



Greener Day Solutions Multi-Disc Screw Press

**Dewatering
Made Simple®**

Pneumatic Pressure Plates

We are the only company that has a pneumatic pressure plate on the end of the screw. This allows the customer to set the PSI on the pressure plate to get the desired dryness of cake. This also makes clean out of the screw press much easier. With one button the pressure plate opens, and all the solids can be pushed out of the screw, reducing cleanup time by two-thirds. We also have a conical cone over the shaft which allows the solids to evacuate easier from the press. Our competitors have a fixed plate, which often holds back excess solids in the screw during clean out. This can affect the solids to dry and harden which can cause premature wearing of the floating rings.

High Quality Construction

Our Multi-Disc Press body is made of X5CrNi18-10 (1.4301/SS304) stainless steel. The screw and the plates are made of X2CrNiMo17-12-2 (1.4404/SS316) stainless steel. We are the only company using 316 stainless steel and Special Thermal Surface Technology. This ensures abrasion resistance, additional hardness, and resistance to wear and tear. This also provides necessary corrosion resistance from coming into contact with aggressive sludge waters, therefore extending the life of the equipment.

Replaceable Tip Screw Auger

The functional edge of the screw shaft is now a separate part

- Tips are made from hardened stainless steel (55 HRC, Rp02 = 700 [MPa])
- The replaceable tips are cost-saving which makes it easier to rebuild the screw shaft (and now is possible to do on-site)
- Increased general wear resistance with geometry optimization and increased size of cross-section of hard-wear resistant layer, compared to conventional designs or thermal sprays
- Possibility of retro-fitting our older models with the new shaft design

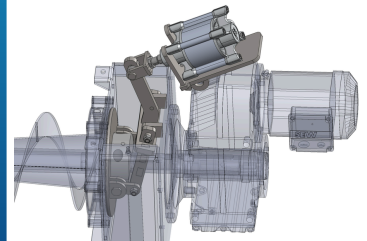
Special Thermal Surface Technology

Our 316-grade stainless steel discs are treated with Special Thermal Surface Technology to drastically increase the hardness of the material. This significantly increases corrosion resistance and extends the wear life of the discs. Our competitors use common 304-grade stainless steel which does not hold up as well to corrosion and pitting, resistance to chlorides and salty environments, and elevated temperatures.

Key Features



Replaceable Tips



**Air Actuated Pneumatic
Pressure Plates**



**316 Stainless-Steel
Screw Auger and Discs**



**See what makes our screw press
different from our competitors**

📞 Aron Sheehan

📞 928-300-4939

✉️ aron@gdswater.com

🌐 www.greenerdaysolutions.com