

Hybrid loss-in-weight feeder

Working in close cooperation with the University of Applied Sciences Constance, Gericke headquartered in Regensdorf, Switzerland, has developed the DIWE-200 feeder. This is equipped with a mechanical vibration damper system and tare compensation that is capable



of compensating adverse vibration effects coming from the plant or the volumetric feeding system itself. Research carried out by the university showed that a vibration acceleration of up to 0.5m/s^2 did not affect the metering accuracy of Gericke's hybrid weighing technology. Tare compensation permits high feed rate and high metering accuracy even when processing very light and cohesive products such as titanium dioxide, as only the bulk material in the hopper and in the feeder is weighed and not the weight of the feeder itself. Various helix and screw designs are available to match the physical properties of the bulk product and the device can achieve high levels of short-term accuracy when combined with Gericke's Easydos Pro intelligent controller. www.gericke.net

DIWE-200 feeder from Gericke