



CST Wastewater Solutions' KDS separator, proven in thousands of applications worldwide.

food and beverage kitchens and catering facilities which face the challenge not only of handling heavy, sticky wet waste, but also the volume and cost and OH&S hazards of transporting such unhygienic material to disposal facilities.

CST Wastewater Solutions managing director Michael Bambridge says

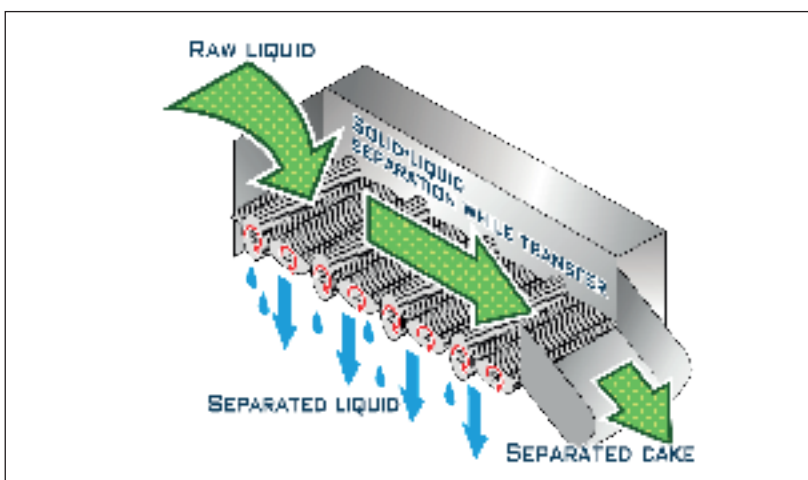
benefits of particular importance to installations for the pork industry include:

- Removal of solids from waste streams
- Dewatering of sludges and solids

- Screening and dewatering of pork processing wastes
- Removal and dewatering of solids from waste waters
- Dewatering of chemical sludges from DAF floats
- Treatment of pig farm raw manure and sludge
- with cake dryness of 20-30%

The largest energy-saving KDS unit can handle about 100 kg DS (dry solids) an hour at 98% solids capture,

*“The KDS Multidisc Separator system from CST Wastewater Solutions, which requires no washwater, while capturing 90-99% of solids.”*



The clog-free automatic liquid-to-solid waste separator dewateres solids and conditioned sludge on a self-cleaning wedgewire belt. This static belt is cleaned by a unique set of rotating oval shape plates

to produce this more hygienic and more compact output that is easier and cheaper to handle and transport, he says.

Used for dewatering of dissolved air flotation sludge, a very common application throughout waste water operations, the KDS achieves solids capture of 97% thickened sludge at a dryness of 17%. Waste activated sludge dryness levels are typically 15-18% dryness.

The high quality, Japanese-manufactured technology:

- Uses minimal energy, consuming as little as 0.06 kW/hr of electricity
- Operates at low (63 dBA) non-intrusive noise and vibration levels
- Requires minimal daily maintenance, saving cost and enhancing OH&S performance
- Occupies typically half the space or less of conventional dewatering plants
- Is available as fixed compact units or skid-mounted types that can be carried on truck or trailer.

This lighter, dryer waste it produces reduces the need for manual labour in cleaning and transport operations and curtails the need for staff to handle sloppy heavy waste potentially

hazardous to health.

“With the KDS’ minimal water, power and space demands, it is suited to both smaller-to-

medium business and also to those operating in remote or environmentally sensitive situations,” said Mr Bambridge.

Applications for which the separator is designed include:

- Food processing waste, including poultry and snack foods, kitchen and restaurant waste, raw wastewater (primary screening) and sludge
- Abattoir, feedlots, and dairy farm wastewater and sludge. Cattle manure cake dryness of 25-35% is typically achieved
- Pig farm raw manure and sludge, with cake dryness of 20-30%.