

Model EWP Washing Press

Operations

The Washing Press receives the screenings from a primary screening device, sluice trough or conveyor through the inlet hopper. The spiral transports the screenings from the inlet to the washing zone where they are compacted and washed. In the washing zone, wash water is injected into the screenings from the openings in the hollow shaft of the spiral and from a nozzle at the top of the unit.

After the press compacts the screenings, the spiral reverses, pulling apart the compacted wastewater screenings. The cycle is repeated a minimum of four times, recompact the screenings and squeezing out excess wash water and organics. The repetition helps the press achieve up to 90% organic removal from the screenings. As the screenings move into the dewatering zone, the pitch of the spiral decreases, further compacting the wastewater screenings for maximum water extraction prior to entering the discharge pipe. From inlet hopper to discharge, the wastewater screening volume is reduced from 70% up to 85%.

The Model EWP Washing Press works in conjunction with our Mensch Bar Screen, Stair Screen, Multiple Rake Bar Screen, and any of our other screening equipment.