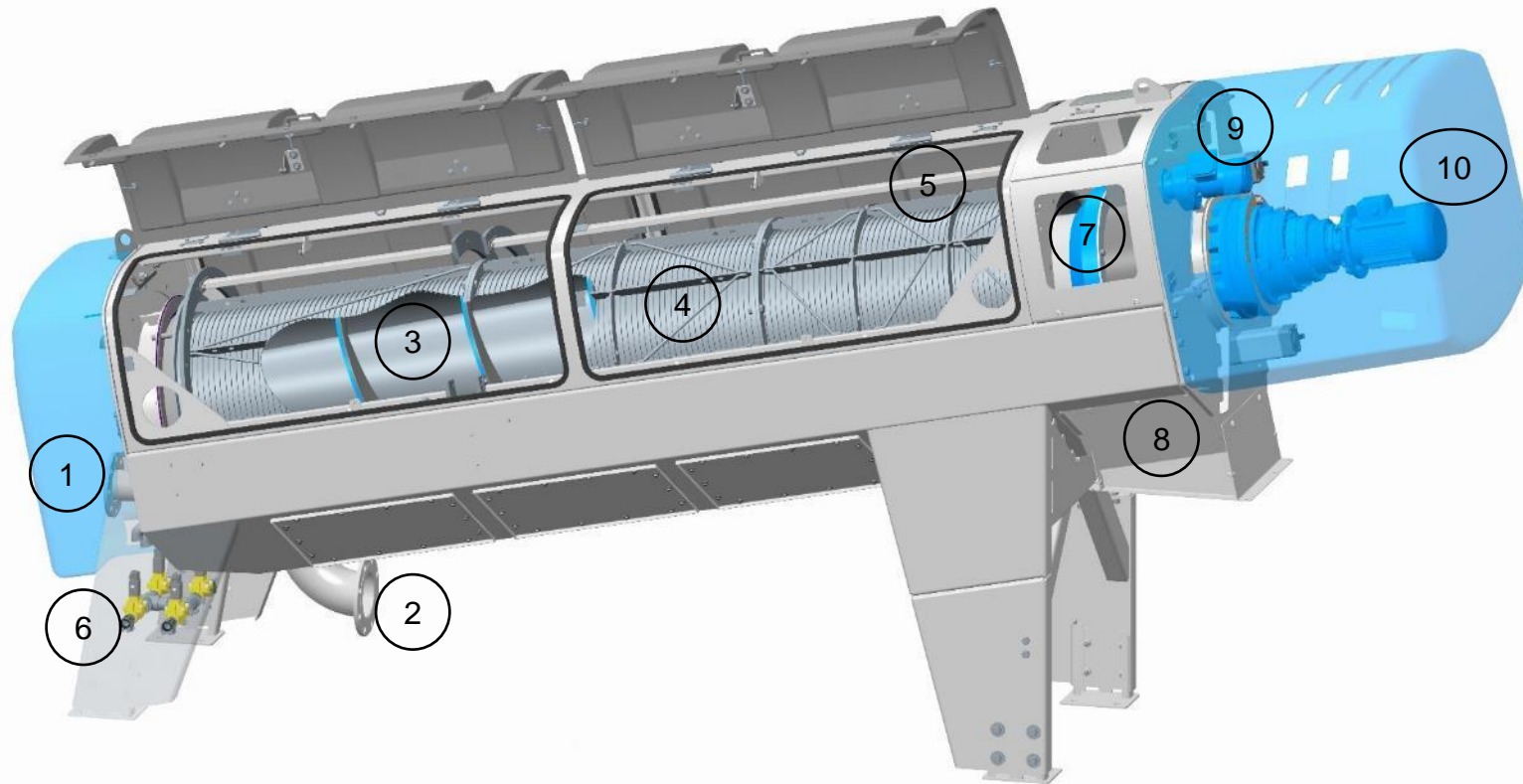


Screw Press Q-PRESS® for sludge dewatering





1 sludge feed

2 filtrate discharge

3 auger

4 filter basket; split version as option

5 spray basket for independent washing of feed and press zone

6 wash water connection

7 pneumatic pressure cone

8 sludge cake discharge

9 spray drive

10 auger drive

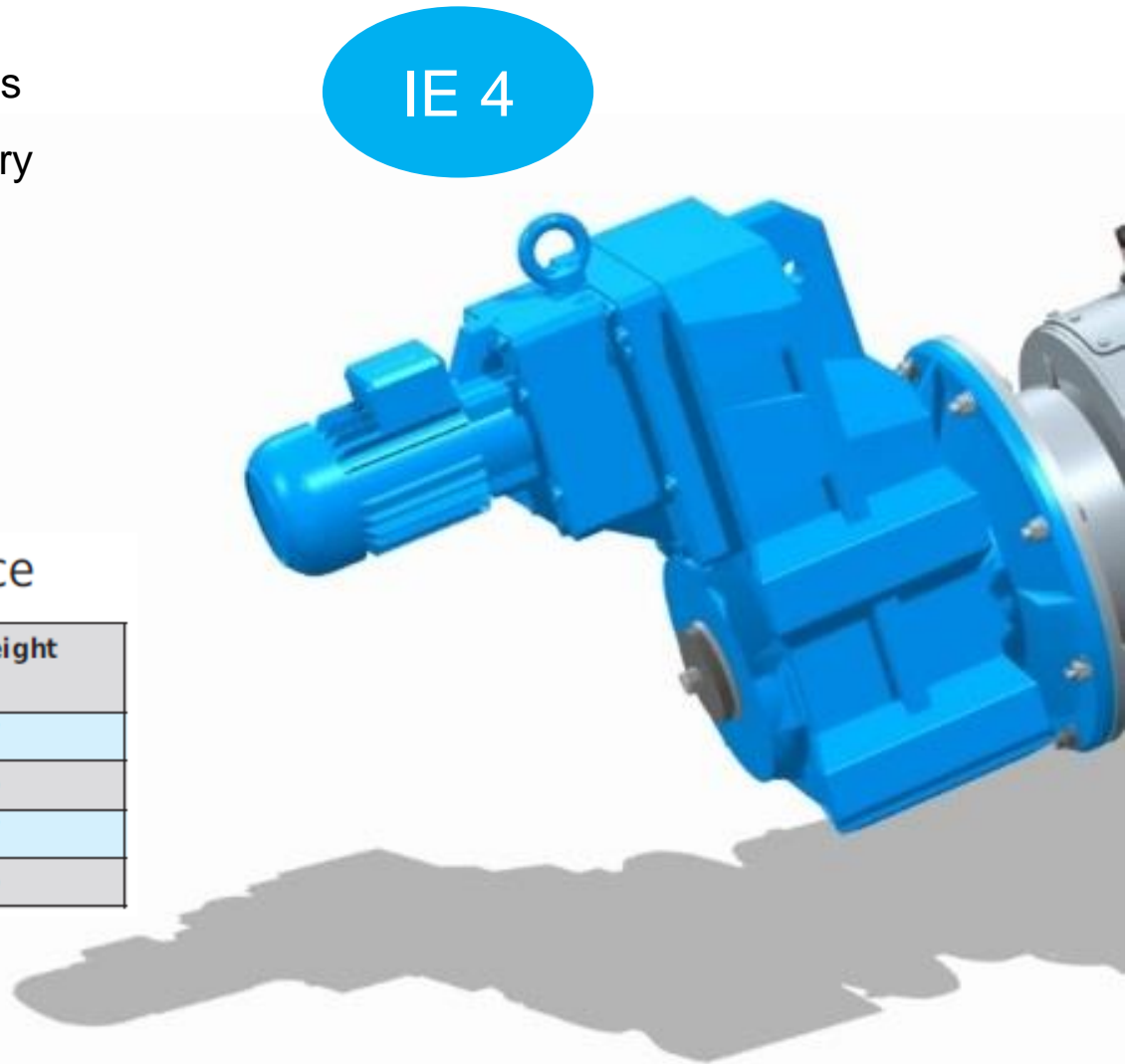
Auger drive exceeds latest energy efficiency standards

- up to 10% energy cost savings
- maximum motor power delivery
- wider throughput rates

IE 4

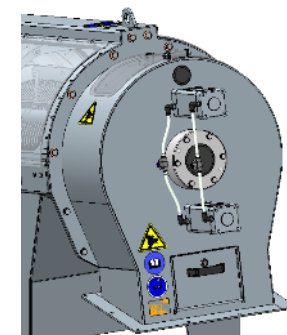
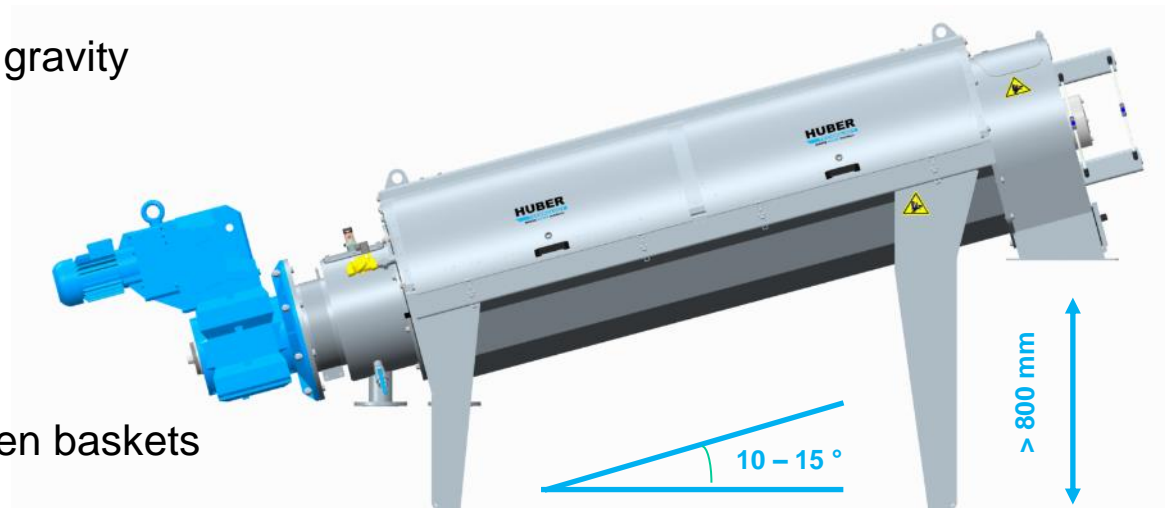
➤ Unit sizes / performance

Size	Throughput [kg _{TR} /h]	Drive [kW]	Weight [t]
280	15 - 90	0.37	0.7
440.2	30 - 180	1.5	1.5
620.2	60 - 350	2.3	2.7
800.2	90 - 540	4.1	3.5



Inclination

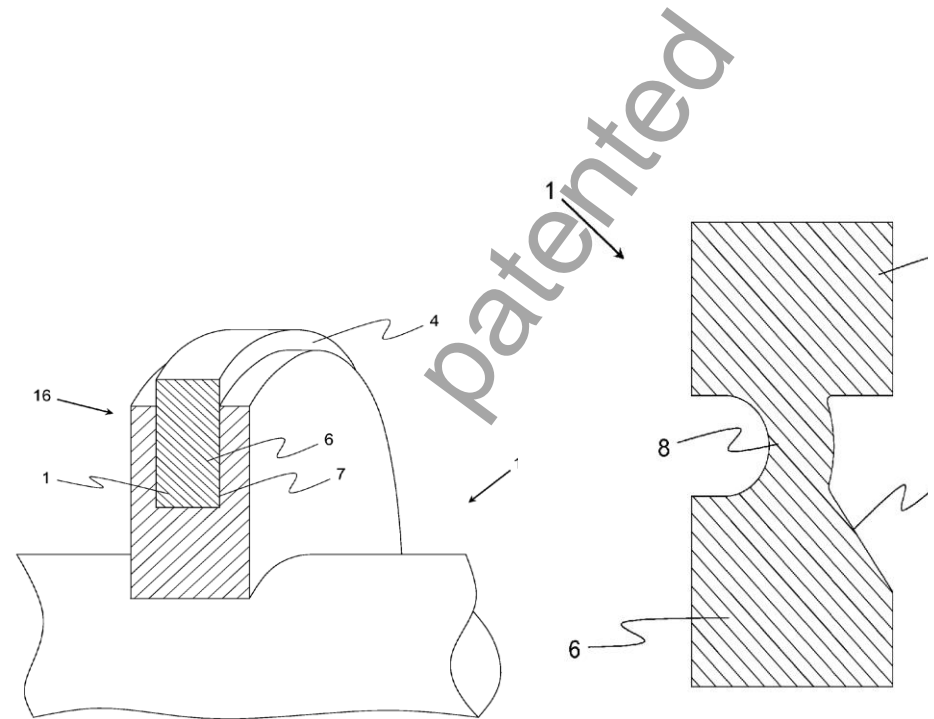
- filtrate discharge enhanced by gravity
- reduced sludge rewetting
- improved dewatering results
- faster filtrate run-off
- reduced contamination of screen baskets and filtrate collection chamber
- simple connection of the solids removal screw without the need to elevate the machine or mount platforms



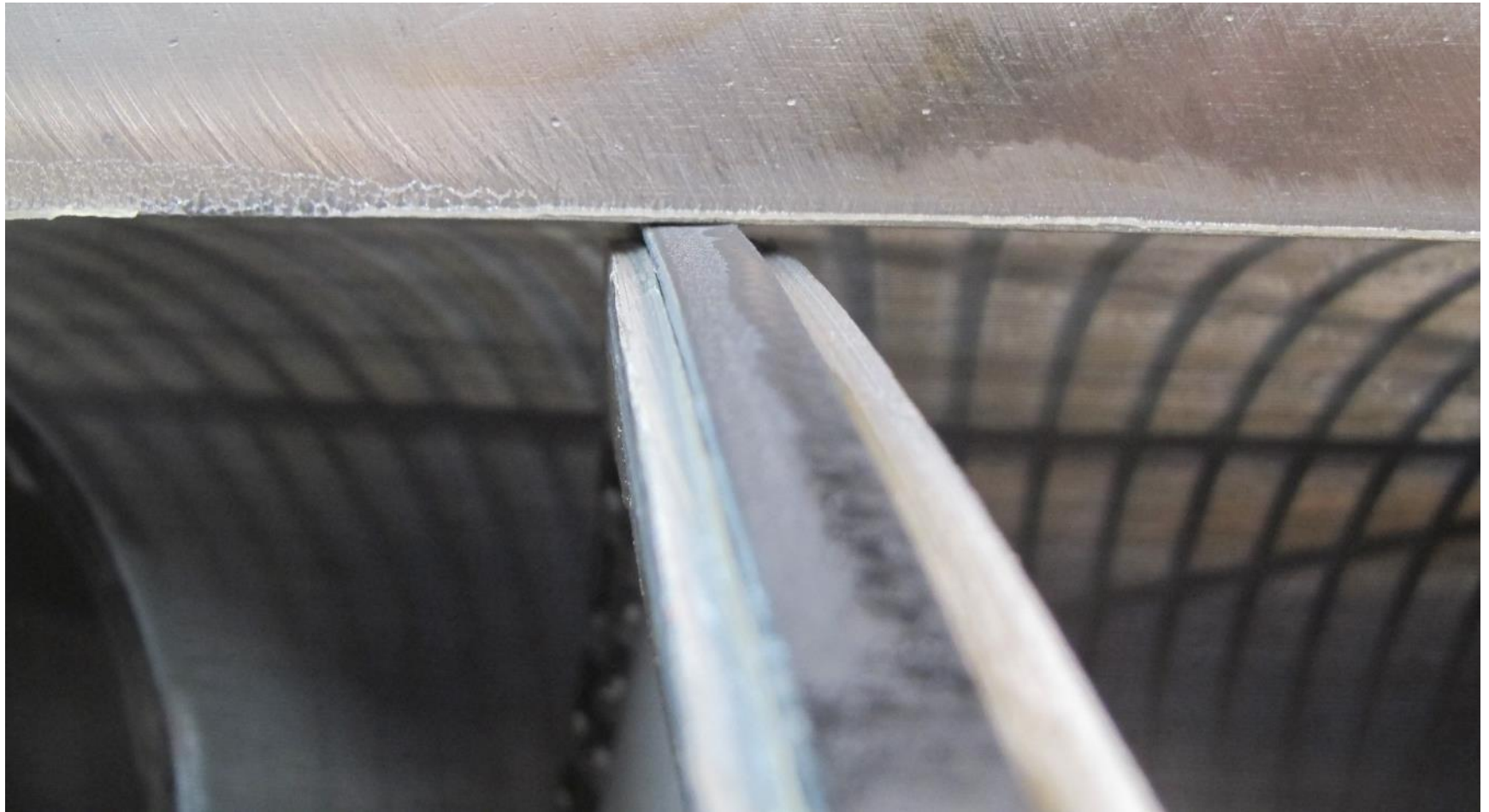
Filter inside cleaning

Wiper with integrated damping and self-adjusting mechanism

- installed vertical to the filter inside for ideal cleaning efficiency and high press powers
- long-lasting function due to a massive cleaning head and an integrated self-adjusting spring mechanism
- easy-to-mount product sold by the meter

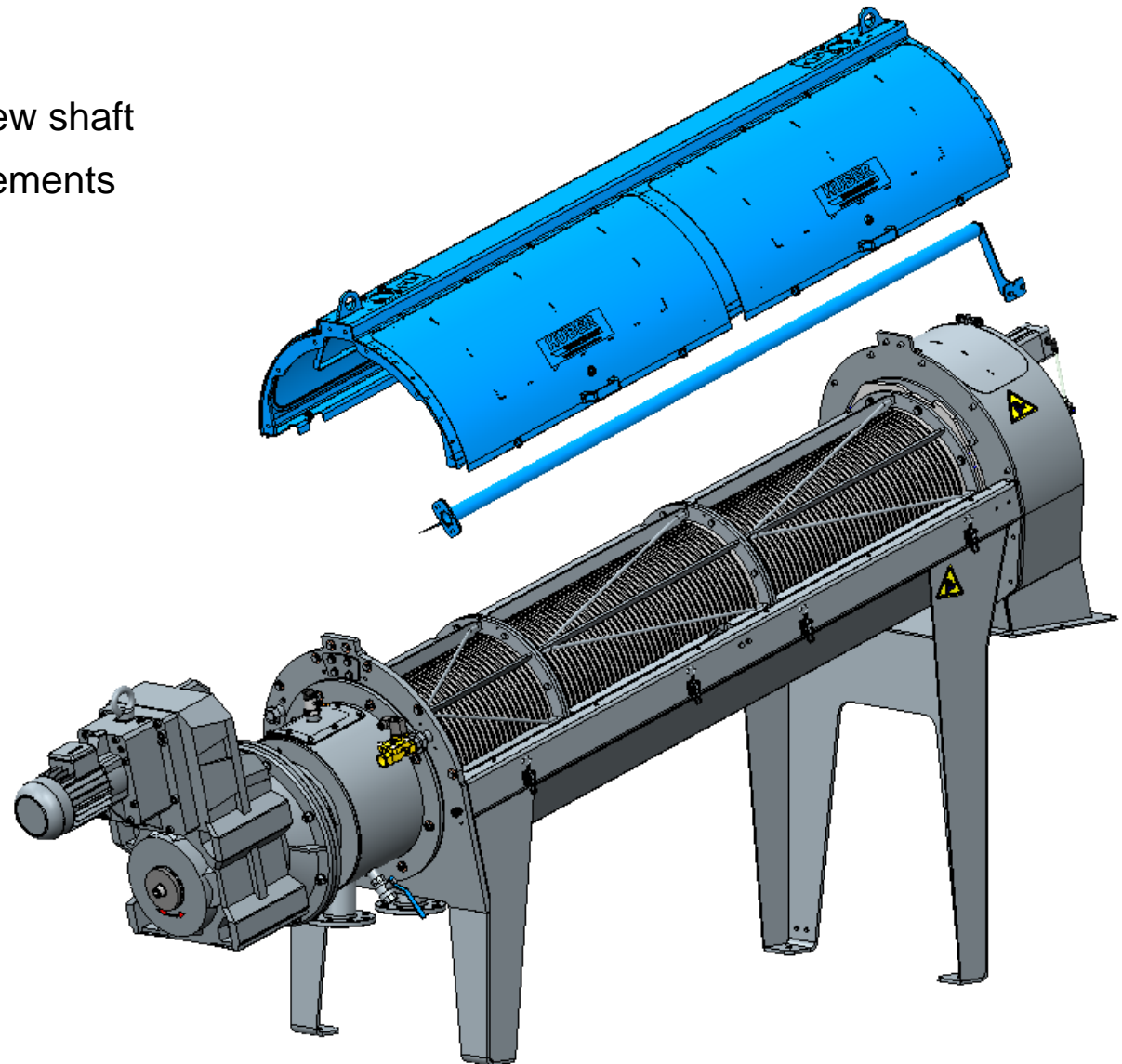


Filter inside cleaning



Split housing

- allows to dismount the screw shaft with reduced space requirements

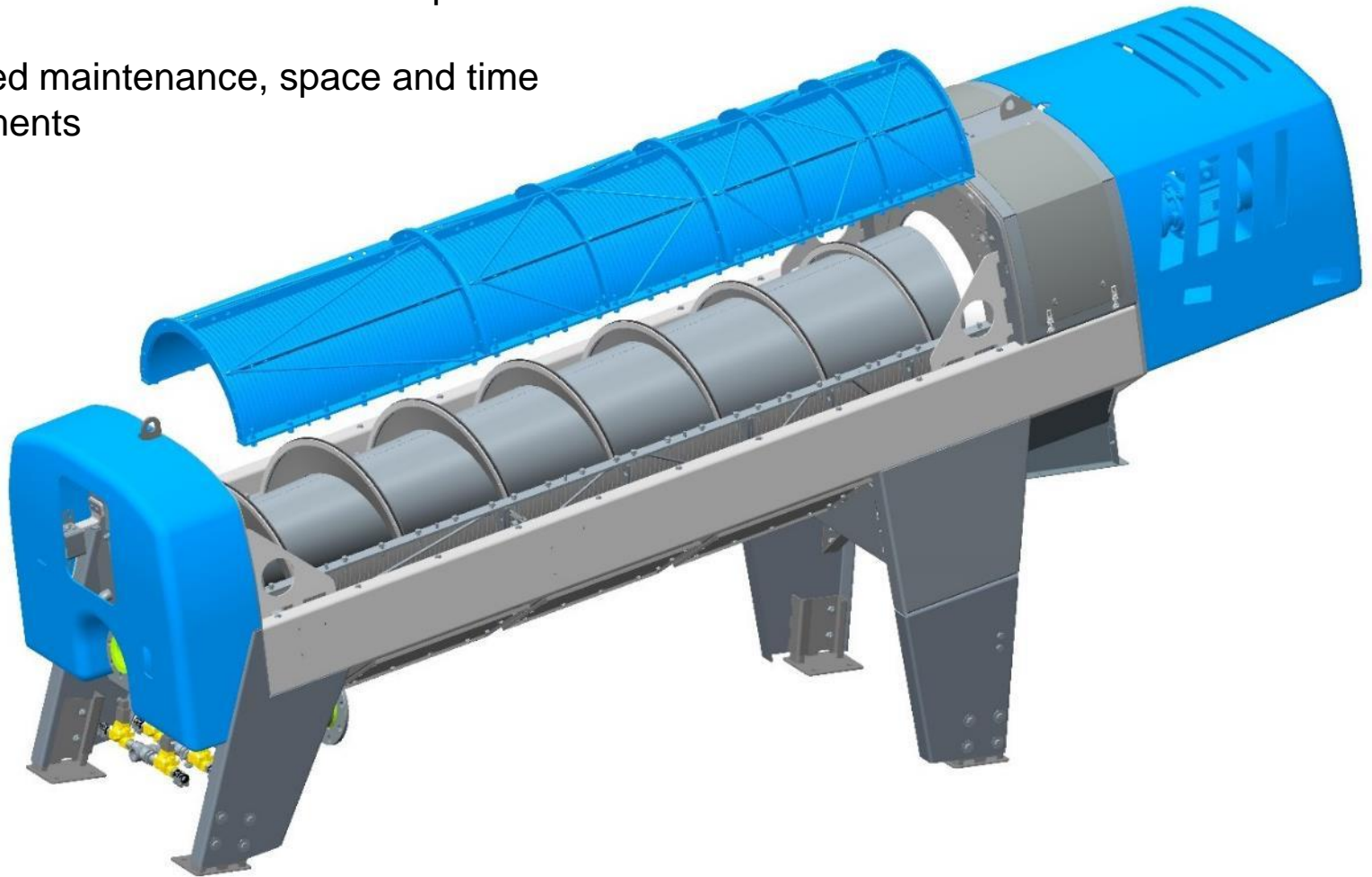


Split housing

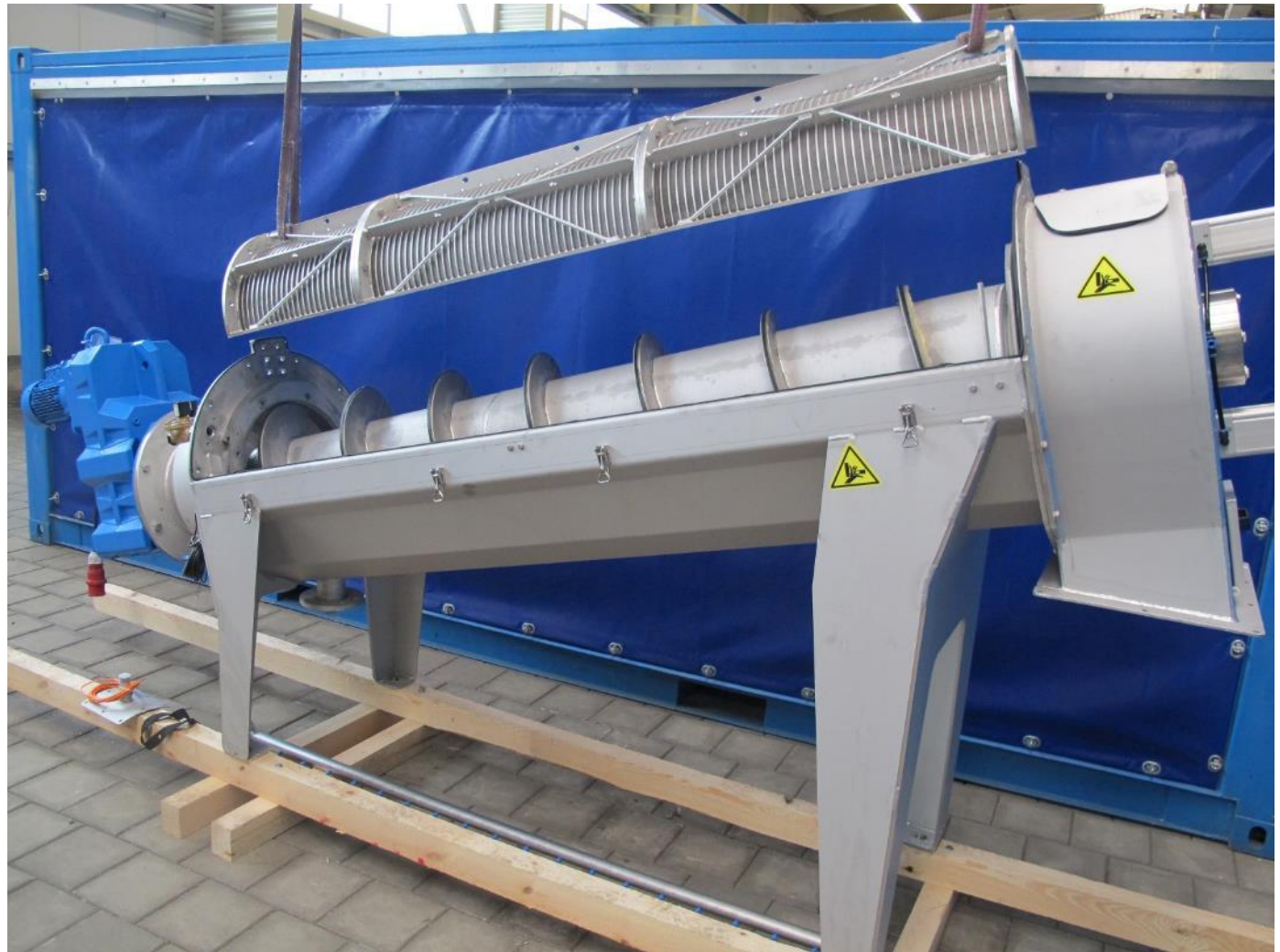


Split filter baskets (option)

- allows maintenance with screw in place
- minimized maintenance, space and time requirements



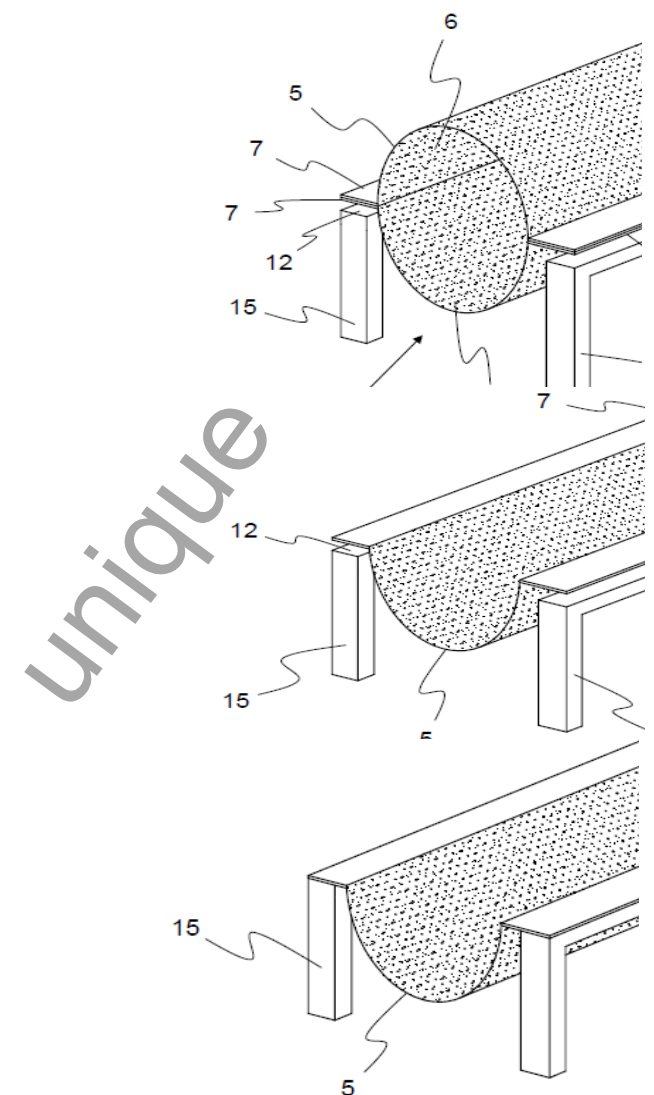
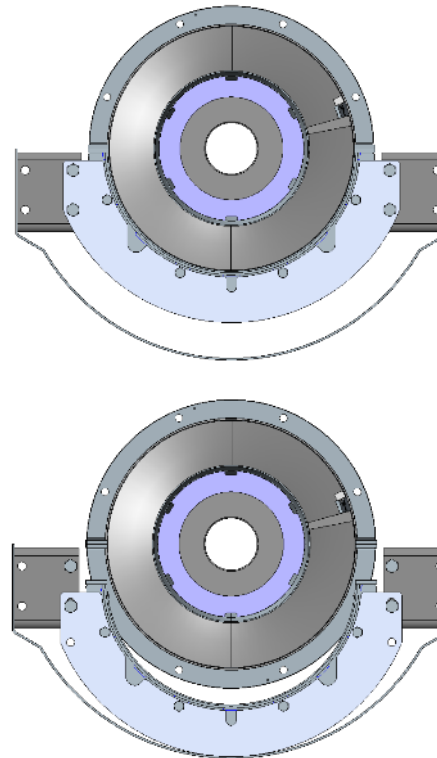
Split filter baskets (option)



The bottom half shell of the screen basket remains inside the machine housing during maintenance

➤ minimized space and time requirements during maintenance

➤ insides of the filter are easy to control and clean



Wedge wire

- free screen surface is completely used and cleaned
- no concealed filter areas due to additional support basket constructions

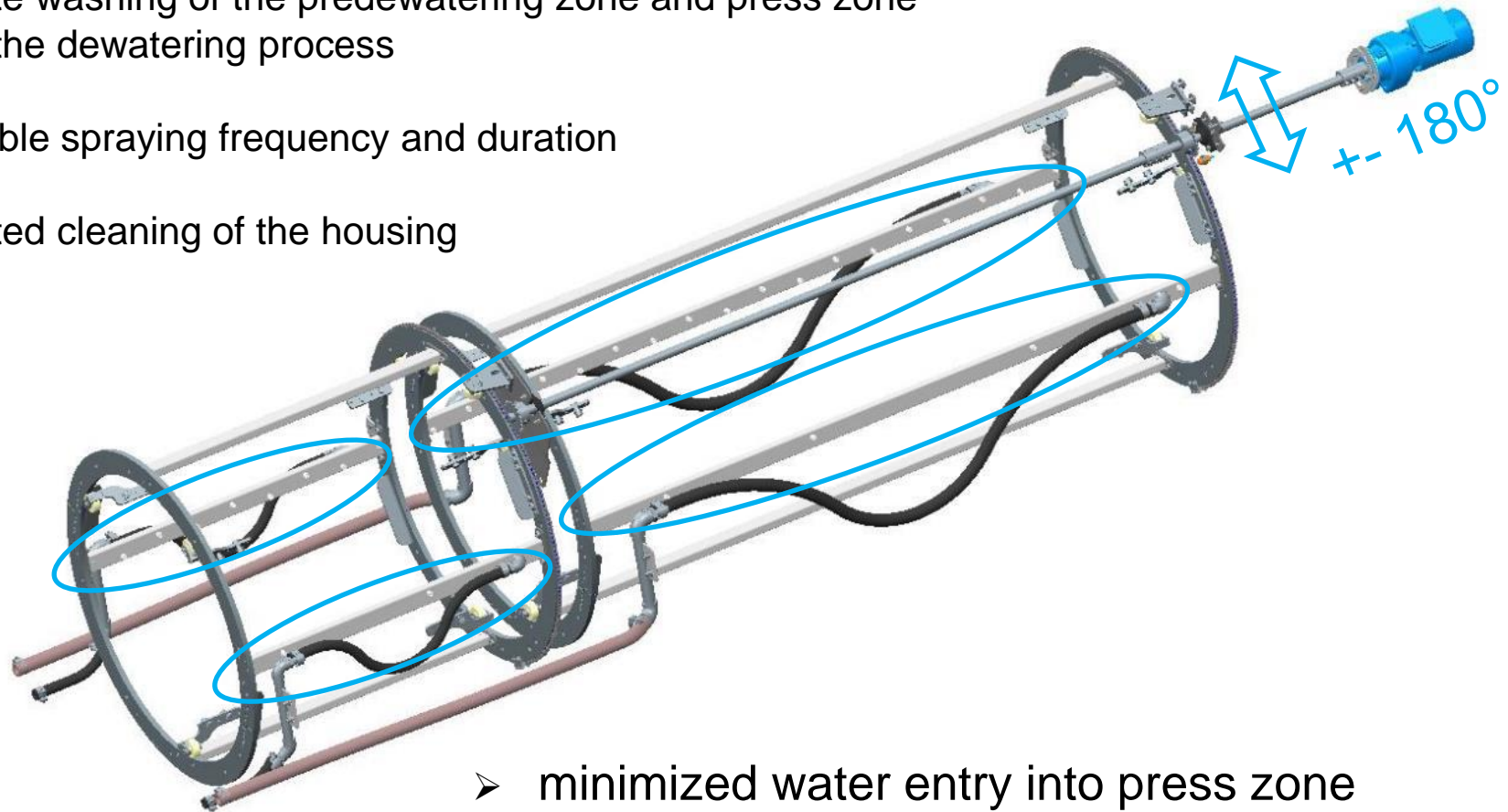


Rotating spray nozzle basket for screen basket washing

separate washing of the predewatering zone and press zone during the dewatering process

adjustable spraying frequency and duration

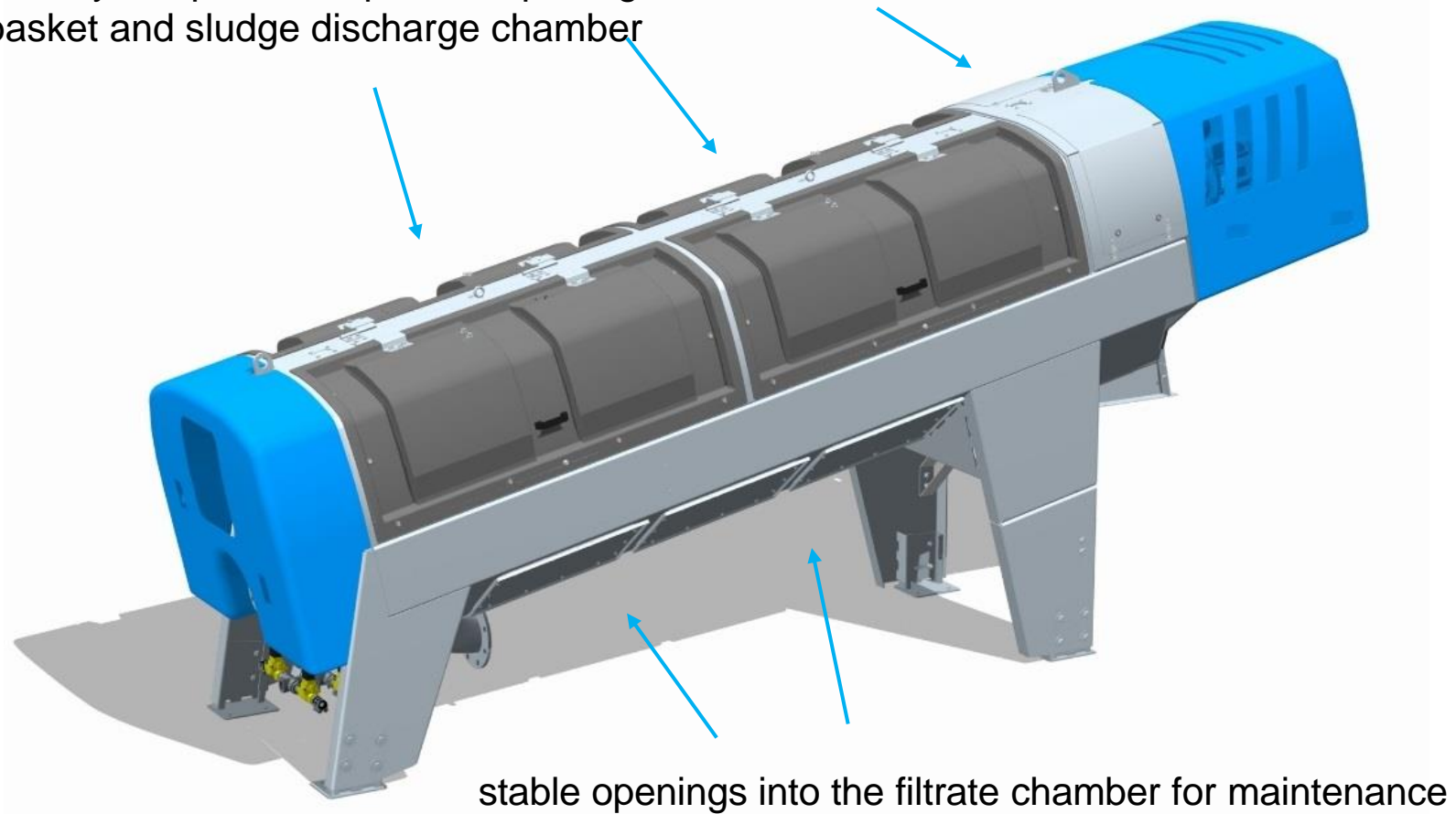
integrated cleaning of the housing



- minimized water entry into press zone
- reduced wash water demand
- improved dewatering results

Access

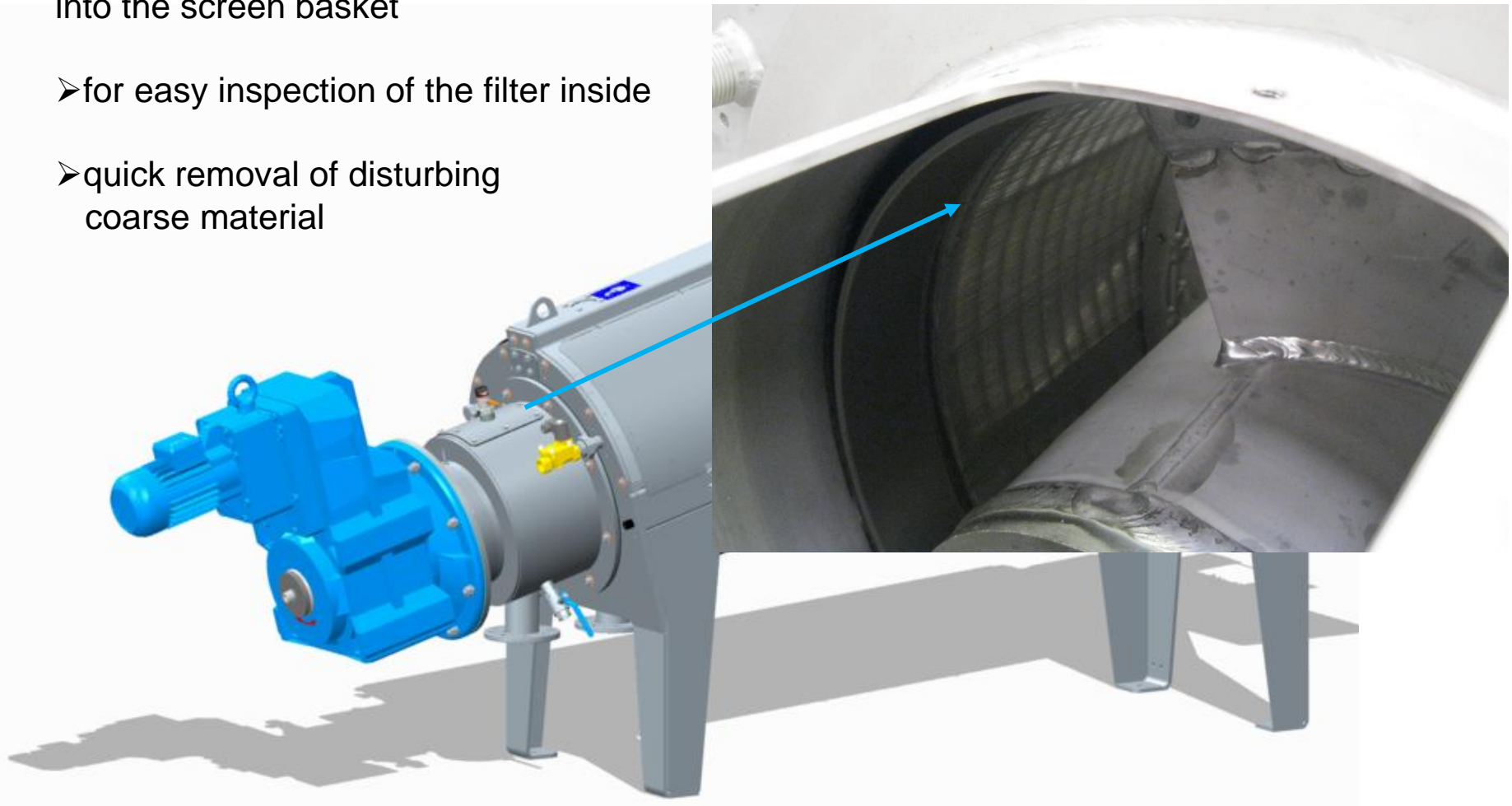
large and easy-to-operate inspection openings into the screen basket and sludge discharge chamber



Access

Inspection opening
into the screen basket

- for easy inspection of the filter inside
- quick removal of disturbing
coarse material



Thank you for your attention!

