

SELECTION GUIDE

Choose for the job.

Flying / online marker

Fyxfer

FY-LMM04

Flying Laser Marker



01

Start with line conditions

Specify material, line speed, product spacing and the available marking window.

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

Laser scan speed is not the same as production-line speed; judge output using a complete line trial.

USEFUL DETAILS FOR YOUR NEXT CHECK

Material + line speed + product spacing

| INSTALLATION CHECK

Prepare before arrival.

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01

Integrate trigger & motion

Have the trigger sensor and configured speed or encoder input commissioned with the line.

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

Confirm laser type, cooling and line interfaces from the actual order; the pictured setup includes a separate chiller.

USEFUL DETAILS FOR YOUR NEXT CHECK

Line layout + trigger interface

| OPERATION GUIDE

Make each run repeatable.

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01

Prove the timing

Use the approved trigger mode and test mark position across the expected speed range.

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

Check code content, legibility and position on consecutive products before releasing the batch.

USEFUL DETAILS FOR YOUR NEXT CHECK

Consecutive marked samples

| MAINTENANCE TIPS

Keep the essentials ready.

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01

Inspect sensing & cooling

Keep trigger sensing clear and service the fitted cooling system 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

Log trigger faults and coolant or temperature alarms so recurring interruptions are easier to diagnose.

USEFUL DETAILS FOR YOUR NEXT CHECK

Cooling alarms + sensor history

TROUBLESHOOTING

Find the cause first.

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01

Shifted or stretched mark

Check speed input, trigger timing and product spacing before altering the artwork.

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

Missing or duplicate codes may involve trigger settings or spacing; record the line speed and sensor status.

USEFUL DETAILS FOR YOUR NEXT CHECK

Mark photo + speed + trigger status

APPLICATION TIPS

Get more from the setup.

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01

Test the real production range

Validate startup, normal running and speed changes using actual products.

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

Save the approved sensor position, delay and motion settings with the product recipe.

USEFUL DETAILS FOR YOUR NEXT CHECK

Minimum / normal / maximum line speed