

SELECTION GUIDE

Choose for the job.

Handheld marker

Fyxfer

FY-LMM05-1

Handheld Laser Marker



01

Bring marking to the part

Consider handheld positioning for parts that are awkward to place on a desktop table.

02

Test the material

Approve a sample on the exact material, coating and color.

03

Define the mark

Share mark size, detail, position and the required cycle time.

MODEL TIP

Plan controlled access, approved laser protection and suitable extraction for every handheld marking location.

USEFUL DETAILS FOR YOUR NEXT CHECK

Part size + material + access position

| INSTALLATION CHECK

Prepare before arrival.

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01

Define a controlled work area

Have the laser-safety setup, bystander exclusion and suitable extraction assessed first.

02

Utilities & extraction

Confirm the supplied power and cooling requirements; plan suitable fume extraction.

03

Laser protection

Have qualified personnel validate guarding and safety controls before commissioning.

MODEL TIP

Reflective surfaces and nearby people must be addressed by the site laser-safety procedure.

USEFUL DETAILS FOR YOUR NEXT CHECK

Work area + material surface

| OPERATION GUIDE

Make each run repeatable.

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01

Hold the head consistently

Use the specified positioning aid and working distance; support the part securely.

02

Load the approved job

Check artwork, variable data and the material recipe before the first piece.

03

Run safely & inspect

Use approved laser safeguards and extraction; check the first mark before the batch.

MODEL TIP

Do not trigger marking until the head is positioned and the approved safety conditions are met.

USEFUL DETAILS FOR YOUR NEXT CHECK

Head positioning + sample mark

| MAINTENANCE TIPS

Keep the essentials ready.

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01

Protect the handheld assembly

Inspect the head, positioning aid and cable for impact damage or strain.

02

Protect the optics

With energy isolated, inspect accessible optics as instructed and use approved cleaning materials.

03

Check airflow

Keep ventilation clear and service extraction filters according to their instructions.

MODEL TIP

Store the head on its intended support and keep the connecting cable free of tight bends.

USEFUL DETAILS FOR YOUR NEXT CHECK

Head and cable condition

TROUBLESHOOTING

Find the cause first.

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01

Mark varies with hand position

Check head angle, working distance and surface stability before changing the recipe.

02

Weak or patchy mark

Check focus, accessible optics and the recipe for the actual material.

03

Alarm or no marking

Record the fault and check normal ready status. Never bypass safety controls.

MODEL TIP

Compare marks on a stable test piece; stop for cable damage, a loose head or persistent alarms.

USEFUL DETAILS FOR YOUR NEXT CHECK

Mark photo + head angle

APPLICATION TIPS

Get more from the setup.

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01

Use a locating aid

A suitable guide or fixture can help repeat placement on similar large parts.

02

Time the complete cycle

Include loading, positioning, marking and checking, not just laser time.

03

Keep a reference sample

Compare results after a material, fixture, lens or recipe change.

MODEL TIP

Validate placement and mark quality across repeated positions before marking valuable workpieces.

USEFUL DETAILS FOR YOUR NEXT CHECK

Repeated-part dimensions