

# GEMINI BELT PRESS

800, 1200, 1700 & 2200 SERIES

The Or-Tec Gemini Series Belt Press is a double belt system ideal for the medium to large size W.W.T.P. This press combines a gravity drainage zone and a low pressure shear zone to provide high throughput and an excellent final cake. The system can be customized to the clients needs with a full range of ancillary equipment from polymer dosing, to controls, to sludge pumping and dry cake conveying

- Simple & Easy to Operate
- Stainless Steel Construction
- Exceptionally Dry Cake
- Easy to Maintain
- Auto Start-Up, Run, and Shutdown
- Automatic Belt Tracking
- Sludge Cake Monitoring System
- Skid Mounted Turnkey System



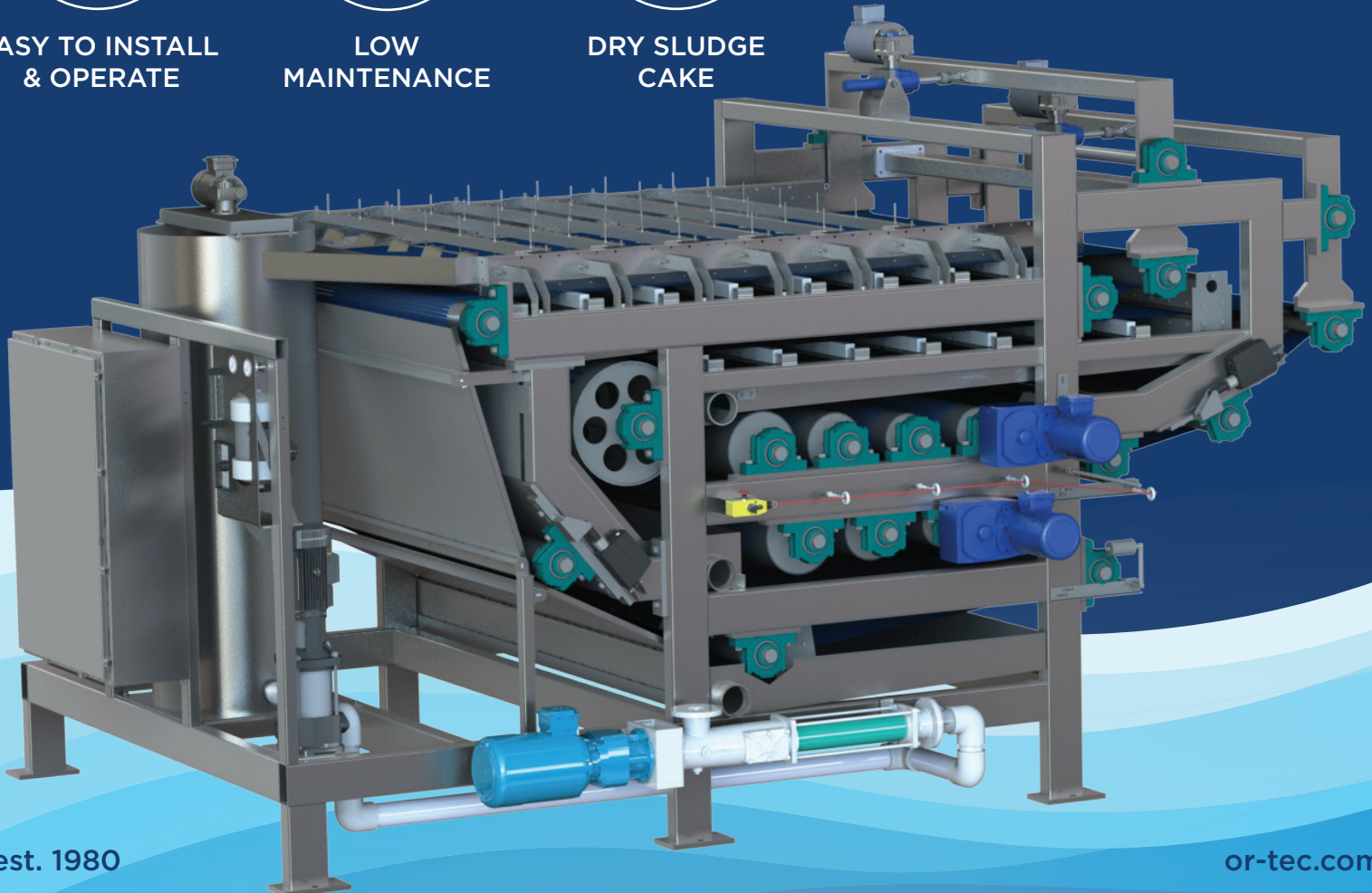
EASY TO INSTALL  
& OPERATE



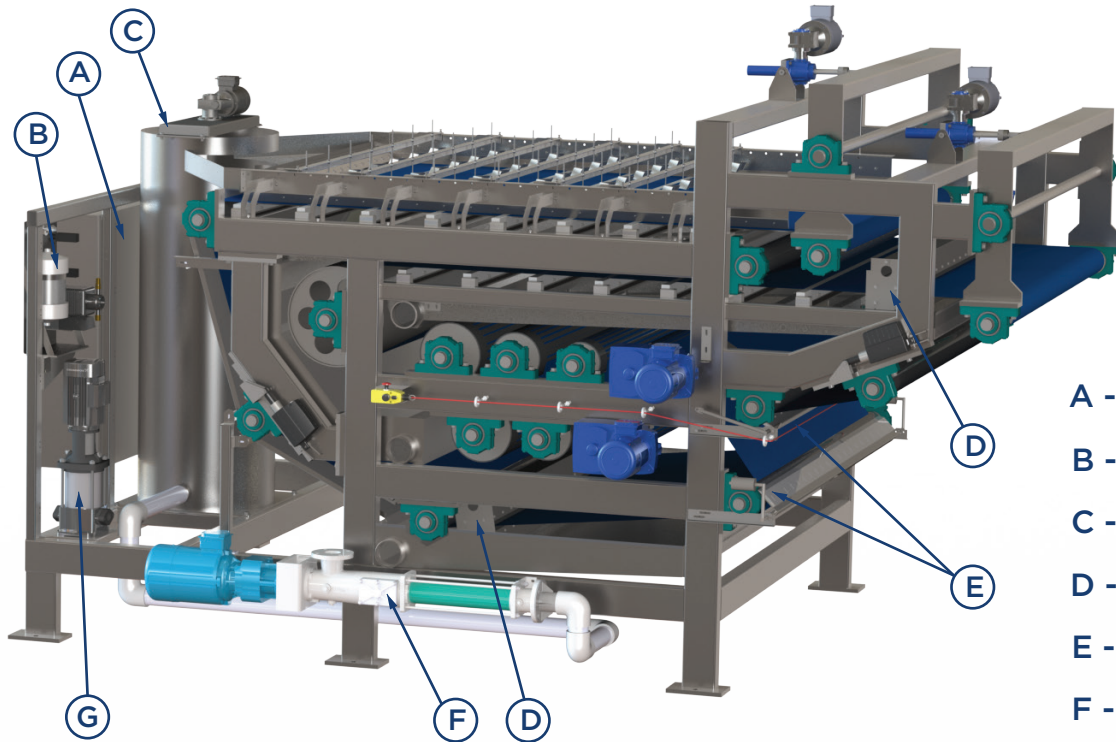
LOW  
MAINTENANCE



DRY SLUDGE  
CAKE



# DON'T DEWATER IT, PRESS IT



- A - Control Panel
- B - Polymer Dosing
- C - Flocculation Zone
- D - Belt Wash Station
- E - Sludge Cake Discharge
- F - Sludge Pump
- G - Washwater Pump

| Type of Sludge   | Feed Sludge Conc % | Dry Solids Feed Rate 1lb/HR | Sludge Feed Rate GPH | Poly Conc % | Poly Feed Rate lbs/Ton d.s. | Final Cake Conc % |
|--|--------------------|-----------------------------|----------------------|-------------|-----------------------------|-------------------|
| Activated Sludge from Municipal WWTP                       | 1.5                | 750 (1.2m)                  | 5,995 (1.2m)         | 0.25        | 8-10                        | 18 Plus %         |
|  |                    | 1,115 (1.7m)                | 8,912 (1.7m)         |             |                             |                   |
|  |                    | 1,500 (2.2m)                | 11,990 (2.2m)        |             |                             |                   |
| Activated Sludge from Anarobic WWTP                        | 3.6                | 970 (1.2m)                  | 3,230 (1.2m)         | 0.25        | 8-12                        | 22 Plus %         |
|  |                    | 1,440 (1.7m)                | 4,796 (1.7m)         |             |                             |                   |
|  |                    | 1,940 (2.2m)                | 6,461 (2.2m)         |             |                             |                   |
| Primary and Secondary Activated Sludge from Municipal WWTP | 3.25               | 1,125 (1.2m)                | 4,150 (1.2m)         | 0.25        | 8-10                        | 25 Plus %         |
|  |                    | 1,670 (1.7m)                | 6,161 (1.7m)         |             |                             |                   |
|  |                    | 2,250 (2.2m)                | 8,300 (2.2m)         |             |                             |                   |
| Flotation Skimmings  | 8.2                | 1,450 (1.2m)                | 2,120 (1.2m)         | 0.20        | 10-12                       | 30 Plus %         |
|  |                    | 2,175 (1.7m)                | 3,180 (1.7m)         |             |                             |                   |
|  |                    | 2,900 (2.2m)                | 4,240 (2.2m)         |             |                             |                   |

Listed capacities are for reference only, contact Or-Tec for specific application information.