

THE COST OF DOING NOTHING

This comparison outlines how today's workholding decisions are likely to impact operational performance over the next 12 months – both if the status quo is maintained and if a modular solution is introduced.

AREA OF IMPACT	TODAY	IN 12 MONTHS: STATUS QUO	IN 12 MONTHS: WITH MODULAR SOLUTION
 Capacity Utilization	- Time lost to fixture setup and changeover - Output varies between operators and shifts	DELAYS & LIMITS	CONSISTENCY & SCALABILITY
		- Usable capacity erodes as part mix & variability grow - Work gets delayed as backlog grows - Throughput is capped, so work is outsourced or additional capital spent	- Faster setups & changeovers unlock hidden capacity - Consistency across operators & shifts due to modular precision & repeatability - Growth absorbed without adding equipment or floor space
 Labor Allocation	- Fixture setup & weld sequencing depend on operator - Manual setup and adjustment required – operators use tape measures and chalk lines	RISK & INEFFICIENCY	STANDARDIZATION & FLEXIBILITY
		- Higher operational risk due to retirements, turnover, or role change - Long onboarding time for new operators - More supervision required to maintain consistency	- Setups are standardized, repeatable, and easy to learn - Less reliance on tribal knowledge - Faster operator ramp-up with less supervision required
 Quoting Confidence	- Quoting includes conservative buffers to manage setup uncertainty & quality inconsistency - Risk is priced into every estimate	DECREASED CONFIDENCE	INCREASED CONFIDENCE
		- Buffers increase as variability compounds - Quotes less competitive or less accurate - Margin volatility persists	- Setup times and fixturing outcomes become predictable - Tighter quotes with higher confidence - Improved margin reliability without added risk
 Part Quality	- Fixture variability leads to dimensional drift & rework - Quality maintained through inspection instead of prevention	QUALITY RISK INCREASES	QUALITY LOCKED IN
		- Quality risk increases as part complexity & volume rise - More rework & excess scrap	- Repeatable, rigid setups hold parts consistently throughout the weld sequence - Quality checks are engineered into process - Lower rework and inspection burden
OVERALL COST OF INACTION	Inefficiencies are absorbed as part of day-to-day operations	HIGHER COST	LOWER COST
		- Profit lost as small inefficiencies accumulate into material cost - Indirect losses caused by delayed work, excess labor, & additional QC	- Inefficiencies identified & addressed instead of being absorbed - Financial exposure reduced by stabilizing capacity, labor & quality - Costs are visible, attributable & manageable

Engineering Gaps are places where efficiency and resources leak out uncontrolled. The sooner the gaps are bridged, the better the outcome. BluPrint® allows us to work together to develop your roadmap to success.