

Electrostatic Motor Capabilities

C-Motive's electrostatic machine is unlike any other motor technology on the market. No rare earths, no electrical steel, minimal copper, and designed to deliver peak efficiency and torque for a wide array of applications. Electrostatic motors can be applied in a wide range of applications and can be scaled up to 100's of kW power rating where applicable. Not all applications are the same, and not all value propositions are created equal, but electrostatic motors have the potential to be game changing for a large number of sectors. Contact C-Motive to learn more or to partner on electrostatic machines for your critical applications.

	Energy efficiency	Direct drive	Torque density	No torque ripple	Precision/cogging torque	Heat generation	Noise	Fully sealed	Lossless torque hold	Can't overheat	No liquid cooling
Fans	✓	✓					✓	✓		✓	
Marine Propulsion / Propellers	✓	✓	✓			✓		✓		✓	✓
Conveyors	✓	✓	✓	✓		✓	✓	✓		✓	
Vertical lift	✓	✓	✓	✓			✓		✓	✓	
Pumps	✓	✓	✓			✓	✓	✓			
Compressors	✓	✓	✓			✓	✓				
Wind Turbines	✓	✓	✓	✓							✓
Hydrokinetic generator	✓	✓	✓	✓				✓		✓	
Generator	✓	✓									✓
Hub motor	✓	✓	✓	✓		✓		✓		✓	✓
E-mobility	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓
Robotics/automation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Rotary tables	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
Position & hold	✓	✓	✓	✓	✓				✓	✓	✓
Hoists/Elevators	✓	✓	✓	✓		✓	✓		✓	✓	✓
Cranes	✓	✓	✓	✓		✓			✓	✓	✓
Mixing/Fermentation tanks	✓	✓	✓				✓	✓		✓	
Food/bev	✓	✓	✓			✓		✓		✓	
Electrohydraulics	✓								✓	✓	
Winches	✓		✓	✓	✓		✓	✓	✓	✓	