



Panasonic

AUTOMATED SUPPLY CHAIN

Integrated solutions from
factory to retail floor



We build efficiency
into every process

Improving the way things are made, shipped, ordered and sold

At Panasonic, we've been connecting people, processes and technology for nearly 100 years. Nowhere is this experience more evident than in our automated supply chain solutions.

It all starts in today's smart, connected factory, where our innovations enable machines to talk to each other, not just across the line but across the enterprise and cloud. From there, intelligent logistics solutions help ensure products, packages and people reach their destinations as efficiently as possible. And finally, in stores and restaurants, our end-to-end solutions streamline everyday operations and enhance each interaction with the customer.

One strategic vendor, many solutions

See how you can benefit from our breadth and depth of knowledge, including:

- Total manufacturing solutions from a company with 100,000+ installations – you focus on your business, we manage your production challenges
- Leadership in rugged devices for mobile workers, providing real-time visibility into the flow of goods
- Retail innovations and connected restaurant solutions that are changing the way these industries do business



Major auto and phone makers,
leading shipping companies and
top quick service restaurants
increase efficiency with Panasonic.

Help your business run like a well-oiled machine

The smarter factory

Through automation advances and end-to-end connectivity, we've transformed the factory into a lean, agile and integrated ecosystem. At the heart of it is PanaCIM®, our manufacturing execution system software, which ties together best-in-class equipment from Panasonic and 40+ complementary partners, as well as ERP systems. With cloud-level integration, you can easily automate processes across your entire operation and control every aspect of electronics production.

Any mix, any volume

Our holistic Any Mix, Any Volume approach lets us maximize efficiency on any line, with turnkey solutions fit to you. These include application engineering, process consulting, material management, asset maintenance, laser robotics and much more. From the Tier 1 manufacturer bringing production back from overseas to the small facility looking to speed up changeovers, we have everything customers need.



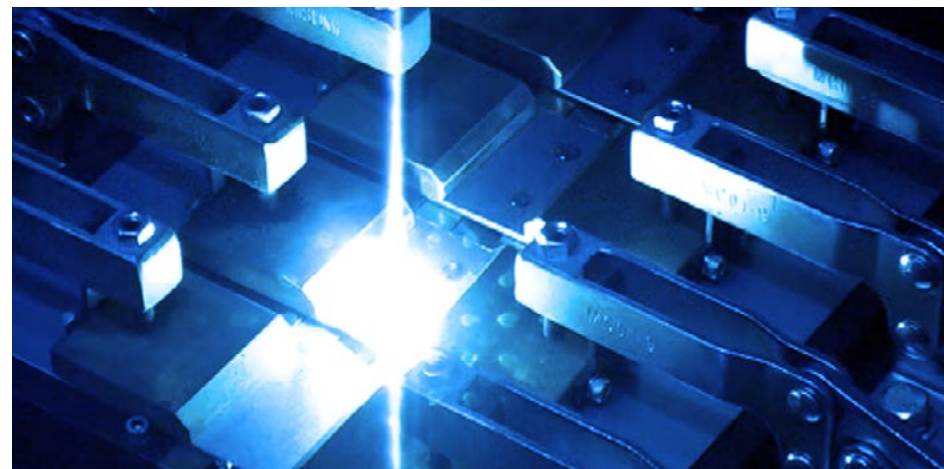
Getting it from here to there

Today, mobile technology is the key to streamlining the movement of goods up and down the supply chain. Whether it's tracking containers from ship to rail, scanning boxes at a loading dock, or handling baggage at the airport, our devices are purpose-built for your mobile workers.

That means we don't just give you a Toughbook, we give you an entire solution – deployment services, engineering support, custom configurations. Need rugged? Our powerful, highly secure machines can take extreme heat, cold, vibration or a dunk in the mud. In fact, our new glove-enabled tablets can withstand temperatures from -60° to 145°, so information keeps flowing under even the worst of conditions.

Intelligent warehouse insights

What if you could pinpoint warehouse interruptions, damage and losses in minutes rather than hours? With our leading-edge solution – which uses bar code scanning, video surveillance and other technologies – you can access instant visual intelligence on the movement of packages, parts and assets throughout your premises and beyond.



+ Keeping truckers in the loop

Haulers can decrease fuel costs through intelligent route planning and reduce delivery errors with digital bills of lading that track and report cargo status in real time. Advanced electronic logs even help ensure drivers get the rest they need. As a result, major trucking carriers are using our road-tested Toughbook devices to extend digital workflows into every cab.



5X LOWER FAILURE RATE

in Toughbook devices annually compared to the industry average

Revolutionizing retail and food service

A better in-store experience

Now more than ever, technology is vital to keep a retail operation thriving. With our real-time, mobile computing solutions, you can ensure the right products are on shelves and speed up service through line-busting.

Using our advanced video surveillance solutions, you can help fine-tune employee performance and monitor the success of merchandising campaigns. You can even ensure your messaging targets the right demographics at the right time – by combining our digital signage with intelligent video monitoring that analyzes customers for gender and age.

Next-generation innovations

- Looking to provide additional product info or offers on the spot? Our LinkRay tech does just that by using LED light sources to emit digital signals readable by smartphones.
- Log jams at checkout? We're testing a new RFID-enabled robotic checkout system that will simultaneously scan and bag all items in a basket at once.

The connected restaurant

To meet the needs of today's demanding restaurant environments, we offer end-to-end solutions for customer engagement, operational efficiency and back office management. With top-quality equipment and powerful software, consulting and services, we can create highly tailored solutions on a global, regional or local level.

Here are just a few ways we can give you a competitive edge:

- Digital menu boards, integrated with POS software, let you swap out items based on inventory, time of day or traffic.
- Glass advertisements in windows use projection technology to enable rapid, automated message changes to entice customers – no more static clings.
- Back-office software keeps management and employees in sync by providing real-time metrics on daily operations.
- Self-order kiosks in QSRs and table-side restaurants lift transaction value by 20-30%.

We've even extended our PanaCIM software to QSRs, laying the groundwork for a more automated restaurant at the front and back of house.

An industry first for Ford

With our time-saving Smart Service Kiosk pilot, Ford owners can quickly pick up and drop off keys, select services and pay 24/7 outside the dealership.



> Technologies that move us toward a better life and world

At Panasonic, we anticipate the future, innovate continuously and integrate disruptive technologies into breakthrough solutions for our customers. Our goal? Create technologies that move us toward a better life and a better world. We provide integrated solutions in these four areas:

Integrated Supply Chain solutions that bring intelligence and insight to how products are made, shipped and sold

A Connected World that meets today's information, connectivity and transportation needs

Immersive Experiences that turn live events into unforgettable, personalized experiences

Sustainable Energy that advances eco technologies and transforms industries

Learn how Panasonic can help move your supply chain forward.

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