



## Bench Laboratory Colloid Mill

### Features:

- ▲ Rotor and stator system designed to achieve fine and narrow particle
- ▲ Same design as DenimoTech full scale production mills
- ▲ Speed adjustment enables you to vary and optimize the particle distribution
- ▲ Able to use bitumens that normally form too coarse particle distributions
- ▲ Adjust the milling energy when blending polymer modified bitumen
- ▲ All wetted parts of the mill in stainless steel
- ▲ Compact design allows placement on regular laboratory bench

Our DenimoTech laboratory colloid mill is designed for production of regular road grade bitumen emulsion and polymer modified and industrial grades that do not require production above boiling point for water. Polymer modified bitumen can be prepared with this heated and insulated version of the unit. The small volume of the pipe system minimises the raw material need and enables production of very small samples.

This small scale system enables sample production of 500 ml for bitumen and 1500 ml for PMB. The colloid mill is the same as in the DenimoTech Research Plant and is of the same design as the DenimoTech full-scale production mills. The rotor and stator system is designed to enable achieving a fine and narrow particle distribution



## Technical information

Production capacity		1 L funnel, 500 ml sample	2 L funnel, 1500 ml sample
Motor power	kW	2.0	3.7
Rotor speed	Continuously variable, rpm	6000 - 11500	6000 - 11500
Rotor / stator gap	Variable in steps, mm	0.3	0.3
		1.2	1.2
		1.7	1.7
Dimensions	L x B x H, mm	500 x 300 x 650	500 x 300 x 650
Electrical	Voltage	3 x 380-400V, 50/60Hz	3 x 380-400V, 50/60Hz

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