

Feature	CHARGE MIXING	CONTINUOUS MIXING
Flexibility	If the product variety is large, if the number of components is large	
	good	not good
Faltering production flow	Upstream or downstream production processes are frequently disrupted. The mixing plant has to be shut down and restarted frequently	
	simply unproblematic	difficult because the start-up process is complicated
Homogeneity	Proof of homogeneity, taking of mix samples for quality assurance. Decision as to whether the mixed product is released for sale or not	
	Simple and safe	difficult, only possible with the help of validated probability calculations
Productivity	The production costs per kg of mix vary considerably depending on the labour and time required.	
	More time required for filling and emptying	Easy to automate. Relatively small mixers can mix large mass flows precisely
Scaling	The production output of the mixing system must be adaptable to upstream and downstream processes	
	More complicated: Only by adjusting the batch size or multiple mixers	Relatively simple: By regulating the dosing quantities
Quality control	Medicines, dietetic foods, baby food, infant formula, hazardous substances, must be fully controlled.	
	Convenient and safe after batch testing	In-line measurements required, in conjunction with statistical test methods
Energy efficiency	Concerns the effort for product provision, product transport, dosing, mixing, ...	
	Intermittent operation requires more energy. Electrical consumers are switched on and off	Lower energy consumption with constant energy consumption
Product losses with changing mixing applications	Here, both mixing methods are equally good or equally bad. The decisive factor is the ability of the mixer to empty completely on its own	
	Depending on the mixer make	Depending on the mixer make
Product losses at the end of the mixing campaign	For poorly flowing, pasty products, it is advantageous to operate a small mixer with a high filling level. The filling level should be high enough for the mixer to clean itself	
	not very favourable	Very favourable