



Press Technology & Manufacturing, Inc.

Dewatering Equipment

[www.prestechnology.com](http://www.prestechnology.com)



## AGRI-PRESS®

Advanced Screw Press Technology for Effective Solids Removal

### Guaranteed Consistent Dryness

- High % Dryness on Discharge Solids
- Reduced Disposal Acreage
- Reduced Waste Hauling

### Compliance with Environmental Standards

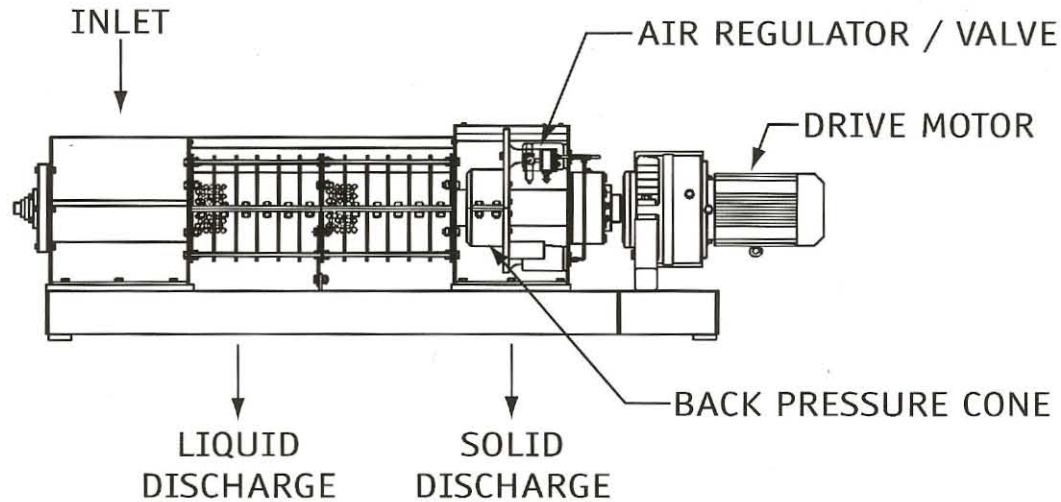
- Reduce Pollutants and Environmental Impact
- Recycle Solids as Bedding/Feed/Compost
- Long Term Odor Free, Pest Free Storage

### The Right Technology

PT&M is a developer and manufacturer of cutting edge screw presses for a variety of commercial and industrial applications. A leader in new screw press design, PT&M specializes in developing and manufacturing equipment tailored to meet customer requirements and demands.

### The Right Application

Spent grains ● Manures ● Diatomaceous earth ● Citrus wastes  
Vegetable wastes ● Sugar beets ● Alfalfa ● Miscellaneous Food  
and animal waste streams



**The Problem**

The laws governing the disposal of liquid slurries are challenging managers as the size of facilities grow and intensify. Compliance with environmental regulations could have tremendous impact on limiting the growth of producers and processors.

**The Answer**

PT&M's specialty is solving liquid/solids separation problems. Our design expertise comes from many years of experience developing screw presses. Our engineers have accumulated a wealth of knowledge through hands on testing of materials. This background has allowed us to configure screw presses which fit the specific needs of our customers.

The PT&M Agri-Press® is the best method for separation of liquids from primary or non-biological solids. Inside the press free water drains off as the material conveys down the screw. At a certain point the volume of the screw reduces and the liquid in the material is squeezed out by pressure. A set of air cylinders are connected to a

pressure plate (cone). The cone builds a back pressure causing more liquid to be compressed out. The air driven cone allows the press to maintain consistent dryness of discharge solids over a large range up to the limit of mechanical dryness. The pneumatic cylinders are adjusted by a valve which allows the operator to control the desired dryness of the solids.

The discharged solids now void of free water and in a compressed moist state (35-60% solids), can be stored for a long term without odor or attracting flies and other pests.

**Inlet Material**

The PT&M Agri-Press® can receive a wide range of material types and be fed by pumps or conveyors. The press can handle inlet liquids with solids as low as 3%, or bedding material with long straw without the need of a chopper pump. The inlet hopper is designed to reduce the bridging of inlet materials

**FEATURES:**

- Standard 304SS Wetted Surfaces
- Split Screen Cage with optional perforated or wedge wire screens
- Capacity varies with material type and shaft RPM

Model	Diameter	HP	Length	Height	Weight
AGP600	6"	7.5	95"	30"	1800 lbs.
AGP800	8"	75	127"	40"	2200 lbs.
AGP1000	10"	25	130"	42.5"	2800 lbs.
AGP1200	12"	35	150"	43.5"	5000 lbs.
AGP1600	16"	60	168"	58"	10,000 lbs.

For additional information,  
please contact



1315 Lagonda Avenue  
Springfield, OH 45503

937.327.0755 phone  
937.327.0756 fax  
www.presttechnology.com