Abel®

Automate your manufacturing floor

Simple, customised solution delivers real-time information to drive lower costs and more efficient production

aspect PRODUCTIVITY TECHNOLOGY®

Our association with Aspect Productivity Technology

Abel Software and Aspect Productivity Technology teamed up to help high-volume manufacturers further streamline their factory processes. Like Abel, Aspect Productivity Technology is a New Zealand-owned business that provides easy-to-use, affordable and flexible software solutions with a strong customer focus and local support.

As a leading provider of MES solutions, Aspect Productivity Technology has been helping manufacturers improve productivity and build business growth since 2009. The Auckland-based company has more than 60 customer sites throughout Australasia and has been actively working with Abel's customers since 2021.

Key Metrics

10% to 15%
average increase in machine productivity

Reduce scheduling time by up to 65%

Reduce weekly reporting time by up to 80%

Metrics provided by Aspect Productivity Technology, May 2023

Introducing AspectPL   +

Discrete manufacturers rely on high volumes of data to measure and manage productivity and profitability. But in manual planning and production systems, that data is often unavailable or outdated – leading to longer cycle times, quality issues, costly downtime and waste.

AspectPL provides an affordable, easy-to-use solution that replaces inaccurate processes and gives you real manufacturing control. Using proven manufacturing execution system (MES) software, AspectPL digitises the factory floor by interfacing with machinery to collect data at each manufacturing moment. This real-time data allows users to monitor machine performance and adjust production schedules on the fly.

AspectPL also links the factory floor seamlessly with the ERP system, enabling you to streamline your scheduling and production workflows. Together, Abel and AspectPL deliver powerful and comprehensive automation to control your manufacturing processes and improve productivity and quality.

Optimal performance   User-friendly visibility   Seamless ERP integration

Benefits   +

> 01 Optimal performance
With AspectPL's automated data collection, you have full production visibility and real-time reporting, including live data on critical KPIs like machine availability, cycle speed, completion times and other OEE (Overall Equipment Effectiveness) metrics. All of which will help you create standard working practices, benchmark progress, measure performance and promote a culture of operational excellence.

> 02 User-friendly visibility
AspectPL features a range of user-friendly interfaces – graphical dashboards, large factory monitors, customised screens and mobile apps – to display live data designed for the decision-making needs of users on the production floor and management team.

> 03 Seamless ERP integration
Work orders are automatically exported from Abel into AspectPL for scheduling and production control without the need to re-key production orders. Aspect sends the work order schedule dates to Abel during the manufacturing process, providing visibility at the Abel end. On completion, production data is seamlessly integrated back to Abel. AspectPL also manages complex data from Abel, including multi-level BOMs, product dependencies, alternative routings, families and multiple classes of products.

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