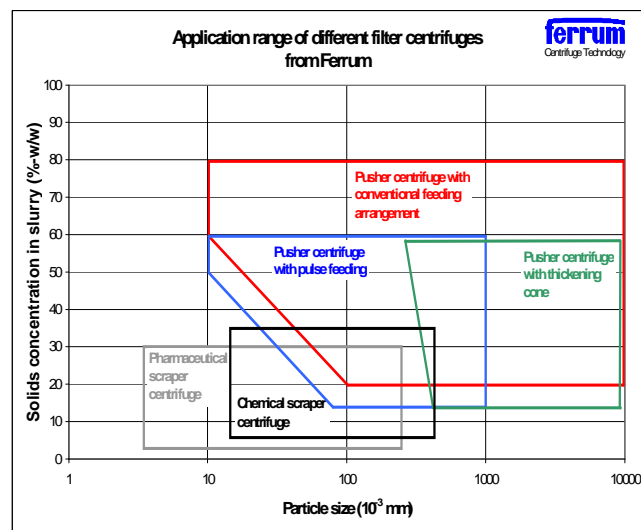


Increased operating range of pusher centrifuges using the Pulsed Feeding System

A frequent problem with the operation of pusher centrifuges is that suspension can flow over the cake (flooding). This causes the formation of canyons in the cake, leading to unbalance. In the worst case suspension flows over the whole cake to the product discharge. If the suspension characteristics cannot be changed, the only way to counteract this until now, was to reduce the centrifuge capacity.

The idea of a Pulsed Feeding System is not new, but Ferrum has now developed this further, so that the system is suitable for operation under the tough conditions in which many pusher centrifuges operate.



Features:

- Pulsed feeding synchronized with pusher frequency. Feeding only during non-critical period of the pusher cycle
- Increased throughput (up to a factor of 2) before canyon-building begins
- Pulsed feeding can be controlled to operate as and when required only
- Improved throughput for applications with fine particles sizes and/or higher viscosities
- Retrofits possible. For critical products the throughput of an existing unit may be increased