Product Video

EDEM Simulation of Combine Harvester: Screw Auger Systems & Grain Sieving

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EDEM is high-performance Discrete Element Method (DEM) software for bulk material flow simulation. EDEM capabilities allow for simulation of various processes inside a combine harvester. Those, for example, include grain handling with the screw auger systems or grain sieving.

Bonded contacts and EDEM Application Programming Interface also enable modeling of flexible straws to analyze their behavior in straw walkers, cutting heads and other fragments of a combine.