

Novel differential mixing filter drier agitator

Powder Systems Ltd (PSL), Liverpool, UK, states that the key element of agitated Nutsche filter drier (ANFD) performance is the design of the agitator. This company's agitator has been refined over a 22 year period to provide very robust performance under a variety of conditions. This is achieved by a series of sharp curved blades with spaces at different centres of each arm. When the cake product is moved and lifted between the gaps within the filter drier agitator, it is displaced at a lower velocity and is subsequently swept by the second arm of the blade, thereby achieving efficient mixing by differential velocities. The company's curved agitator blades also achieve penetration into difficult cakes without undue product stress. www.powdersystems.com/pilot-and-plant-production.html



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