

This assessment is intended to reveal whether workholding decisions are supporting your production strategy ... or quietly limiting it. The results can help determine when executive-level alignment is required to unlock additional capacity.

HOW OFTEN DO YOU EXPERIENCE THE FOLLOWING CHALLENGES?

0 = Never **1 = Rarely** **2 = Occasionally** **3 = Frequently** **4 = Almost Always** **5 = Always**

1. CURRENT PRODUCTION REALITY

- _____ New part designs require retooling or fixture rebuilds
- _____ Changeover/setup time slows down production
- _____ Sequence dictated by fixture limitations, not optimal workflow
- _____ Welders modify fixtures to “make it work”
- _____ Operators struggle with ergonomics or access
- _____ We experience bottlenecks caused by inconsistent workholding
- _____ Dedicated fixtures become obsolete before ROI is achieved
- _____ We don’t currently use fixtures (score will be multiplied X2)

_____ **SUBTOTAL**

2. IMPACT ON METRICS

- _____ Low operator factor (“Arc-on Time”) per piece/cycle
- _____ Too much Non-Value-Added Activity (NVAA) per piece/cycle
- _____ Low welding speed due to out-of-position welding
- _____ Scrap/rework rate too high
- _____ Throughput below expectations
- _____ Unbalanced production between operations causes waiting time
- _____ Direct labor hours spent waiting on changeover
- _____ Inspection delays
- _____ WIP accumulation occupying floor space

_____ **SUBTOTAL**

3. CROSS-FUNCTIONAL ALIGNMENT

- _____ Engineering, operations, quality, and production do not share a unified workholding strategy.
- _____ Workholding isn’t part of capital planning.
- _____ Workholding constraints aren’t discussed at the executive level.
- _____ There isn’t a well-defined process for evaluating part revisions.
- _____ No on-site engineers , or engineering workload prohibits internal fixture design.
- _____ Fixture decisions are made by one department; not holistically.

_____ **SUBTOTAL**

TOTAL SCORE

_____ **TOTAL OF SECTIONS 1, 2 AND 3**

How did your scores add up?

- 0–25: Tactical issue**
May be handled at the engineering level
- 25–45: Operational constraint**
Requires multi-department coordination
- 46+: Strategic constraint**
Executive review strongly recommended

If your score indicates a strategic-level constraint, you may benefit from an executive-level discovery session. This is a 45-60 minute session where Bluco helps leadership quantify the financial and operational impact of potential engineering gaps, and to evaluate the appropriateness of an engagement to produce a full BluPrint® Systems Report.