



# FILTRATION TECHNOLOGY VACUUM BELT FILTER

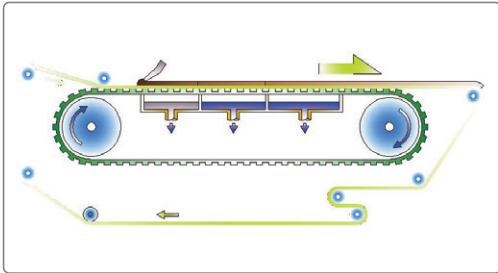


## Character

자동 운전	밀폐화로 탈취 관리 가능
높은 유연성	유지 보수비가 적어 경제적
높은 처리 능력	연속공정 가능(Slurry 탈수, 건조, Cake 세정, Filter Cloth 세척 등)
효율적인 cake 건조 장치 부가 기능	

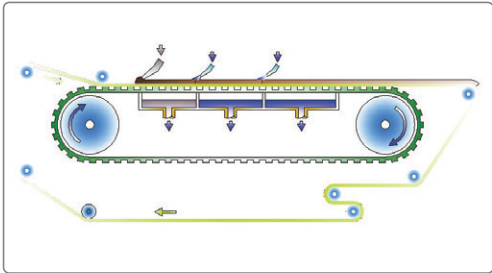
## Application

부유 선광물 및 부산물 탈수 및 건조	Coal Copper Lead Nickel	Zinc Pyrite Phosphate rock Magnetite
침강물류 탈수 및 건조	Limonite Zircon Paper effluent Silica sand Bagasse boiler smuts Rutile	Chromite Iron ore Power station ash(Gypsum) Andalusite
기 타	수지류, 일반 화성품, 안료, 의약품 등	



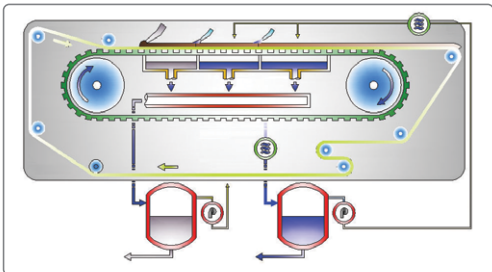
### Slurry Deposit

Slurry는 Filter Cloth 상면에 균일하게 공급되며 하부에서 Vacuum Pump로 흡착하면 Filter Cloth와 Belt의 흡으로부터 고액이 분리됩니다.



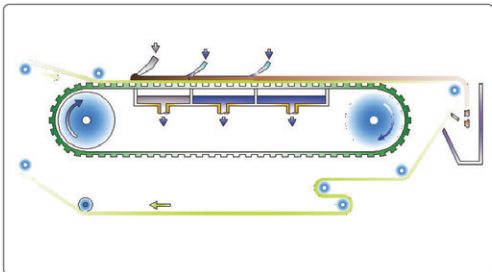
### Cake Washing

Cake 형성 후 Cake 상면에 세정수를 Spray합니다.  
탈수 길이에 의해 다단계 세정이 가능합니다.



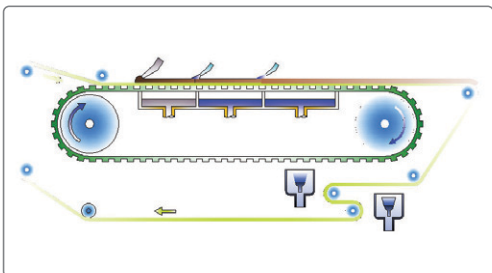
### Cake Drying

Cake 형성 및 세정 후 Cake입자 사이로 통과되는 공기에 의해 건조가되며 별도로 증기, 진동, 압착 등의 장치를 부가하여 Cake 함수율을 최소화 할 수 있습니다.



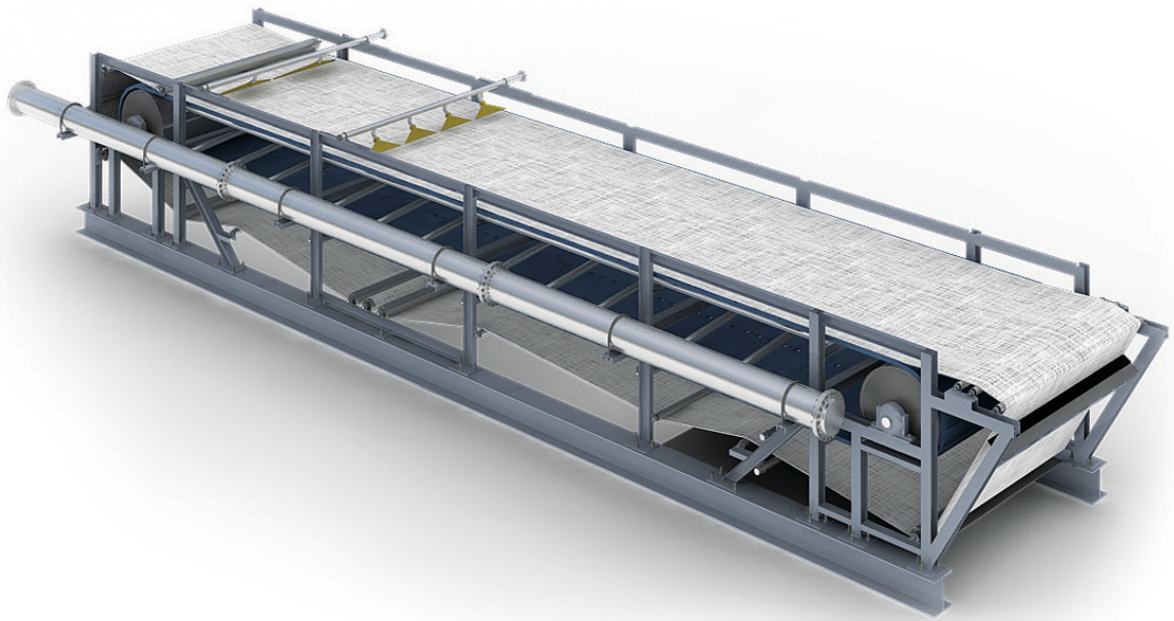
### Cake Discharge

탈수, 건조가 끝난 Cake는 Filter Cloth 상면의 Roller에 의해 부서져 배출 Chute를 통해 배출 됩니다.



### Filter Cloth & Belt Washing

Filter Cloth 및 Rubber Belt는 Return 구간에서 세척수에 의해 세척되어 탈수 효율을 높여주고 Filter Cloth의 수명을 증대 시킵니다.



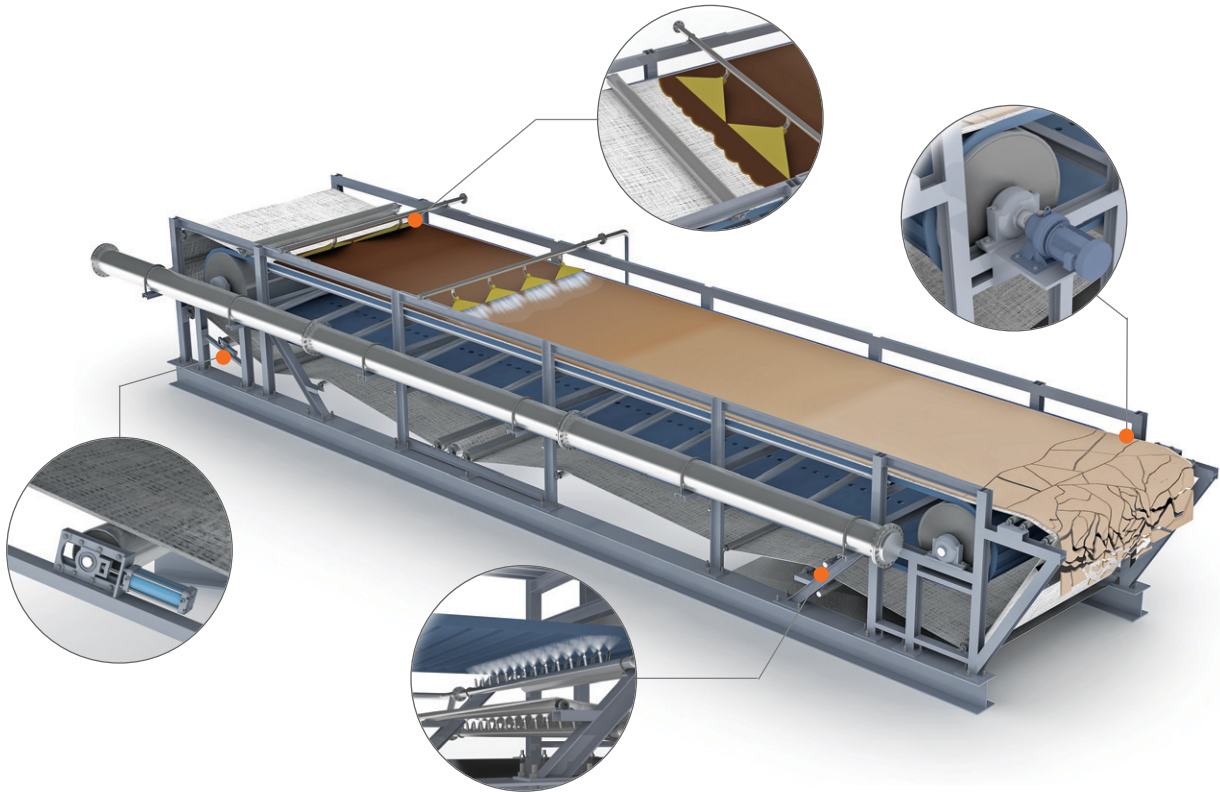
## SPECIFICATION

Filtration Width	m	1.60	3.00	4.25
Filtration Length, Minimum	m	6.0	10	20
Length Increments	m	2	2	2
Filtration Length, Maximum	m	20	40	40
Filtration Area, Minimum	m <sup>2</sup>	9.6	30	85
Area Increments	m <sup>2</sup>	3.2	6	8.5
Filtration Area, Maximum	m <sup>2</sup>	32	120	170
Overall Width	m	3.25	4.65	5.90
Overall Length, Min~Max	m	10.75 ~ 24.76	17.36 ~ 47.36	24.77 ~ 44.76
Overall Height without hood	m	1.9	1.9	1.9
Weight, Min~Max	kg	8,700 / 14,700	13,800 / 31,800	24,300 / 39,300
Installed Power, Mix~Max	kW	2.2 ~ 22	4 ~ 55	11 ~ 90

\* Single Vacuum Box(width increases with 2 boxes

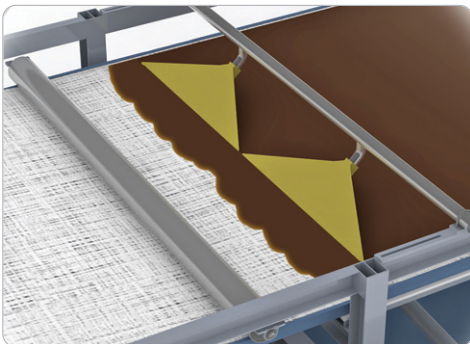
이 제원은 예고 없이 변경 될수 있습니다.

\*사양 일람표에 없는 제품도 주문 제작이 가능합니다.

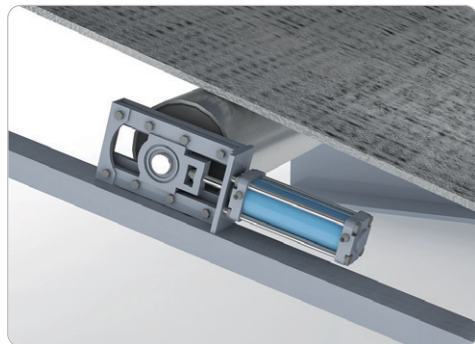


## **DIVISION**

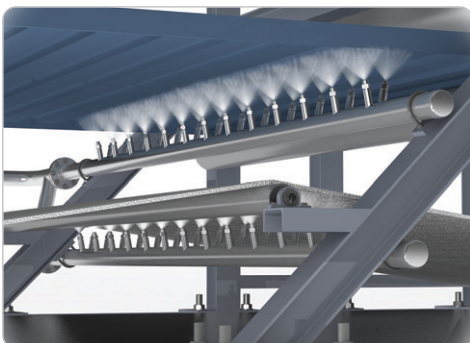
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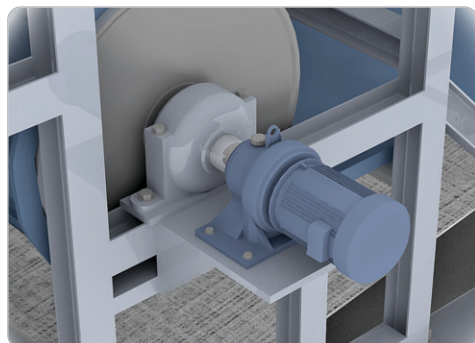
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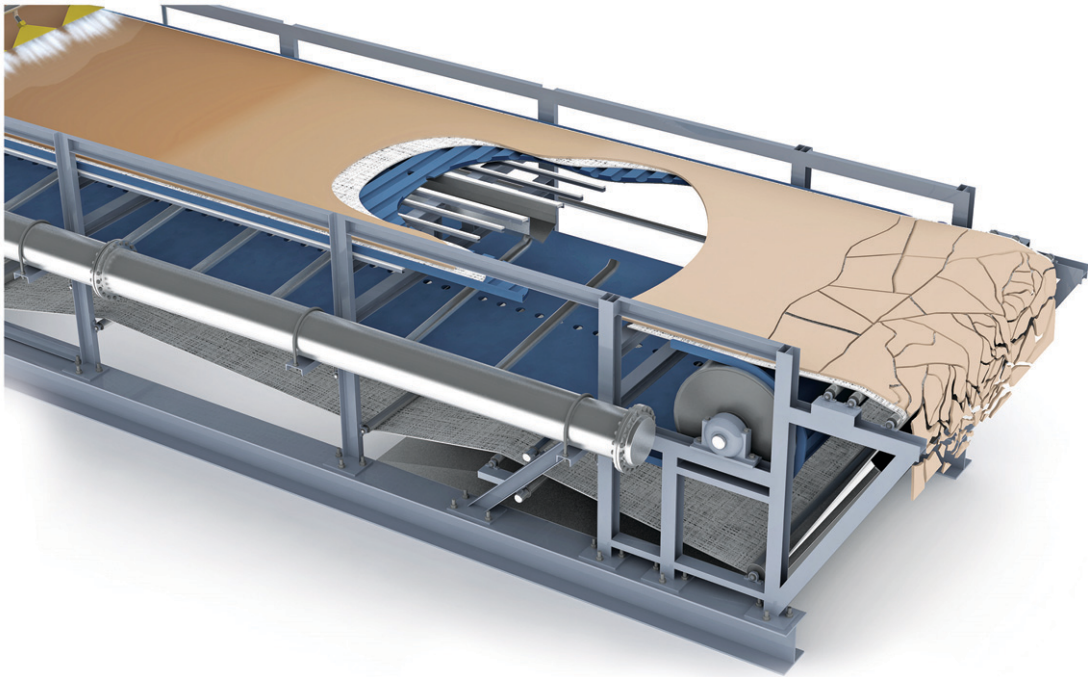


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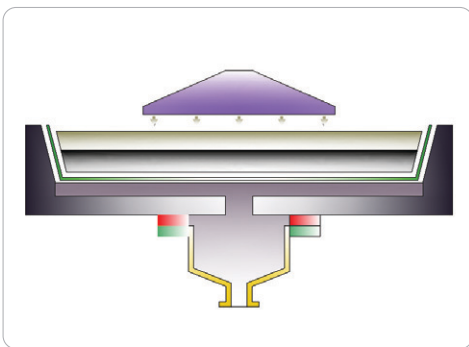
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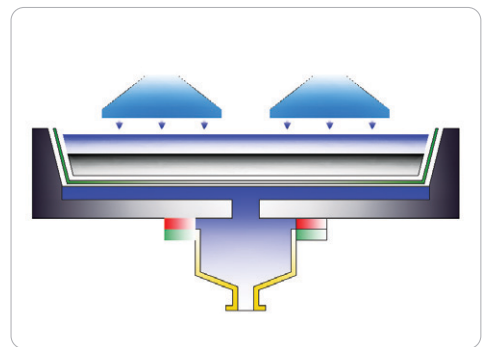


## **MAIN SECTION**

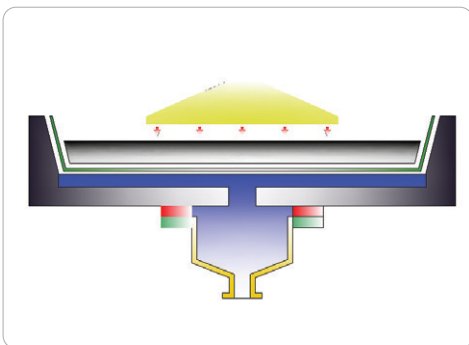
SLURRY DEPOSIT



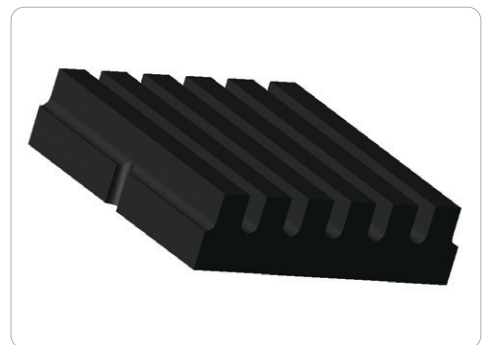
WASHING & FILTRATION



DRYING & VACUUM

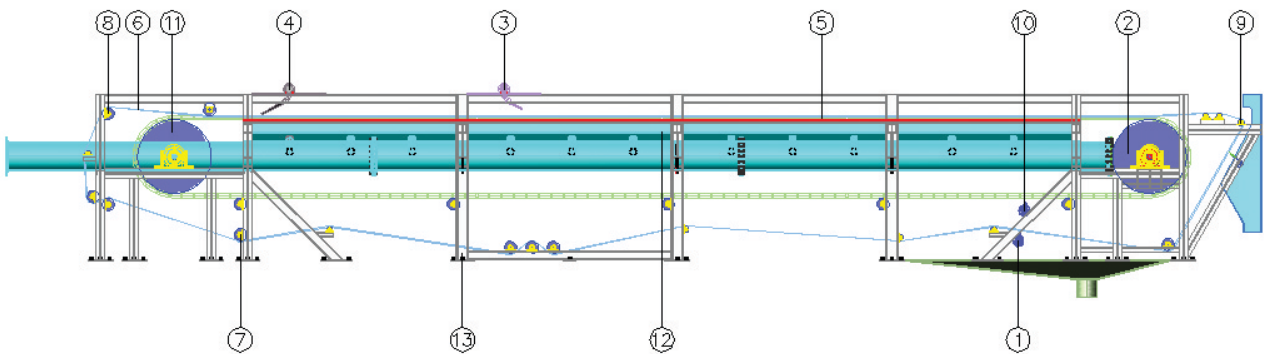


RUBBER BELT





## FABRICATION



- |                       |                                    |                          |
|-----------------------|------------------------------------|--------------------------|
| 1. Filter cloth wash  | 6. Filter cloth                    | 11. Take-up pulley       |
| 2. Drainage belt wash | 7. Filter cloth aligning mechanism | 12. Vacuum pan           |
| 3. Cake wash box      | 8. Filter cloth take-up            | 13. Filter support frame |
| 4. Feed box           | 9. Discharge roll                  |                          |
| 5. Drainage belt      | 10. Drive pulley                   |                          |

## FILTER CLOTH



SECTION DETAIL



ENDLESS WELDING



ENDLESS METAL PIN SEAM



**CLATEC** Classification Technology  
Clarification Technology **크라텍(주)**

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