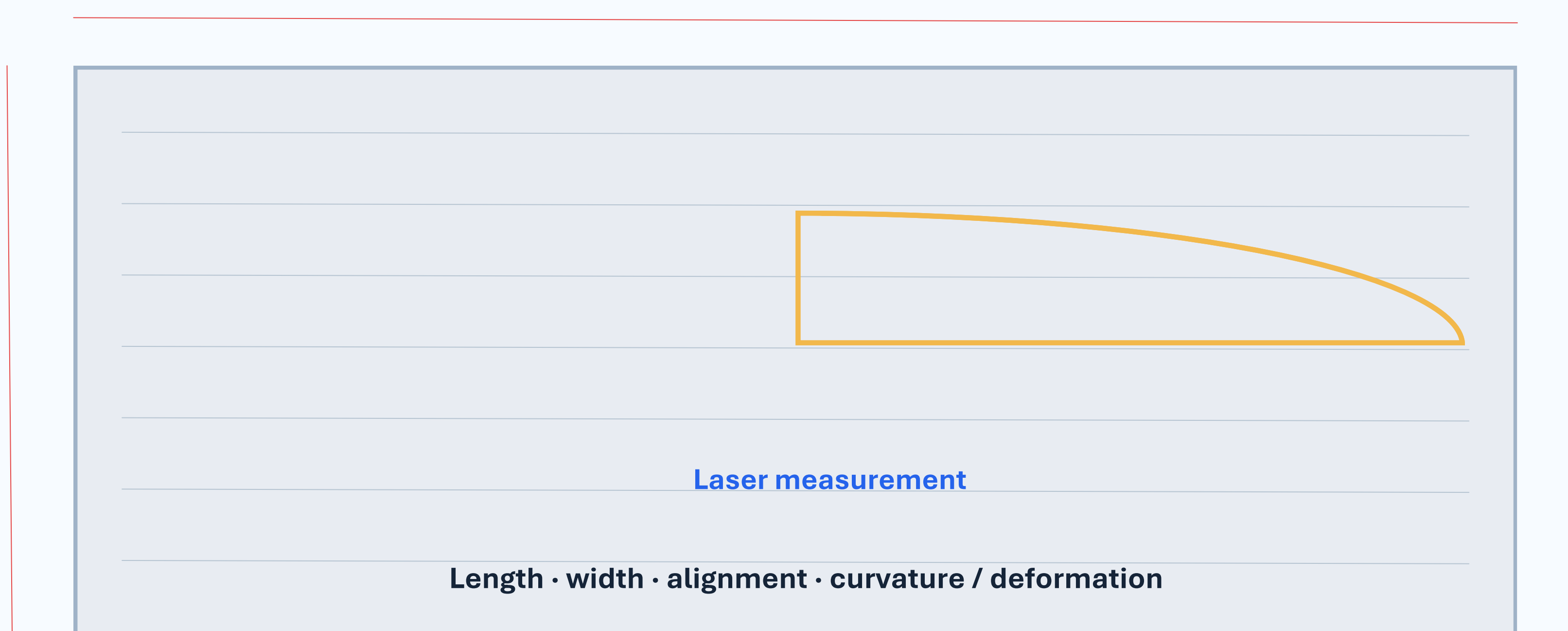


LASER DIMENSIONAL INSPECTION

Automated dimensional inspection for finished blinds

A laser-based MCM system that replaces time-consuming manual checks with repeatable measurement of dimensions, alignment and product geometry.



Production challenge

The manufacturer relied on manual quality checks to verify finished blinds. Measuring length, width, alignment, sewing-related geometry and possible deformation consumed valuable quality-team time and made consistent inspection across many products more difficult.

MCM solution

MCM developed a laser-based dimensional inspection system tailored to the product. The system automatically acquires the relevant geometry, compares the measured values with the configured tolerances and provides a clear final pass/fail decision.

TECHNOLOGIES USED

Laser Measurement

3D / Geometry

Automated Inspection

Pass / Fail

Talk to an MCM engineer

Tell us what must be inspected or tested. MCM can review the application and define the most robust approach for your production conditions.

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Scan to contact MCM
on WhatsApp

COMMERCIAL CASE STUDY

From production challenge to repeatable quality decision

The system concept, test coverage and final acceptance criteria are tailored to the product, process and production environment.

What the system checks

- Overall length
- Overall width
- Alignment and geometry
- Curvature / deformation
- Dimensional deviations
- Configurable acceptance limits

Customer value

- Less manual measurement time
- Repeatable dimensional inspection
- Consistent acceptance criteria
- Faster finished-product verification
- Clear automated pass / fail decision
- Digital measurement results for quality follow-up

Typical MCM project path

Sample / requirements → Feasibility → Engineering → Build & FAT → Installation → Support

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