






Twin Gear Juicers – Overall Comparison Chart

	Description	Original Invention - Heavy Duty (HD) Twin Gear Juicers	Smaller Imitation - Reduced Size Twin Gear Juicers	% Difference	Comments
Motor Quality 	Power of Motor	190 W	150 W	26.67% higher	Higher wattage results in less strain on the motor, and increases the durability and longevity of the motor
	Rotational Speed	110 rpm	160 rpm	31.25% lower	Lower rotational speed contributes less oxidation and heating of juice. It also contributes to motor longevity.
	Cooling Fan	Yes	No	–	Cooling fan is a crucial feature, which prevents the motor from overheating.
	Reduction Gear	Thick 12 mm	Thin 8 mm	50% thicker	Thicker reduction gears are stronger and last longer.
Twin Gear Juicing Capacity 	Weight	762 g	395 g	92.91% heavier	Heavier gear results in a stronger, and firmer juicing action.
	Diameter	60 mm	44 mm	36.36% larger	Bigger diameter gears provide more triturating capacity per cycle.
	Circumference	188 mm	138 mm	36.23% larger	Greater circumference provides more triturating capacity per cycle.
	Length	135 mm	113 mm	19.47% longer	Longer gears hold more pulp for increased juicing efficiency.
Squeezing chamber 	Squeezing Chamber Volume	95 cm ³	34 cm ³	171.43% larger	Larger squeezing chamber volume allows for more pulp to be squeezed for a longer amount of time, which increases the total amount of juice obtained from produce.
Straining Screen 	Straining Screen Surface Area	40 cm ²	16 cm ²	150% larger	Larger screen surface area increases the efficiency of straining the pulp, and allows for more produce to be juiced before clogging.
Twin Gear Housing 	Plastic Housing	Heavy & Thick	Light & Thin	–	High quality materials and design increase durability and reliability.