

**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?

- 0–20: Tactical issue**  
May be handled at the engineering level
- 21–40: Operational constraint**  
Requires multi-department coordination
- 41–60: 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.*