

PHONOTRONICA

Next-Generation EMS

Precision electronics manufacturing services for long-life products.



ASSEMBLING THE FUTURE

WHY PHONOTRONICA

We turn complexity into stable, reliable production.

Where others see obstacles, we overcome them through proactivity and reliability.

- **Expert-Led Tooling & Production:** Leverage our **in-house tool shop**, where best-in-class experts solve your toughest challenges and create custom solutions for a smooth transition to stable serial production.
- **High-Speed Execution:** We excel where competitors fail, ensuring **100% on-time delivery** through operational flexibility, turning urgent deadlines into guaranteed results.
- **Immediate Leadership Support:** Eliminate bottlenecks with **direct access** to our **top management** for your critical requests and strategic decisions.
- **Quality Beyond Certificates:** Our commitment goes deeper than paperwork, with rigorous **quality control** embedded in every single production stage.

RELIABLE EMS CAPABILITIES

Turning designs into stable production.



DFM & Feasibility

- Layout review
- Components verification
- Engineering-driven DFM feedback
- Feasibility assessment



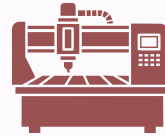
MANUFACTURING PROCESS DESIGN

- Individual customer approach
- Flexible machine configurations
- Precision Procurement
- Custom Tooling (fixtures, frames, assembly jigs)



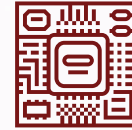
LASER ENGRAVING

- Project-specific solutions
- Full production traceability



SMT ASSEMBLY

- High-speed SMT assembly - from 030015 to 40x50 mm components, up to 250K cph
- 100% automated inspection 3D SPI & 3D AOI



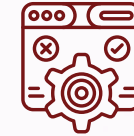
THT AUTOMATIC SOLDERING

- Advanced THT selective soldering
- Flexible production
- Custom specialized equipment



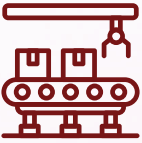
MANUAL ASSEMBLY

- Product-dedicated assembly lines



TESTING

- ICT & Functional testing



On-time delivery


- Real-time KPI monitoring
- Continual improvement



IN-HOUSE TOOL SHOP

Purpose-built tooling

Smooth ramp-up

Complex problem-solving 

Phonotronica - new functionality in place



Foundation & Revolutionary Inventions

⚙️ Nationwide Automatic Dialing Device

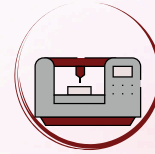
- Direct dialing nationwide
- Eliminated manual call routing
- Faster, private, reliable communication

⚙️ Smart Tariff Switch

- Real-time tariff control for households & industry
- Ultra-precise timing (<1 sec deviation)
- Accurate, fair, tamper-proof billing

⚙️ Smart Street Lighting Controller

- Automated lighting based on sunrise/sunset
- Up to 75% lower costs
- Stable accuracy, unaffected by environment



Early Development of Modern Production Lines

- New 3200 m² production facility within a 10,000 sqm plant
- First SMT line, soldering process
- Functional testing for OEM products
- Tool shop with CNC machines
- Mastering Complex Electronics Manufacturing



Next-generation EMS

- IATF 16949 certification
- Customized ERP integration
- Full production traceability
- Continuous investments - new automated laser engraving and selective soldering machines

Market Expansion
&
Continuous Improvement

1990s

2004

2013

2017

2024





Today

OUR STRATEGIC FOUNDATION

Mission

To guarantee lasting product performance through bespoke manufacturing and expert tooling, driven by hands-on leadership and a commitment to quality at every stage.

Values

-  A tailored approach to customer requirements.
-  Innovative automation and tooling solutions.
-  Consistent reliability at every stage of production.
-  Long-term partnerships focused on customer success.

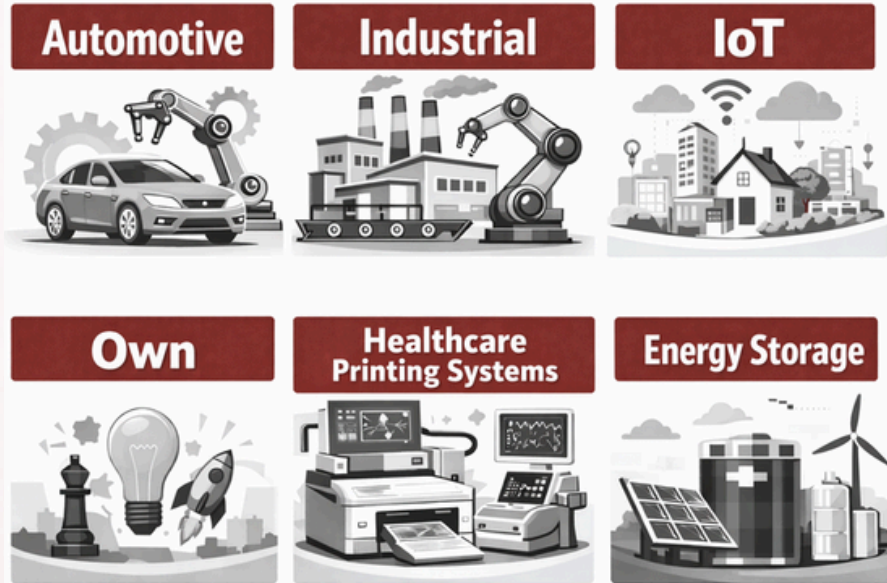
Vision

To shape manufacturing where product life and reliability matter as much as on-time delivery.



CERTIFIED FOR DEMANDING INDUSTRIES

Real quality commitment.



- IATF 16949
- ISO 9001:2015
- IPC-A-610 (class 2&3)



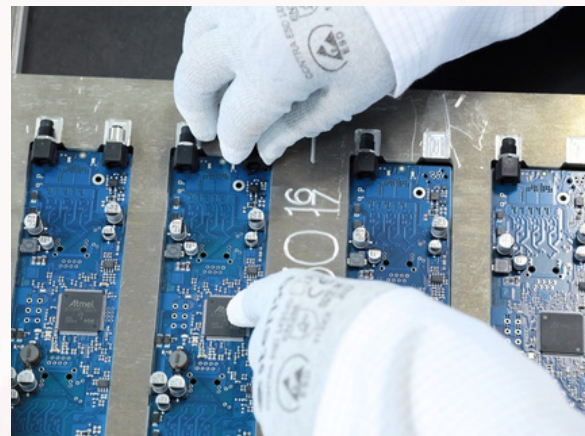
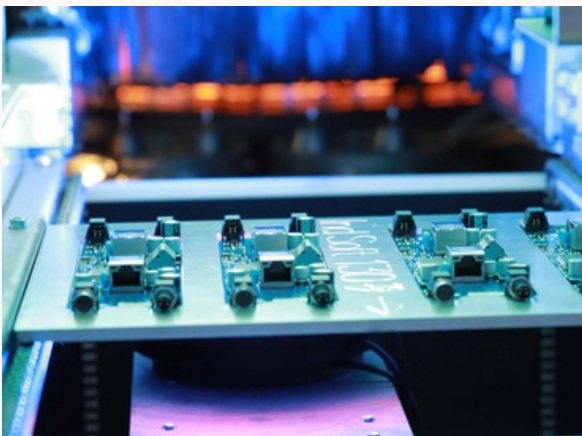
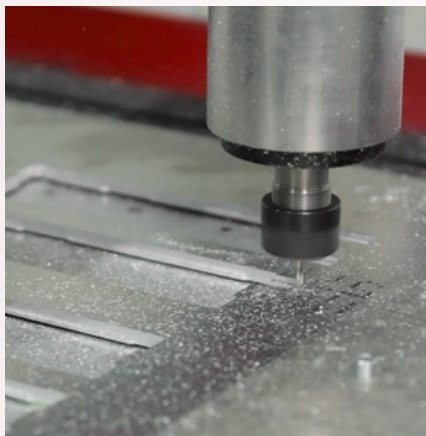
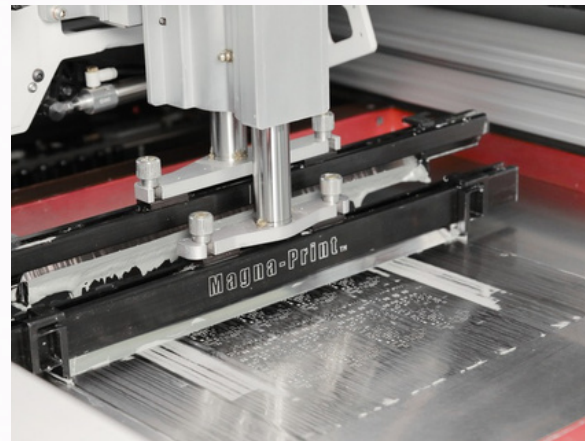
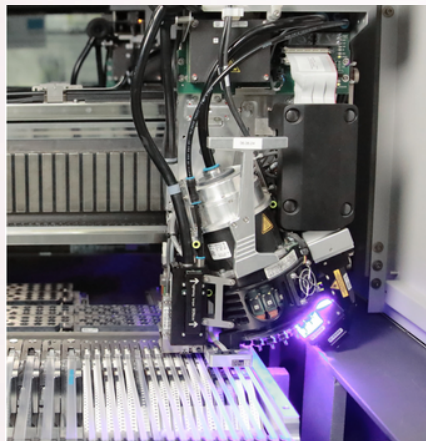
Consistent quality management applied across every production stage.

PROACTIVE QUALITY

- **Daily QRQC**
Immediate response, fast escalation, GENBA validated on the shopfloor.
- **Addressing the root cause, not quick fixes**
Structured analysis (FTA) for permanent solutions.
- **Zero Defects approach**
APQP applied across all processes.
- **DFM-driven production**
Internal standards ensuring manufacturability from early project stage.
- **Problem prevention at project stage**
FMEA analysis during all projects stages.



STATE-OF-THE-ART SOLUTIONS IN PLACE



PLANT & LOCATION



 108 Andrey Lyapchev blvd, 1712 Sofia, Bulgaria

- Strategic European location
- 3,200 sqm building within a 10,000 sqm plant
- Room to scale
- 15 min to highway | 10 min to airport

CUSTOMERS PORTFOLIO

Proven process development for controlled serial production.



YOUR GOAL IS OUR MISSION

We adopt your objectives as our own.
By achieving the nearly impossible, we
build partnerships that keep you ahead.

Let's start a conversation about
your next project.

 **Connect to begin**

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