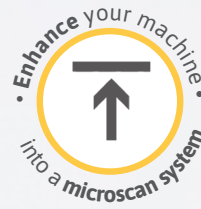


Microscan Extension MSE-G2

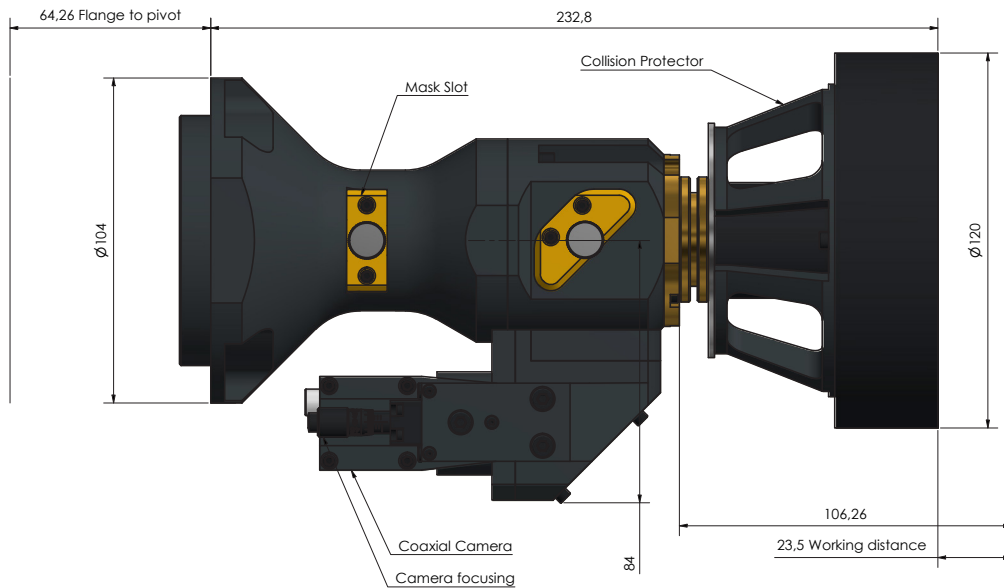
Scan lens for ultra-high resolution applications
'the 1 μ m laser knife'



Extend your laser machine with a High-NA scanning solution

With the Microscan Extension MSE, Pulsar Photonics offers a simple but powerful extension for any galvo scanning system. By simply exchanging a conventional scan lens with the MSE-G2, the user can convert his machine to a micro spot scanning system. The combination of galvanometer scanner and MSE-G2 allows high-precision processing with a focus diameter of less than 4 μ m. This enables the production of the smallest components with unmatched accuracy and level of detail. We offer the system for IR, VIS and UV wavelengths.

Technical data



- IR/VIS Version: MSE-G2 IR/VIS
- UV Version: MSE-G2 UV
- Max. Dimensions: (L x W x H): 245mm x 145mm x 120mm
- Working distance: > 20 mm (IR/VIS), > 10 mm (UV)
- Scan field size: typ. 500µm x 500µm
- Integrated coaxial camera
- Fastening thread: M85x1 (standard galvo scanner)
- Integrated collision protection
- ⚠ Only suitable for low average laser powers and pulse energies



Wavelengths

- IR (1030nm-1070nm) + VIS (515nm-532nm)
- UV (343nm-355nm)

Spot sizes (for laser beam source with $M^2 < 1.3$)

- < 4µm (IR/VIS version)
- < 2µm (IR/VIS version)
- ≤ 1.5µm (UV version)
- LIDT coating @ 355nm; 10ps: < 0.5mJ/cm²
- LIDT coating @ 532nm; 10ps: < 3mJ/cm²
- LIDT coating @ 1064nm; 10ps: < 6mJ/cm²

manufactured by

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SCANLAB and Pulsar Photonics collaborate in a sales and development partnership.