

| SELECTION GUIDE

Choose for the job.

Integrated desktop marker

Fyxfer

FY-LMM02

Desktop Laser Marker



01

Match the desktop layout

Confirm bench space, part clearance and the desired laser-source configuration.

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

Fiber, MOPA, UV and CO2 choices depend on the application and supplied configuration; approve a real sample.

USEFUL DETAILS FOR YOUR NEXT CHECK

Material + marking area + daily volume

INSTALLATION CHECK

Prepare before arrival.

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01

Use a suitable bench

Support the complete unit and workpieces; allow cable, ventilation and operator access.

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

Plan the protective enclosure or other engineered laser controls before production use.

USEFUL DETAILS FOR YOUR NEXT CHECK

Bench size + power supply

| OPERATION GUIDE

Make each run repeatable.

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01

Set the part height

Seat the workpiece securely and set working distance using the machine procedure.

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

The position guide helps alignment; follow the specified focus procedure for the fitted lens.

USEFUL DETAILS FOR YOUR NEXT CHECK

First-piece mark photo

MAINTENANCE TIPS

Keep the essentials ready.

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01

Check the height mechanism

Keep the column and locating surfaces clean; inspect securing points as instructed.

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

Check external ventilation and extraction even if the laser source itself needs little routine service.

USEFUL DETAILS FOR YOUR NEXT CHECK

Height mechanism + service log

TROUBLESHOOTING

Find the cause first.

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01

Focus changes between parts

Check workpiece thickness, fixture seating and height adjustment before altering power.

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

If the material grade or coating changes, verify the sample again using the correct recipe.

USEFUL DETAILS FOR YOUR NEXT CHECK

Material batch + focus setting

APPLICATION TIPS

Get more from the setup.

Integrated desktop marker



01

Make setup repeatable

Save the recipe and a photo of the part position for each recurring job.

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

Compare complete cycle time and the percentage of accepted marks when evaluating an upgrade.

USEFUL DETAILS FOR YOUR NEXT CHECK

Current job mix + cycle time