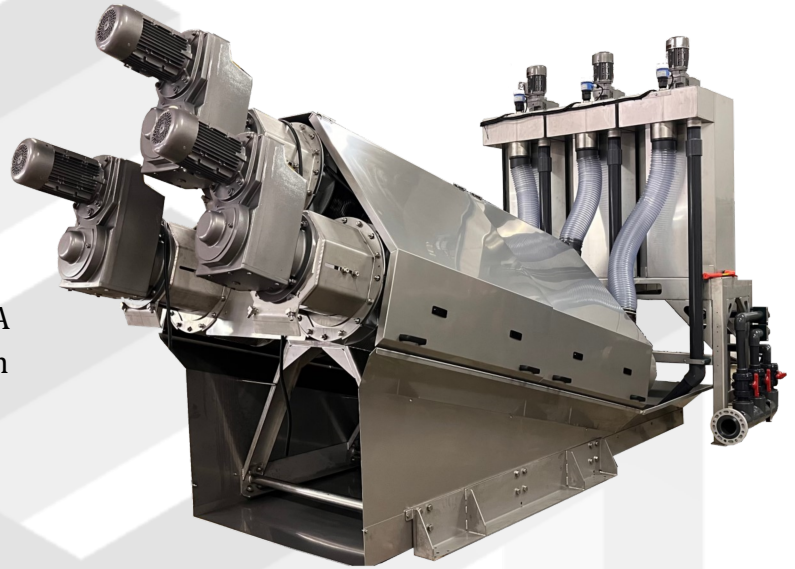


# E3-MDS

## MULTI-DISC SCREWPRESS

### Simplified Dewatering

The E3-MDS is an efficient adaptation of the common screw press. By using a series of fixed and moving rings the multi-plate screw press is better able to dewater difficult sludges in many applications. Typical screw press technology relies on screen size to separate flocked solids. A finer screen intended for greater solids capture is subject to blinding. A larger screen opening is less problematic with blinding however fiber or other body adder may be needed to provide a filter aid at the screen surface. The multi-disc screw press features self cleaning technology that allows for a much tighter filtering surface that is continuously cleared.



### Process Features

- Fully automatic continuous operation
- Works well with low body feed types
- Able to handle fatty or greasy feed
- Smart flush technology to keep operation consistent

### Applications

- Municipal waste water sludges
- Municipal water treatment sludges
- DAF Float and Clarifier sludges
- Oily sludges from food or manufacturing

### Equipment Features

- UL approved integral system controls
- SS Frame, casing, and internals
- Polymer delivery and aging system
- Sludge conditioning tanks
- Effluent buffer tank and return pump

### Advantages

- Most economical solution
- Compact footprint
- Reduced water consumption
- Minimal system horsepower
- Minimal noise



# E3-MDS

## MULTI-DISC SCREWPRESS

### Full System Installation Options:

The MDS product line can be integrated into your dewatering process in a number of arrangements.

- Gravity fed screw assembly only (ie: DAF Float)
- In-line sludge conditioning to a distribution box
- Feed conditioning tank included (Self leveling with floc tank)
- Skid Mounted with Feed, Polymer and Filtrate pumps
- Typical controls are AllenBradley PLC with Touchscreen interface



MODEL	Capacity Lb/hour	Capacity GPM
MDP-201	90	6
MDS-202	180	12
MDS-203	270	18
MDS-301	225	15
MDS-302	450	30
MDS-303	675	45
MDS-401	675	45
MDS-402	1350	90
MDS-403	2000	135

Capacities shown are approximations and will vary significantly for different feed types. Figures are based on sludge with TSS between 2% -4%.

Model number:

MDS = Multi Disc Screwpress

20X = 200mm / 8" Screw Assembly

30X = 300mm / 12" Screw Assembly

40X = 400mm / 15.5" Screw Assembly

XX1 = Single Screw configuration

XX2 = Double Screw configuration

XX3 = Triple Screw configuration

Note: multiple screw units can be operated simultaneously or duty standby

