



**SCREW-TYPE
COMPOST SYSTEM**

**ROPE SYSTEM
MANURE SCRAPER**



About

Agromatix, a subsidiary of Bulltech Advanced Agriculture, specializes in the manufacture and marketing of high-quality and innovative products for agriculture. The company provides solutions for all types of farms, including management of facilities for cattle and pigs, as well as poultry houses for light and heavy breeding. We address all aspects of pullet growing, cowshed construction and waste treatment, along with agricultural manufacturing and marketing throughout the world. All Agromatix activities are conducted with the greatest attention to environmental quality, and in adherence with environmental regulations. Specializing in agricultural management, Bulltech sees projects through all stages, from initiation and planning through delivery of the final product. While the company applies its extensive experience to projects of different sizes and types, it always meets – and often exceeds – customer expectations regarding time frame, quality and budget. If you are seeking a product, management solution or service connected with agriculture, Agromatix is your one-stop-shop address.



The Agromatix's Screw-type Compost System

- Full automation
- Environmentally friendly operation
- Complete control of predetermined amount and quality of compost, and duration of process
- Treatment of diverse organic waste materials
- Suitability for growers of different animals
- Rapid production of compost from waste
- Low cost electricity and manpower
- Lower price than other similar systems
- Year-round operation
- Simple "on and off" operation
- Small space requirements
- Reduced odors

Cost-Effective

In contrast to conventional methods for turning waste to compost, the Agromatix Screw-type Compost System is less expensive. The system requires a relatively small operating area, and electricity and manpower costs are minimal. Closed and watertight, the system is resistant to all forms of precipitation. Agromatix's Screw-type Compost System works year-round, producing compost every season.



A Green Solution

The Agromatix Screw-type Compost System gives a complete – and green – solution to all farm waste. Treating chicken, pig and cow waste, the system operates according to the most stringent standards of environmental quality.

The unit is completely sealed – not only to weather conditions, but to handlers of compost and local water supplies as well. Contributing further to environmental quality, the compost process neutralizes odors. In addition, the compost itself can be enriched according to the demands of particular areas. Within 60 days, the final product – as is – is ready for dispersal.

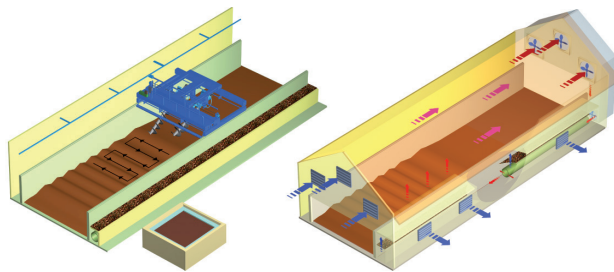
In short, Agromatix's Screw-type Compost System represents a true win-win situation, in which both growers and the environment stand to benefit.



The Agromatix Screw-type Compost System

Agromatix's Screw-type Compost System aerobically decomposes animal waste and other organic matter, turning muck to fertilizer. Quick, simple and inexpensive to operate, this compost system enriches agricultural enterprises, without endangering their environs.

How it works



Waste is inserted. Up to 25 cubes of waste a day, consisting of excrement from one or several types of animals, is placed in the fermentation area. Liquid waste, like that of pigs, may be supplemented with organic material that absorbs water, resulting in a more solid product. Any organic matter in the form of wastage may also be added.



Two systems work simultaneously:

Aeration Process

Air is piped through the floor for 12 hours daily, enriching the waste and accelerating the decomposition process. Minerals can be added, upgrading the compost's quality level.

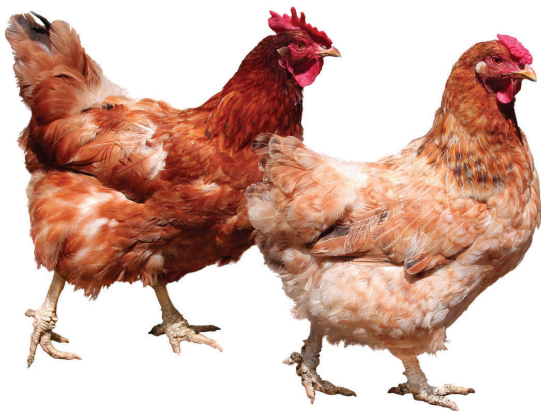


Turning Screws

For three hours a day, large screws tumble and blend the waste, then push it forward.

Every day, fresh waste that can be poured by truck, is blended with solid material in the unit. If the waste is liquid, it is poured into a drainage canal that extends the length of the compost system. Liquid waste is suctioned from this canal and dispersed by a pipe that runs along the width of the mixing unit's moving bridge.

After 60 consecutive days, the first batch of compost is prepared and ready for use.



The Agromatix Rope System Manure Scraper

Agromatix's Rope System Manure Scraper is characterized by simplicity and flexibility. Easy to install, operate and maintain, the scraper is the ideal solution for varying types of animal sheds.

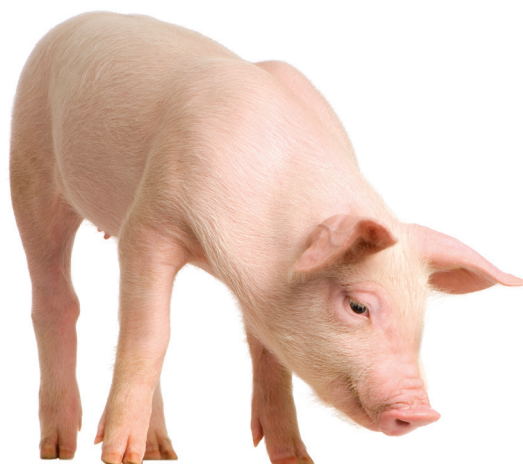
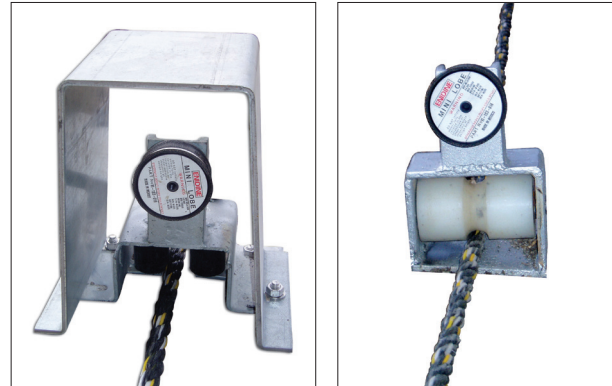
The scraper's electronic control system is simple to program, and hand-tailored to meet specific client needs and facility conditions. Its parts are few and easily replaceable.

With great flexibility, the Agromatix Rope System Manure Scraper can be fitted with either a V-shaped or horizontal scraper, depending on the type and shape of animal shed. In addition, it can be fitted to any floor, in single corridors of up to 180 meters in length or two parallel corridors 90 meters long.

Unlike a tractor's shovel, the scraper does not cause wear and tear to concrete floors. Additionally, the scraper can be used on entirely rubber or half rubber/half concrete surfaces, and can be outfitted with a metal or rubber blade.

Saves Money

Agromatix's Rope System Manure Scraper runs automatically with a controller, saving electricity costs. In contrast, other automated scrapers require greater initial expenditure, while conventional tractor cleaning methods disturb the animals and are more costly in terms of manpower and floor damage.



Environmentally Friendly

Agromatix's Rope System Manure Scraper guarantees that people – and their surroundings – have minimal contact with animal waste. The scraper directs manure to a pit, from where it is pumped and conveyed in a sealed container to its final destination. There is no open transporting of waste, making for maximum hygiene and control.

This scraper also presents great benefits to those occupying the sheds: the animals themselves. Unlike traditional devices, which are pulled by steel cables, chains or tracks that can damage animals' legs, the Agromatix Rope System Manure Scraper is drawn by soft and harmless – yet strong – polypropylen rope. An added plus for animal growers, this rope does not rust, and is easy to tie or replace if necessary.

Outfitted with a unique electronic control system, the Agromatix scraper insures animals the greatest safety. If a disturbance causes the system to stop unexpectedly, a warning light blinks and a written message appears on the controller's screen. Near to the ground, quiet and slow-moving, the scraper causes no unnecessary stress to animals.





*Bulltech advanced agriculture Ltd.
Granot factories, M.P. Hefer 38811, Israel
Tel +972-4-6231057, Fax +972-4-6231046
agromatix@bulltech.co.il, www.agromatix.com*

