



Most robot deployments ship unqualified. The cell lands on your floor as a science project, and the line gets tied up for months while integrators debug motion, grippers, and edge cases in production. Safety sign-off becomes the long pole: the safety engineer cannot approve what has not been proven, so the cell sits idle, exposing people and the line to risk no one has characterized.

Relling does the slow engineering at HQ. Every cell is built and qualified against your parts and cycle before it leaves the building, and it arrives with a complete safety dossier: risk assessment, FMEA, guarding design, and capability data. On-site we run a 72-hour supervised acceptance watch, so the cell is proven under load before your safety engineer signs.

AT A GLANCE

Footprint	~2 × 2 m
Payload	12.5 kg
Reach	1.3 m
Placement	±0.05 mm
Power	Single-phase
Install	≤ 2 weeks

## 01 The work we take on

THE TASK PROFILE

<p><b>A</b></p> <p><b>Qualified off-site</b></p> <p>Each cell is built, run, and qualified at Relling HQ against your real parts and cycle times before it ever ships to your floor.</p>	<p><b>B</b></p> <p><b>Safety dossier</b></p> <p>The cell arrives with a complete document set: risk assessment, FMEA, guarding layout, light-curtain calculations, and capability data, ready for review.</p>	<p><b>C</b></p> <p><b>Standards aligned</b></p> <p>Risk assessment follows ISO 12100; cell and integration are aligned to ISO 10218 and RIA R15.06, the basis your safety engineer already trusts.</p>	<p><b>D</b></p> <p><b>Proven under load</b></p> <p>A 72-hour supervised acceptance watch runs the cell at production rate on-site, surfacing real faults before the line depends on it.</p>	<p><b>E</b></p> <p><b>On-premise data</b></p> <p>All capability, process, and acceptance data stays on your network. Nothing about your parts or process leaves the building.</p>
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## 02 Why now

THE CASE FOR MOVING NOW

<p><b>Deployments die in commissioning</b></p> <p>Unqualified cells turn your floor into a debugging lab. Months of integration on live production stall the line and burn the goodwill the project needed to succeed. Relling moves that work off your floor and into HQ.</p>	<p><b>Safety is the long pole</b></p> <p>No safety engineer signs off on an unproven cell, and they should not have to. A complete dossier plus a 72-hour proof under load gives them the evidence to approve quickly and defend the decision.</p>	<p><b>Liability and uptime</b></p> <p>An uncharacterized cell is a liability to people and to schedule. Proving the cell before sign-off protects your operators, your safety engineer's signature, and the uptime the line was bought to deliver.</p>
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OEMS WE WORK WITH



### 03 What the service covers

TASKS ON THE LINE

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| <p><b>A HQ pre-build</b><br/>Cell assembled and run-in at Relling HQ against your parts before shipment.</p> <hr/> <p><b>C FMEA</b><br/>Failure modes and effects analysis covering motion, gripping, and fault recovery.</p> <hr/> <p><b>E Standards mapping</b><br/>Integration mapped to ISO 10218 and RIA R15.06 clause by clause.</p> <hr/> <p><b>G 72-hr watch</b><br/>Supervised acceptance watch at production rate before the cell is released.</p> | <p><b>B Risk assessment</b><br/>ISO 12100 hazard identification and risk reduction documented for the full cell.</p> <hr/> <p><b>D Guarding design</b><br/>Fixed guards, light curtains, and safety distances designed and verified to standard.</p> <hr/> <p><b>F Capability data</b><br/>Process and capability data captured at HQ and re-verified on your floor.</p> <hr/> <p><b>H Sign-off support</b><br/>Dossier and on-site engineers support your safety engineer through final sign-off.</p> |
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WHAT A CELL HOLDS

**≤ 2 wk**

Install to running on your floor, not months of integration

**±0.05 mm**

In-hand placement for fit- and safety-critical parts

**100%**

Inspection on every part — checked, not sampled

Representative configuration. Final specs are issued with the proposal.

### 04 Working with us

FROM YOUR PART TO A QUALIFIED CELL, IN ~TWO WEEKS ON-SITE

A · SCOPE & PO

**We start with your part**

We work from your part, volumes, takt, and the line you'd deploy on. A short scoping engagement confirms fit, defines acceptance criteria, and puts a fixed scope and price in writing — capital purchase and robotics-as-a-service, side by side.

C · ON-SITE CONFIGURATION

**It arrives pre-built**

The qualified cell shows up ready. On-site work is tuning, not assembly: under two weeks to integrate with your line, MES/ERP, and safety, followed by a supervised run on real product.

B · PRE-BUILD AT RELLING HQ

**We build & qualify it first**

We build the cell on our own production floor and run it against your parts until it meets the acceptance criteria. The trial-and-error happens here, not on your line — so what ships is already proven.

D · ACCEPTANCE & FIRST UNIT

**Proven, then handed over**

We run supervised until your safety engineer signs off and the cell hits its numbers. Your technicians operate it day to day; maintenance and software updates are covered.

### 05 Let's talk

We started Relling to help this country make more of what it needs. If you have a task that's hard to staff or hard to automate, send it over — we'll tell you straight whether a cell fits, and scope it if it does.

Talk to us: [jai.relan@rellingsystems.com](mailto:jai.relan@rellingsystems.com) · [rellingsystems.com](http://rellingsystems.com)

EXCEPTIONAL ENGINEERING, TEAM FROM

