



Flowing to Excellence: Continuous Flow Unleashes Success in Medical Device Manufacturing

The Challenge

Faced with the need to double production capacity without expanding resources, this medical device manufacturer leveraged Lean principles to transform their processes, reduce waste, and achieve remarkable growth with the guidance of Lean Management Systems.

Objectives

The primary goals were to maximize clean room utilization, streamline end-to-end processes to enhance cash flow, and boost productivity to strengthen competitiveness and support growth. Additionally, this initiative provided an opportunity to build internal capabilities for problem-solving, process redesign, and the development of a robust daily management system.



Methodology

- **Waste Reduction:** Redesigned processes to minimize unnecessary motion, transportation, and defect rates, laying a foundation for efficiency.
- **One-Piece Flow:** Balanced workloads to takt time to optimize workflow and eliminate bottlenecks.
- **Standardized Work:** Developed clear, repeatable standards supported by cross-training and rotation to maintain consistent quality and adaptability.

RESULTS

Throughput Time

90%

From 50 days to 1 day

Reducing work-in-process has created a safer work environment and lowered defect rates.

Productivity

50%

From 3.37 to 6.33 products/labor hr.

Operators focus on value-added tasks at a sustainable pace and drive continuous improvement.

Floor Space Utilization

75%

From 1,500 to 375 square feet

Freed-up space supports doubling the capacity of this production line and introducing new products.

Testimonial

"Didier's expertise, professionalism, and ability to coach leaders and teams have had a lasting impact on our organization. His collaborative and tailored approach not only delivered measurable results but also empowered our team to sustain and build upon these improvements" – President, CEO

Conclusion

Through Lean transformation, this medical device manufacturer not only achieved immediate efficiency gains but also established a robust framework for sustained growth, innovation, and competitiveness.

