The Micromachining Laser Process Head is designed for fine cutting and welding applications. The unit accepts a wide variety of both cutting and welding optics. The modular design permits custom configurations for specific applications. Ultra-fine pitch adjustments enable precise accurate set-ups. Robust industrial design.
Low Power Laser Series

**Specifications subject to change without notice. Consult Haas Laser Technologies for Details.**

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**FCH-25-36-50-25-LA-50-QM:**
- 25mm C.A. Fine Cut Head Assembly Provision for 3-Element DL Lens Assy. ±4mm Focus Adjustment with 10µm Resolution. 

**FWH-25-34-50-25-LA-50-QM:**
- 25mm C.A. Fine Welding Head Assembly Provision for AA Double Element Lens. ±4mm Focus Adjustment with 10µm Resolution. 

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**FOCUSING OPTICS**

- 090YD-25XXX-050-GL-DCV: 3 Element DL 50mm Focus Lens Assembly
- 090YD-25XXX-060-GL-DCV: 2 Element DL 60mm Focus Lens Assembly
- 090YD-25XXX-080-GL-DCV: 2 Element DL 80mm Focus Lens Assembly
- 090YD-25XXX-100-GL-DCV: 2 Element DL 100mm Focus Lens Assembly
- 090YD-25XXX-150-GL-DCV: 2 Element DL 150mm Focus Lens Assembly

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**NOZZLE TIPS**

- T-512-020-H01: 0.5mm Nozzle Tip (Cutting)
- T-512-040-H01: 1.0mm Nozzle Tip (Cutting)
- T-512-080-H01: 2.0mm Nozzle Tip (Welding)
- T-512-120-H01: 3.0mm Nozzle Tip (Welding)
- T-512-160-H01: 4.0mm Nozzle Tip (Welding)

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**COVER GLASS**

- 13OYG-25032-XXX-FS-DYA: 25mm Cover Glass. Fused Silica.

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**LINEAR ADJUSTABLE MOUNT**

- LAM-25-25-VE-R: Linear Adjustable Translation Mount. 24mm Travel. Rotary Barrel Adjustment w/ Zeroing Scale. 0.020mm Resolution. Aluminum, Stainless Steel & Brass Construction.

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**BEAM SPLITTER**


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**BEAM SPLITTER MIRROR**

- 210YM-38064-X45-FS-DMR: 1.5" Dia. Nd:YAG Mirror

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**STRAIGHT MODULE**

- FCH-25-SA: Straight laser head mount. Connects the laser process head assembly to the fiber input adapter. Mount has tip/tilt fine pitch adjustment.

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**MONOCULAR**

- MVH-25-10XA: Monocular Viewing Head Assembly w/ 10x Adjustable Eyepiece & Centering. Includes Crosshair.

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**POSITION VIEWING**

- CAM-500: B&W CCD Camera w/ Power Supply
- MON-200: 9" B&W Monitor
- XHR-200: X-Y Cross Hair

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**FIBER INPUT OPTIONS**

- COL-25-SPI: SPI Laser Collimator Adapter

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**NOZZLE EXTENSIONS**

- FCH-25-050-NE: Nozzle Extension for 50mm Focus Lens
- FCH-25-060-NE: Nozzle Extension for 60mm Focus Lens
- FCH-25-080-NE: Nozzle Extension for 80mm Focus Lens
- FCH-25-100-NE: Nozzle Extension for 100mm Focus Lens
- FCH-25-150-NE: Nozzle Extension for 150mm Focus Lens

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**ACCESSORIES**

- OCK-50: Optic Cleaning Kit

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*See the Micromachining Laser Process Head Specification Sheet for Additional Options & Details.*