



INTERMESHING MIXER



CT Intermeshing Mixer is suitable for many applications:

- Rubber and/or Plastic Blending
- Rubber with High Filler Loading Compounding
- Thermoplastic Elastomer Preparation
- Chemicals with Polymer Mixing

CT Intermeshing Mixer is a machine for melt blending that involves the intimate mixing of polymer and chemical additives or between different kinds of polymers over a wide range of shear rates, flow patterns, and temperatures. Rotor for CT Intermeshing Mixer is an intermeshing type. The intermeshing mixer is installed with a control panel which consists of main switch, start switch, stop switch, PID digital temperature controller, rotor speed adjuster with digital display, electrical overload protector, and emergency stop switch. The mixer can be connected to a torque and temperature monitoring unit with computer and its software.

ROTOR TYPE



CTEF Intermeshing Type
For All-Purpose Mixing



CTEM Intermeshing Type
For Masterbatch Mixing

Contact us for more information about CT products and services. We are keen on working with you:

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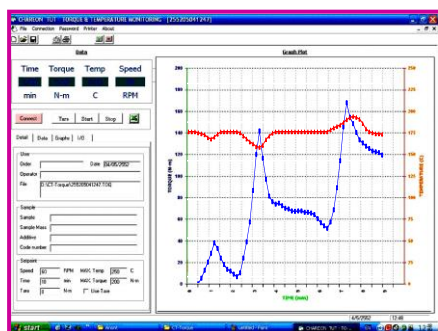
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SPECIFICATION

Chamber, rotors, drop door, and ram of CT Intermeshing Mixer are made of hardened tool steel gaining the hardness of 50 – 53 HRC to increase wear resistance, decrease stain occurrence, and decrease friction coefficient.

Model	IMX1L-TQ	IMX3L-TQ	IMX5L-TQ
Heating System	Electric Heaters Controlled by PID Digital Temperature Controller		
Cooling System	Water Cooling in Rotor Core and Chamber		
Max. Setting Temperature (°C)	300		
Free Volume of Mixer Chamber with Rotors Mounted (mL)	1,000	3,000	5,000
Speed Ratio Driven/Non Driven Rotors	1 : 1		
Adjustable Rotor Speed (rpm)	10 - 70	10 - 70	10 - 70
Suggested Charge 75% of Total at 1.0 Specific Gravity (g)	750	2,250	3,750
Main Motor (kW)	5.5	15	22
Ram Pressing Method / Batch Off Method	Pneumatic Cylinder / Drop Door with Pneumatic Cylinder		
Electrical Supply	AC 3 Phase / 380 V / 50 Hz		
Mixing Torque and Temperature Software With PC Computer	Including		

SOFTWARE



Chareon Tut - Torque and Temperature Monitoring Program (CT Torque) is the software to evaluate torque and material temperature real-time during mixing and generate data necessary to characterize the material's flow behavior. Moreover, the measured data will be saved automatically to prevent losing of data and can be printed out and exported to MS Excel file.

This effective software is for further analyzing mixing torque and processing data. In practice, it is helpful for solving processing problems in new formulations.

CT can make the mixer upon your requirements:

- Any mixing capacity can be manufactured by CT from small size used in laboratory to big size in plant.
- We can supply custom rotor design for specific application.
- We will recommend the suitable material or combination of materials for your application.