Mavic Wheel Technology	
	Mavic CX01 technology delivers an integrated Wheel-Tyre-System (WTS) that smooths air flow around the tyre and wheel and improves laminar airflow at every yaw angle. • Minimises turbulence at rim/tyre interface to reduce aerodynamic drag • CX01 enables Cosmic CXR wheels to deliver the lowest aerodynamic drag ever measured on a road WTS
	TgMAX technology consists in laying up several types of high technologies resins, then fixing them using a proprietary heat treatment process to achieve the highest possible resistance to braking heat. • Consistent and efficient braking whatever the climate conditions • The most reliable carbon rim, able to resist the highest abuse by the most brutal riders in the worst conditions
	The Mavic exclusive Exalith 2 technology for aluminium has been refined to provide a very high level of durability and braking performance in all weather conditions. • Braking distance shortened by 18% in wet conditions, while keeping pads wear to normal level • New special black Mavic Exalith 2 pads ensure quiet and high braking performance and longevity (delivered with the wheels)
	An exclusive Mavic patented concept. ISM 4D significantly reduces weight and inertia without compromising durability. Quicker accelerations, better handling and more resistance; the right mix to make the most of any ride. • 15% lighter rim, the lowest inertia for instant acceleration, better handling and faster climbing • Smoother rim profile offers better airflow which reduces drag for higher speed
	An exclusive Mavic patented concept, ISM 3D pushes the envelope of Inter-Spoke-Milling (ISM) one-step further by not matching the lower bridge of the rim between each spoke hole, but its sidewalls. • Up to 50 grams lighter for faster climbing • Super low inertia for quicker acceleration
	ISM (Inter Spoke Milling). An exclusive Mavic patented concept, ISM involves the matching of the lower bridge of the rim between each spoke hole to create a light and rigid rim without reducing the durability of the rim. • Up to 40 grams lighter for faster climbing • Low inertia for effortless acceleration
	FTS-L (Force Transfer System - Light) Reinforcement of key transmission components; the contact area between the pawl and the hub body is reinforced by 2 stainless steel inserts, which allows the use of a 100% aluminium body. • Greater efficiency due to better transmission of efforts on the entire wheel • Lightweight and strong hub design

	A further improved FTS (Force Transfer System) free wheel system to meet the demand of intensive MTB riding as closely as possible to make the freewheel mechanism even more hard wearing. • Strengthened pawls • Self-locking end axle screw • New seal halving friction torque
	Instant Transfer System 4 (ITS4); using 4 pawls working 2 by 2, the system provides a more dynamic ride thanks to a very fast engagement. Its versatility makes it compatible with all kinds of frame retention system. • Better energy transmission • Stiffer 17mm monobloc axle
	TS2 (Transfer System2). Using 2 pawls engaging simultaneously, this freewheel system is also fitted with an alloy monobloc axle that is light and stiff and offers multiple compatibilities. • Compatible with SRAM XD and Shimano 11 speeds (MTB) • Multiple axle compatible (9/12x135/142)
	Instead of being drilled, the lower rim bridge is pushed up on the inside, then threaded to enable the spoke nipples to be directly screwed in it, leaving the upper rim bridge intact. • Rim is 4 times more resistant to fatigue stress • 20% increase in the rim rigidity to maximize power transfer
	The spokes are laced radially on the drive side and crossedx2 on the non-drive side to maximise drive side dish, thus providing a better spoke tension balance between left and right flanges. • Higher stiffness under heavy loads for crystal clear energy transmission • Better wheel stability for better maintenance
	Rim 2 Rim (R2R). These spokes travel from one side of the rim to the other passing through the hub. Allows for better aerodynamics, lighter spokes and a stiffer wheel. • Better aerodynamics with smooth integration of the spokes (carbon) to the hub • Unidirectional carbon spokes have a greater resistance to traction • Stronger; since R2R halves the number of spokes, it cuts the risks of spoke breakage by 2
	Spoke Retention System (SRS). The hub shell slots special machining makes sure that the spoke head is imprisoned and will not pop out of the hub. The spoke still can travel in the slot, in order to let the wheel absorb some of the terrain obstacles. • No spoke ejection, even under very hard frontal hits • The wheel stays vertically compliant

	QRM (Qualite de Roulements Mavic). Mavic only uses high quality sealed cartridge bearings. On QRM wheels, they feature double sealing (2RS or LLU) together with tight C3 internal clearance. • High efficiency thanks to low play and tight tolerances • High durability
	QRM+ (Qualite de Roulements Mavic+). Cartridge bearing are doubled sealed with C3 internal clearance and features a micro-adjustability system. • Tight tolerances for high quality efficiency • Quick adjustment according to performance goals; precision “free” adjustment for maximum fluidity, or perfect high precision setting for all-weather rides
	QRM (Qualite de Roulements Mavic Super Light). The super light bearings are designed having in mind the QRM strict specifications. The matching hub axles are machined within extremely narrow tolerances, then one by one adjusted with very high precision when assembled. • Up to 12% lighter than QRM+ system • Tight tolerances for optimised rolling efficiency
	A specific aluminium alloy that provides spokes with higher stiffness-to-weight ratio while being stronger. • Lighter spokes for easier climbing • Stiffer spokes for better energy transmission • Stronger spokes for increased durability
	Exclusive to Mavic, this specific aluminium alloy offers a higher strength to weight ratio than conventional 6016 alloy. • 30% more resistant rims • Lighter rims
	Soude Usine Process (SUP). After bending, the rim joint is arc welded. The welded seam is then milled for a smooth finish. • Extremely strong rim joint • Eliminates shuddering when breaking • Superior wheel balance
	Usine Brut Control (UB Control). The braking surfaces are precisely CNC machined. • Improves braking friction • Eliminates shuddering when braking

	H2 – Hammer Hardening. Local strengthening of the rim in the area where the spokes exert the greatest stress. • Improves rim's life expectancy • Resistance to micro cracking