



CYIENT

DESIGNED LED MANUFACTURING: AN INTEGRATED APPROACH TO MANUFACTURING

Manufacturing with an emphasis on cost efficiency, quality,
and speed-to-market

Cyient: Your Integrated Manufacturing Partner

Cyient, a leading provider of global solutions, delivers Design Led Manufacturing (DLM) using an integrated manufacturing approach. We support the entire product life cycle from concept through manufacturing and beyond. Our engineers not only design products to specifications but also consider potential challenges that could occur during the manufacturing stage.

Cyient Benefits

With Cyient as your value-added partner for both design and manufacturing services, you can:

- avoid costly manufacturing challenges with our obsolescence management services
- reduce product costs with our value engineering recommendations that result in more efficient designs, components, and production processes
- benefit from seamless transition from the design phase to the manufacturing phase

We also take complete ownership of the process from the development and manufacturing phases, which ensures accountability. With our extensive knowledge and experience with various design and manufacturing processes, we have adopted best practices for design for excellence (DFX). Cyient's focus is on reducing costs, improving quality and reliability, while decreasing time-to-market. We utilize a proactive approach to obsolescence management, taking extra steps during the design phase to ensure that there are no delays during the manufacturing process.

Cyient identifies components by performing risk analysis of the electronic component life cycle. We identify alternate and interchangeable BOMs, stockpile parts for future production, and avoid out of stock, allocation, or costly last time buy situations. We avoid redesigns and provide multi-sourcing options that proactively help with design decisions.

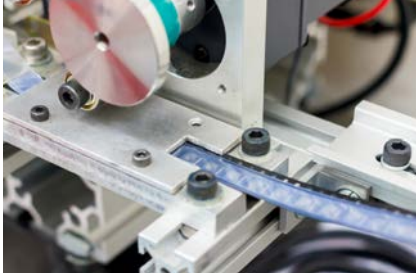
We understand the criticality of getting your product to market quickly. Cyient focuses on the quality of the products in addition to the speed-to-market, so that your new product introduction (NPI) is a success.

Services

We handle all aspects of design and manufacturing such as:

- Software design and development
- Hardware design and development
- Mechanical design and development
- Test engineering
- Verification and validation
- Certification
- Quick-turn prototypes
- Electronic manufacturing
- Mechanical manufacturing
- Product manufacturing





Electronic Manufacturing

Our world-class electronic manufacturing facilities manufacture designs such as:

- PC board assemblies
- Complex wire and cable harnesses
- Product assemblies (box build)

Utilizing both surface mount technology (SMT) and plated through hole boards (PTH), we are equipped to handle an array of mixed technology products.

Our various methods of soldering are:

- Wave soldering
- Convection reflow
- Vapor phase reflow
- Robotic soldering
- Selective soldering

We offer various PCBA processing techniques such as conformal coating (silicone rubber, polyurethane, acrylic, or epoxy), potting (thermo-setting plastics or silicone rubber gels), and sputtering (metals or carbon).

Cyient offers a broad range of manual and automated testing and inspection services with advanced testing capabilities. We have dedicated rework and repair stations, and our team is certified to IPC-7711/21 standards.

Mechanical Manufacturing

We offer high-precision machining and castings, creating complex mechanical components and assemblies. Managed by our skilled workforce, we are experts in machining complicated parts, produced with our state-of-the-art equipment and facilities. Our range of manufacturing equipment includes:

- CNC milling and turning
- Jig boring
- Precision grinding/polishing
- Advanced metrology labs
- 3D printing (metal and plastic)
- EDM (wire and plunge)

Our mechanical manufacturing processes yield precision machining capable of 10 microns tolerances. We have a full range of qualifications and capabilities including chrome plating, anodizing, and hardness testing.

Cyient has experience producing over 30,000 types of parts for global OEMs from various alloys including:

- Aluminum
- Titanium
- Magnesium
- Inconel
- Nimonic





Inventory Management

We offer different methods for inventory management including vendor-managed inventory (VMI). We can take full responsibility for maintaining your desired level of inventory with proximity warehousing for fast delivery. We also drop ship direct to your end-customer.

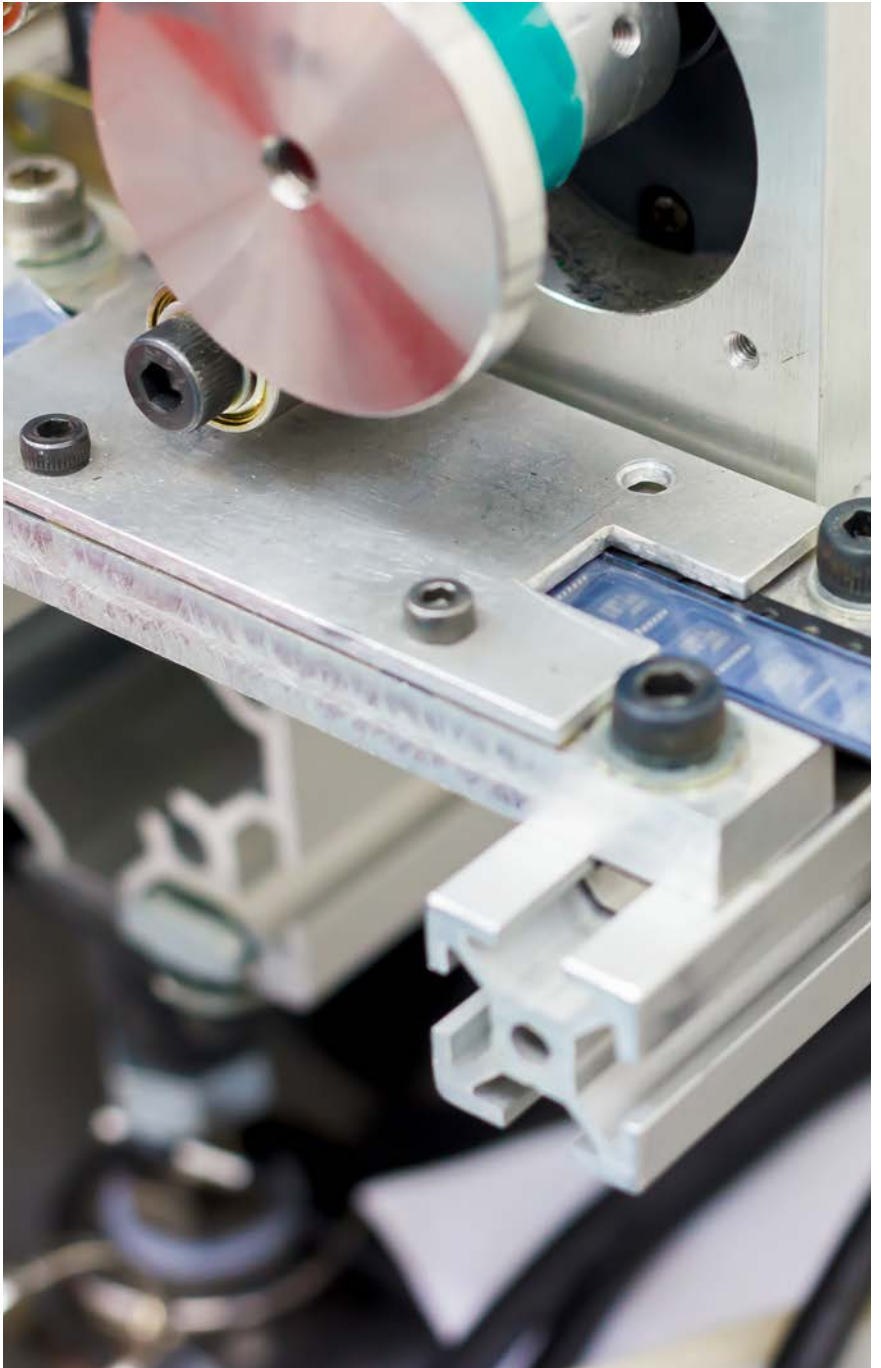
Credentials

All of our assemblies are as per J-STD-001E, conforming to IPC 610 E Class III/II standards. We are RoHS, WEEE, REACH, CE, and ErP compliant. Cyient personnel are trained in J-STD-001D, IPC-A-610, and IPC-7711/21 standards.

Our additional certifications include:

- ISO-9001:2008 (organizational quality)
- AS9100-C (aerospace industry)
- Nadcap accredited (special processes for aerospace)
- Industrial license to manufacture defense equipment and assemblies
- IRIS (transportation industry)
- ISO 13485 (medical industry)
- ISO 14001 (environmental management)
- OHSAS 18001

We are the first EMS provider in India to obtain AS9100-C aerospace certification.



About Cyient

Cyient (Estd: 1991, NSE: CYIENT) provides engineering, manufacturing, geospatial, network and operations management services to global industry leaders. We leverage the power of digital technology and advanced analytics capabilities, along with domain knowledge and technical expertise, to solve complex business problems. As a Design, Build and Maintain partner, we take solution ownership across the value chain to help our clients focus on their core, innovate, and stay ahead of the curve.

Relationships lie at the heart of how we work. With nearly 14,000 employees in 21 countries, we partner with clients to operate as part of their extended team, in ways that best suit their organization's culture and requirements. Our industry focus spans aerospace and defense, medical, telecommunications, rail transportation, semiconductor, utilities, industrial, energy and natural resources.

For more information, please visit www.cyient.com.

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