

**Press Technology & Mfg., Inc.
Springfield, Ohio USA**

AGRI-CLEAN®

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PT&M

AGRI-CLEAN® system

- Mechanical Separation of manure solids.
 1. High discharge solids 35-45%(solids)
 2. High capture rate 70 -80%
- Chemical Treatment
 1. Nutrient Control, 90% phosphorus removal
 2. Reduction of suspended solids 99.7%

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AGRI-CLEAN® system



AGRI-CLEAN® 1st Step in Mechanical Separation Pre-Thickener



IDT Features

- No lubricated parts in filtrate or shower liquid
- Automated self cleaning showerhead
- Large screen area
- Fine wire mesh screen wrap

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Internal Drum Thickener (IDT) Reason for Pre-thickener

- Pre-Thicken Low Consistency manure flows. 1-6% Solids Thicken to 8-14% Solids.
- Achieve high capture rate/ Reduce chemical costs
- Increase mechanical capacity of the screw press

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IDT Discharge Solids



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2nd Step for Mechanical Separation AGRI-PRESS® STYLE SCREW PRESS



ADVANTAGES OF PT&M AGRI-PRESS

- All Screen Cages Split For Easy Maintenance & Shaft Removal
- Backing Ribs On All Screen Cages. Increased Screen Support For Split Cages
- Pneumatic Cone With A By-Directional Air Regulator. Consistent Discharge Solids Regardless Of Inlet Flow Rates
- PT&M Offers A Heavy-Duty Design Resulting In Less Maintenance & Longer Life

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Air Controlled Backpressure cone



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Constant Discharge Solids



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Dry Solids 35 – 45%



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AGRI-PRESS® Sizes

- 6,8,10,12 &16 inch diameter screws

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Filtrate is Chemical Treated



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DAF Clarifiers



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Solids Float to the Top



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AGRI-CLEAN® DAF Water
Phosphorus Reduction 90%
Removal of 99.5% Solids
Organic Nitrogen reduced 50%



Intergraded Control Package



Touch Screen Control panel



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Belt and Screw Conveyors



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Thank you!!

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