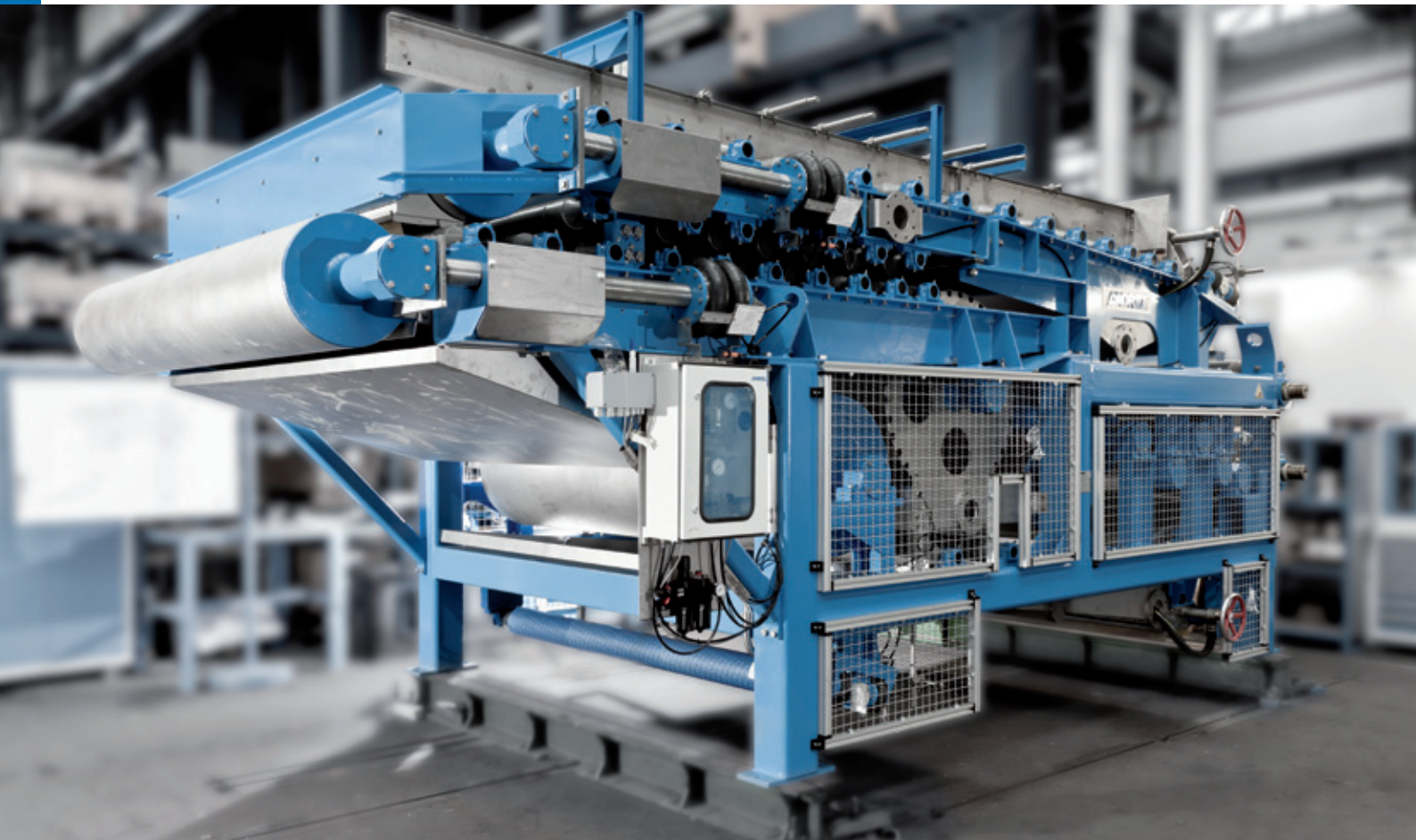


Heavy-duty belt press

for dewatering mineral and industrial sludges



Modern coal beneficiation plants are becoming more and more complex as a result of efforts to increase the yield, improve the product quality, and minimize the water consumption and environmental impact.

This typically means: more separation stages, finer particle sizes, higher product dryness without thermal drying, higher recycling rates for process water, and efficient dewatering of tailings.

Customer value

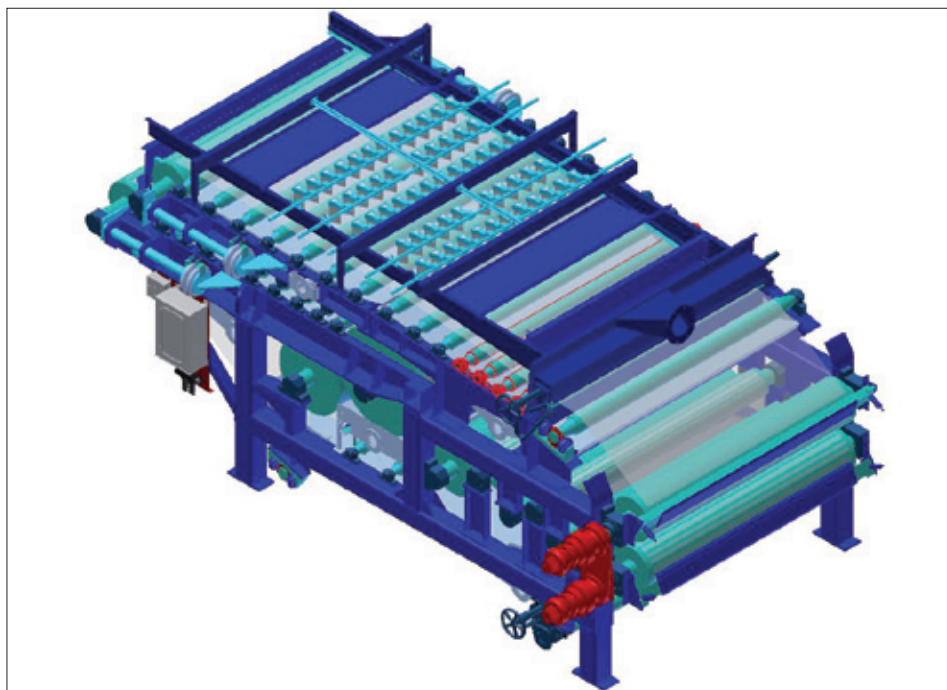
ANDRITZ SEPARATION helps to save costs and increase profits by optimizing process and product quality, enabling water and energy reuse, and minimizing emissions:

- Excellent dewatering results with lowest flocculent consumption by using two wires and pressures up to 2 bar in combination with strong shearing stress
- Low energy consumption
- Reliable and fully automatic operation
- Extended service life due to robust design

- Improved filter belt service life
- Sturdy design for high dewatering pressures
- Compact structure and modular design
- Uniform distribution of solids over the entire working width due to patented pivoting distribution device
- A supplementary gravity zone can be added to achieve highest throughput

Heavy-duty belt press

for dewatering mineral and industrial sludges



Material data

- Frame: carbon steel (painted or galvanized)
- Rolls: coated carbon steel
- S-rolls: stainless
- Cloth: variable

Applications

- Coal and iron ore
- Alumina and potash
- Non-ferrous

^{*)} All data are non-binding and intended as information only.
^{**)} Depending on the specific weight of the substance and the solids concentration in the slurry.

Heavy-duty belt press for mineral and industrial sludges (basic types)*

	CPF 1000 SMX	CPF 2000 SMX	CPF 2200 S8	CPF 3000 SMX	CPF 4000 SMX
Nominal feed capacity	20-35 m ³ /h	50-70 m ³ /h	50-70 m ³ /h	85-110 m ³ /h	110-140 m ³ /h
Dry solids throughput range**	8-15 t	15-30 t	15-30 t	30-45 t	40-60 t
Length (mm), approx.	7,400	7,400	7,000	7,400	7,400
Width (mm), approx.	2,000	3,000	3,400	4,000	5,000
Height (mm), approx.	2,800	2,800	2,700	2,800	2,800
Weight (t), approx.	12	15	22	17	25
Motor (kW, for drive)	2 x 5.5	2 x 5.5	2 x 5.5	2 x 5.5	2 x 8.5
Average wash water supply for cloth cleaning (m ³ /h)	9	12	18	20	26
Pressurized air	8 bar			7 m ³ /h at 7 bar	
Customized types (on request)	Individual requirements are met by using individual press nips, an ultra-high pressure zone, and by installing a supplementary gravity zone				

AFRICA
ANDRITZ Delkor (Pty.) Ltd.
 Phone: +27 (11) 466 2361
 Fax: +27 (86) 636 2122
 separation.za@andritz.com

AUSTRALIA
ANDRITZ Pty. Ltd.
 Phone: +61 (3) 8773 4888
 Fax: +61 (3) 8773 4899
 separation.au@andritz.com

EUROPE
ANDRITZ AG
 Phone: +43 (316) 6902 2318
 Fax: +43 (316) 6902 92318
 separation@andritz.com

SOUTH AMERICA
ANDRITZ SEPARATION Ltda.
 Phone: +55 (47) 3387 9110
 Fax: +55 (47) 3387 9103
 separation.bra@andritz.com

ASIA
ANDRITZ Singapore Pte. Ltd.
 Phone: +65 (6512) 1800
 Fax: +65 (6863) 4482
 separation.sg@andritz.com

CHINA
ANDRITZ (China) Ltd.
 Phone: +86 (757) 6663 3419
 Fax: +86 (757) 6663 3448
 separation.cn@andritz.com

NORTH AMERICA
ANDRITZ SEPARATION Inc.
 Phone: +1 (817) 465 5611
 Fax: +1 (817) 468 3961
 separation.us@andritz.com

www.andritz.com