

LENSES FOR CO₂ LASER CUTTING SYSTEMS

**THERMACUT OFFERS HIGH
QUALITY LENSES, PRODUCED
TO OEM SPECIFICATIONS
AND COMPATIBLE WITH
ALL MAJOR OEM SYSTEMS.**



COMPATIBILITY FOR YOUR LASER CUTTING SYSTEM

Thermacut lenses are compatible with all major laser systems in the market. Our optics are manufactured by automated CNC technology and designed for highest durability and accuracy, assuring complete uniformity, repeatability and consistency. These state-of-the-art manufacturing standards and technology result in the highest precision and best quality products.

BENEFITS OF LOW ABSORPTION LENSES

As laser energy passes through a focusing lens, a percentage of that energy is absorbed into the lens substrate as heat. For a standard (AR coated) lens, this absorption value is <0.20%. The difference between standard and Thermacut Ultra Low lens is the coating. Low absorption coatings absorb up to 50% less energy than a standard AR coating. Lower absorption lenses will be less affected by thermal lensing and provides better focus stability. Reduced absorption rate also slows the rate of thermal breakdown and increases the life of the lens (1.5x - 2.5x).

THERMACUT PART NUMBER	MATERIAL	TYPE	COATING	DIAMETER MM	DIAMETER INCH	EDGE THICKNESS ET MM	EDGE THICKNESS ET INCH	FOCUS LENGTH FL
HG10.166/H	ZnSe	Meniscus	Standard	38.1mm	1.5"	7.4	0.291"	3.75"
HG10.167/H	ZnSe	Meniscus	Standard	38.1mm	1.5"	7.4	0.291"	5"
HG10.168/H	ZnSe	Meniscus	Standard	38.1mm	1.5"	7.4	0.291"	7.5"
HG10.169/H	ZnSe	Meniscus	Standard	38.1mm	1.5"	7.4	0.291"	9"
HG10.179/H	ZnSe	Meniscus	Standard	38.1mm	1.5"	7.4	0.291"	10"
HG10.167/HU	ZnSe	Meniscus	Ultra Low	38.1mm	1.5"	7.4	0.291"	5"
HG10.168/HU	ZnSe	Meniscus	Ultra Low	38.1mm	1.5"	7.4	0.291"	7.5"
HG10.169/HU	ZnSe	Meniscus	Ultra Low	38.1mm	1.5"	7.4	0.291"	9"
HG10.179/HU	ZnSe	Meniscus	Ultra Low	38.1mm	1.5"	7.4	0.291"	10"
HG10.730/H	ZnSe	Meniscus	Standard	38.1mm	1.5"	6	0.236"	3.75"
HG10.731/H	ZnSe	Meniscus	Standard	38.1mm	1.5"	6	0.236"	5"
HG10.732/H	ZnSe	Meniscus	Standard	38.1mm	1.5"	6	0.236"	7.5"
HG10.729/H	ZnSe	Meniscus	Standard	38.1mm	1.5"	9	0.354"	3.75"
HG10.733/H	ZnSe	Meniscus	Standard	38.1mm	1.5"	9	0.354"	5"
HG10.734/H	ZnSe	Meniscus	Standard	38.1mm	1.5"	9	0.354"	7.5"
HG10.733/HU	ZnSe	Meniscus	Ultra Low	38.1mm	1.5"	9	0.354"	5"
HG10.734/HU	ZnSe	Meniscus	Ultra Low	38.1mm	1.5"	9	0.354"	7.5"
HG10.620/H	ZnSe	Meniscus	Standard	50.8mm	2.0"	9.7	0.380"	5"
HG10.621/H	ZnSe	Meniscus	Standard	50.8mm	2.0"	9.7	0.380"	7.5"
HG10.622/H	ZnSe	Meniscus	Standard	50.8mm	2.0"	9.7	0.380"	10"
HG10.620/HU	ZnSe	Meniscus	Ultra Low	50.8mm	2.0"	9.7	0.380"	5"
HG10.621/HU	ZnSe	Meniscus	Ultra Low	50.8mm	2.0"	9.7	0.380"	7.5"
HG10.622/HU	ZnSe	Meniscus	Ultra Low	50.8mm	2.0"	9.7	0.380"	10"
HG15.002/H	ZnSe	Plano Convex	Standard	50.8mm	2.0"	9.7	0.380"	5"
HG15.003/H	ZnSe	Plano Convex	Standard	50.8mm	2.0"	9.7	0.380"	7.5"
HG15.002/HU	ZnSe	Plano Convex	Ultra Low	50.8mm	2.0"	9.7	0.380"	5"
HG15.003/HU	ZnSe	Plano Convex	Ultra Low	50.8mm	2.0"	9.7	0.380"	7.5"
HG15.001/H	ZnSe	Meniscus	Standard	27.94mm	1.1"	4.064	0.165"	5"
HG15.015/H	ZnSe	Plano Convex	Standard	38.1mm	1.5"	7.6	0.300"	5"
HG15.015/HU	ZnSe	Plano Convex	Ultra Low	38.1mm	1.5"	7.6	0.300"	5"
HG15.016/H	ZnSe	Plano Convex	Standard	38.1mm	1.5"	7.6	0.300"	7.5"
HG15.024/H	ZnSe	Plano Convex	Standard	38.1mm	1.5"	7.87	0.310"	5"
HG15.028/H	ZnSe	Plano Convex	Standard	50.8mm	2.0"	7.87	0.310"	7.5"
HG15.029/H	ZnSe	Plano Convex	Standard	50.8mm	2.0"	7.87	0.310"	5"
HG15.028/HU	ZnSe	Plano Convex	Ultra Low	50.8mm	2.0"	7.87	0.310"	7.5"
HG15.029/HU	ZnSe	Plano Convex	Ultra Low	50.8mm	2.0"	7.87	0.310"	5"
HG10.120/H	ZnSe	Meniscus	Standard	50mm	1.97"	8.9	0.350"	175mm
HG10.121/H	ZnSe	Meniscus	Standard	50mm	1.97"	8.9	0.350"	250mm
HG10.122/H	ZnSe	Meniscus with Chip	Standard	50mm	1.97"	8.9	0.350"	175mm
HG10.123/H	ZnSe	Meniscus with Chip	Standard	50mm	1.97"	8.9	0.350"	250mm
HG10.124/H	ZnSe	Meniscus	Standard	40mm	1.57"	7.5	0.295"	150mm
HG10.125/H	ZnSe	Meniscus	Standard	40mm	1.57"	7.5	0.295"	130mm
HG10.126/H	ZnSe	Meniscus	Standard	40mm	1.57"	7.5	0.295"	250mm
HG10.127/H	ZnSe	Meniscus with Chip	Standard	40mm	1.57"	7.5	0.295"	130mm
HG10.128/H	ZnSe	Meniscus with Chip	Standard	40mm	1.57"	7.5	0.295"	250mm

Other optics on request.