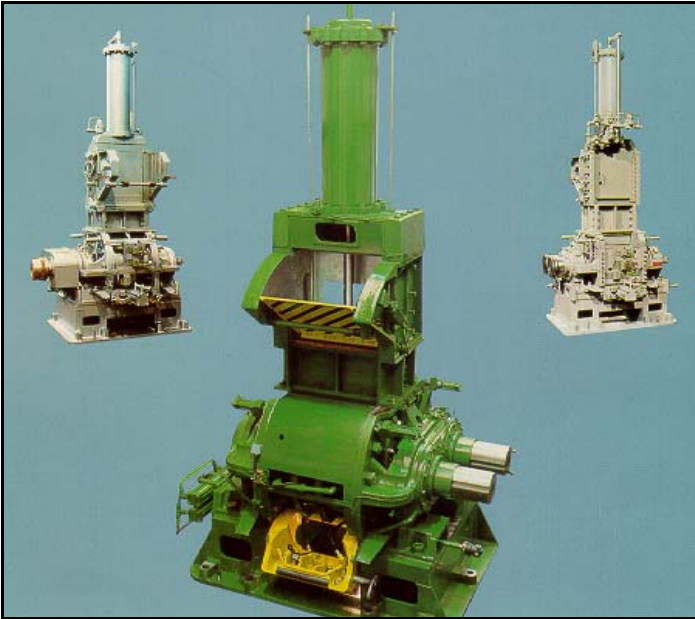




Intensive Mixers

Serving the rubber and plastics industries worldwide



Mitchell Dryers Limited has operated from its Carlisle factory site since 1859 and is a leading supplier to the world's rubber and plastics industries with a renowned reputation for quality and reliability. Our standard range of tangential rotor mixers covers laboratory equipment and production mixers up to 620 litres chamber capacity. We have the capability to re-engineer and rebuild mixers, tangential and intermeshing rotor types, from other major manufacturers worldwide, incorporating the latest modifications and materials available to increase productivity and life at an economic cost.



Drilled Sides

All new and rebuilt Mitchell Dryers Intensive Mixers are supplied with heavy duty drilled sides as standard. Manufactured in forged steel, liners are welded into rigid fabrications with the internal surfaces of the chamber hard surfaced with wear resistant materials to extend production life.

Rotors

Mitchell Dryers offer two or four wing rotors as standard in most makes and sizes of our Intensive Mixers. All rotor body sections are suitably hard surfaced to ensure maximum production life and are precision profiled to guarantee chamber capacity and the ultimate mixing efficiency.

Drop Door

The drop door is mounted on a hinge shaft running through lubricated bronze bearings in the mixer endframes. The door swings downwards and away from the mixing chamber cavity enabling the batch to be discharged cleanly and efficiently. Upon closure the door is secured by a forged steel latch or toggle assembly. The hydraulically operated drop door mixer can be supplied with a vane type rotary actuator or a double acting rack and pinion linear actuator.

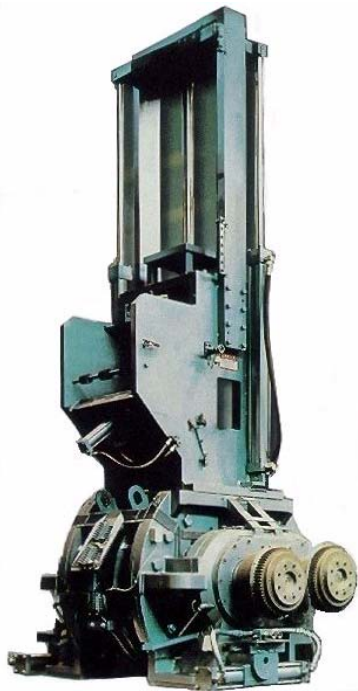
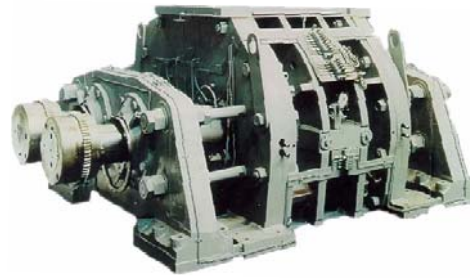
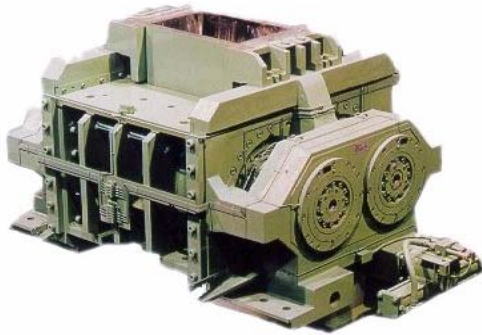
Hydraulic Dust Stops

The yoke hydraulic design dust stops use hydraulically actuated yokes to apply pressure on the sealing rings at the rotor ends. The wear ring inserts in the rotor ends are easily removed when worn and replaced with split rings.

Self-Sealing Dust Stops

Internal pressure from the batch in the mixing chamber forces the floating rings outward against the wear rings. When no internal pressure exists, heavy duty springs in the rotor collar maintain the seal between the rings.

Mitchell Dryers Limited



Built from controlled quality materials carefully selected to withstand the rigours of heavy duty compounding and engineered to maximise productivity, Mitchell Intensive Mixers minimise downtime. Our rebuilt Intensive Mixers exceed original design specifications to give you the latest advancements in mixer technology and materials for your specific requirements.



Intensive Mixer model	42L	3A 3D	S80	84L	160L	9A 9D	11A 11D	S268 270L	S3700 370L	27D 620L
Chamber Volume Litres (2 W rotors)	42	70	80	84	160	182	237	270	370	620
Nominal Capacity kg@S.G of 1.0	31	53	59	62	123	140	177	200	276	422
Motor Power kW	112 to 350	112 to 450	112 to 450	150 to 600	600 to 800	300 to 900	220 to 1500	1119 to 1500	1119 to 2240	1119 to 3730

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