

200W Laser Welding Head



INN-LH020-72x3-B

Suitable for many polymer welding applications:

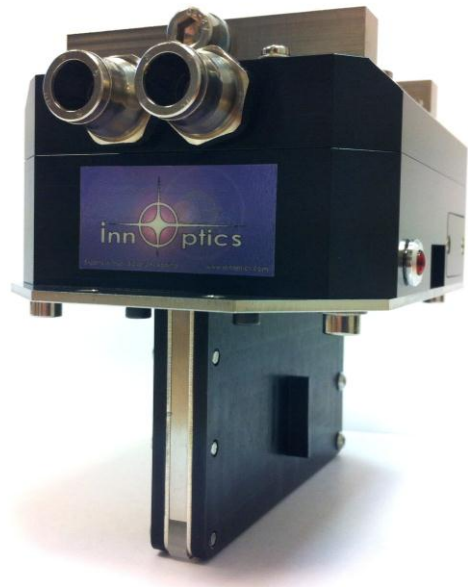
- Films (packaging, food, medical devices, ...)
- Technical textiles
- Flooring materials
- Geosynthetics

Benefits:

- Very good seam quality
- High-speed welding (up to 1 m/s)
- Repeatable welding parameters
- Continuous welding along large dimensions
- No consumables
- Versatile for any type of polymer material

Main features:

- Compact design
- Reliability
- Homogeneous power distribution



Electro-Optical Parameters	Conditions	Typical Values	Units
Center wavelength		975	nm
Center wavelength tolerance		±5	nm
Operating voltage (V_{op})	@ 100 A	8	V
Threshold current (I_{th})		14	A
Operating current (I_{op})	$P_{out}=200$ W	100	A
Power conversion efficiency	@100A	28	%
Power homogeneity along the width		+/- 5	%
Power homogeneity along the length		+/- 10	%
Thermal Parameters	MIN	MAX	
Operating temperature range	15	35	°C
Storage temperature range	5	55	°C
Water cooler temperature	18	22	°C
Water chiller	Termotek P307 or equivalent		
Coolant	Distilled water		
Mechanical Characteristics			
Laser line dimensions		3x72	mm ²
Laser head dimensions		82x140x105	mm ³
Weight		1.35	kg