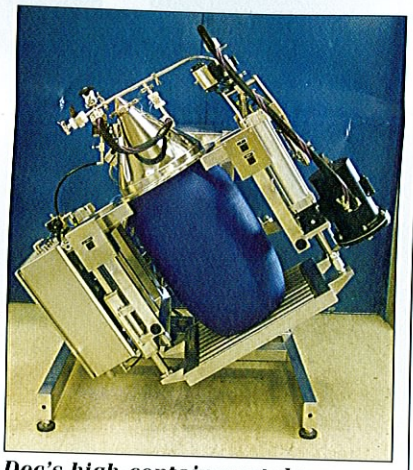
FLEX weighing instrumentation from Penko Engineering offers digital filtering benefits.

Drum inverter ensures enclosed discharge of iodine powder

Dec (Dietrich Engineering Consultants) of Ecublens, Switzerland, has introduced a system which allows drums of iodine powder to be emptied with precision and in a totally enclosed way into a reactor. This employs the company's Powderflex technology (patent pending) in order to avoid any contact with air humidity during the transfer phase which can take several hours at a rate of 5-300kg/h. Transfer takes place under inert conditions and the complete system can be cleaned in place.

The drum emptying station (pictured during rotation) consists of a suction hopper connected to the Powderflex by a flexible hose. The hopper is installed on a manual tumbler. An automatic filling system seals the drum to the hopper. The drum is manually turned by a handle on the side of the unit and product is transferred by the Powderflex system installed on the drum tipper frame which also incorporates the control panel. When the drum is empty, the system is turned back and a new drum is connected. A safety interlock ensures that the drum cannot be disconnected if the drum tipper is not in the lowered position.



Dec's high-containment drum discharge/dosing system for powders.

This technology allows continuous transfer and high-accuracy dosing of small to medium quantities of powder.

www.dec-sa.com

Hard steel offers cost-effective protection against moderate wear

Kalenborn of Vettelschoss, Germany, has extended its range of abrasion-protection products with the introduction of KALMETALL-HB hard steels which are available in a choice of different specifications. Typically with a hardness equivalent of around 400 Brinell, although harder categories are available, KALMETALL-HB has been designed to provide high

Kalenborn has also recently extended its KALMETALL-W hard overlay welding programme with a new series of welding consumables which includes not only flux cored wires but also stick electrodes. The choice of electrode alloy for hard overlay welding is determined, among other factors, by the chemical

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