



**FARR APC**  
*Air Pollution Control*

Case Study

## Gold Series Oriented for Thailand Installation

**Product:** Gold Series  
**Size:** GS24 Designed for 11,600 CFM  
**Application:** Dust from Corn Sheller and Cleaner  
**Customer:** Monsanto - Thailand  
**Representative:** W.D. Patterson Company

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### Challenge

Monsanto is a leading provider of agricultural products and solutions. They produce leading seed brands, and develop biotechnology traits that integrate insect control and weed control into the seed itself. In 2002, the Monsanto seed corn processing facility in Thailand needed a new filtration system for the corn sheller and cleaner equipment. As with typical U.S. corn sheller applications, the dust included husks, silks, broken cobs and light, fluffy material. Through their world headquarters in St. Louis, MO, Monsanto worked with a contractor that contacted Farr sales rep Jerry Ruggle of W.D. Patterson Company.

### Solution

With detailed information from the contractor, Jerry sized up a Gold Series model GS24 for an air-to-cloth ratio of 1.4:1. Overbags on the cartridges would prevent husks and slivers from getting wedged in the pleats. A rupture-type explosion vent would be factory installed for safety as this type of grain application could be hazardous. Packed with a Dwyer control panel, the Gold Series system was sent on its way to Thailand. A

benefit of this GS unit over reverse-air or other larger systems is that it small enough to fit in a standard container for overseas transport. Also, the timer's wide voltage range allows for easy installation in many foreign countries as well.

Shipment was made in November 2002. Installation is over a covered conveyor that carries the discharge from a rotary airlock to another enclosed building where the cobs are separated out and used for fuel and feed. Jerry reports that Monsanto Thailand will soon order another Gold Series to replace a Torit collector that they have installed on the roof.



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*For further information regarding this application, contact Farr rep Jerry Ruggle of W.D. Patterson Company at 515-465-7786.*