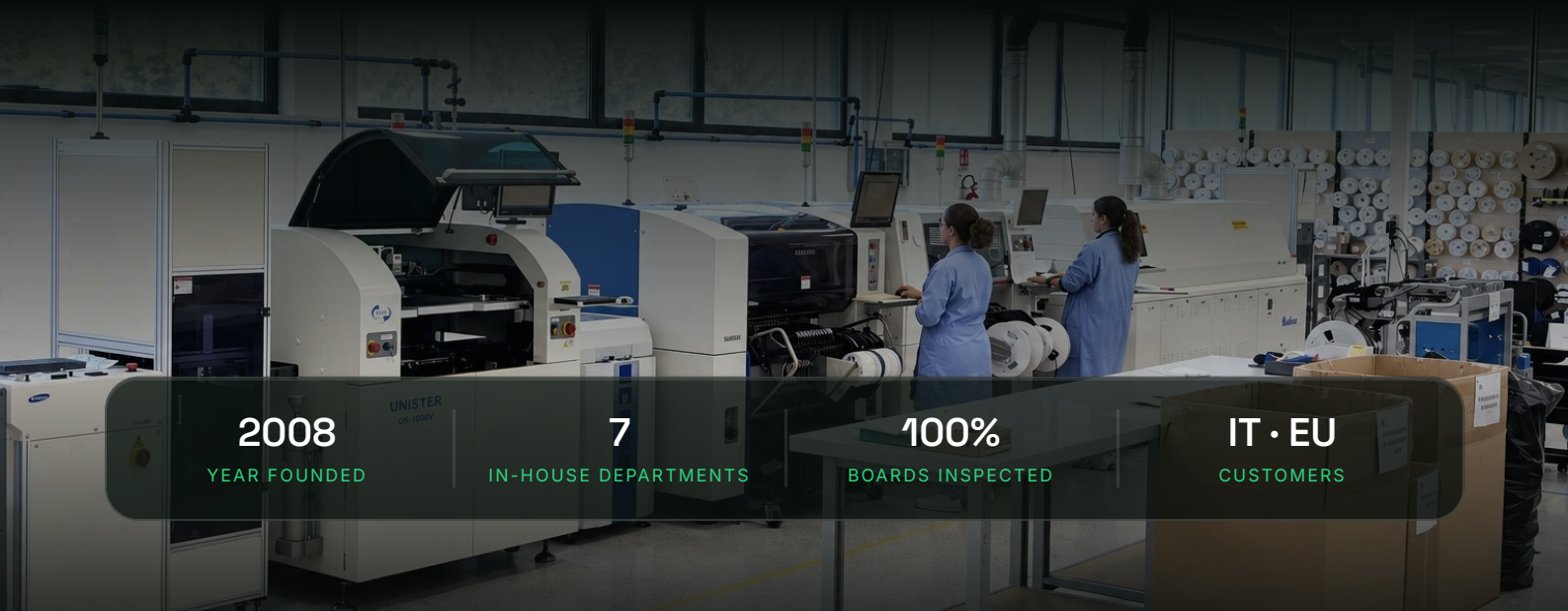




COMPANY PROFILE · 2026 EDITION

Contract assembly and testing of electronic boards

Electronic Manufacturing Services since 2008. SMT line, through-hole, machine soldering, manual processes, inspection, testing and packaging: all in-house, in Acquaviva Picena, Italy.



2008

YEAR FOUNDED

7

IN-HOUSE DEPARTMENTS

100%

BOARDS INSPECTED

IT · EU

CUSTOMERS

THE COMPANY

A company specialised in electronics manufacturing

DGM Elettronica S.r.l. was founded in 2008 by **Debora Merli** and **Gianpiero Capriotti** in the industrial area of Acquaviva Picena, in the province of Ascoli Piceno, Italy.

From the outset the business has focused on EMS (Electronic Manufacturing Services): assembly and testing of electronic boards on behalf of client companies.

The plant has been expanded twice, in 2013 and in 2019. The approach has stayed the same: a company sized to keep direct control of every order and an ongoing relationship with each customer.

Today we work for Italian and European customers in a range of sectors, with batches from prototypes to recurring production.



Headquarters, Via E. Fermi 5 — Zona Industriale

2008

YEAR FOUNDED

7PRODUCTION
DEPARTMENTS**12**

PEOPLE

9

SECTORS SERVED

100%

BOARDS INSPECTED

Our history, in four milestones

2008**Founded**

Manual assembly and soldering of electronic boards.

Manual processes

2013**First expansion**

Through-hole assembly and machine soldering are added.

PTH · Soldering

2019**Second expansion**

A larger production department and a latest-generation SMT line.

SMT line

Today**Complete cycle in-house**

Seven departments, from goods-in to shipping.

Italy and Europe

WORKING PRINCIPLES

The criteria behind our work



Meeting deadlines

Agreed delivery dates are a contractual commitment. Issues that could affect lead times are reported straight away, not after the delivery date.



Technical transparency

Issues found in a design are reported before series production. Anything outside our capabilities is declared as such.



A lasting relationship

Every order has the same contact person, who knows the product and its progress and can be reached directly.

ORGANISATION

A lean structure, quick decisions

Twelve people: two founding partners and ten staff. The company is managed directly by the partners, each responsible for one area. No intermediate levels: every order is followed by management.



Debora Merli

FOUNDER AND OWNER

Coordinates production and order progress, from the SMT line to testing. Handles purchasing, administration and sales relations.

- Order planning and progress
- SMT line · Manual processes
- Quality control · Testing
- Packaging
- Purchasing and administration



Gianpiero Capriotti

FOUNDING PARTNER — COMPANY REPRESENTATIVE

Shares the representation of the company with customers and suppliers. Personally runs the through-hole department, the warehouse and the upkeep of the plant and equipment.

- PTH assembly
- Machine soldering
- Warehouse and goods-in
- Shipping and direct deliveries
- Plant and equipment maintenance



Quality system

Staff function reporting to management: procedures, handling of non-conformities and the ISO 9001 certification path.



External professionals

Accountant, health and safety officer (RSPP), occupational physician.



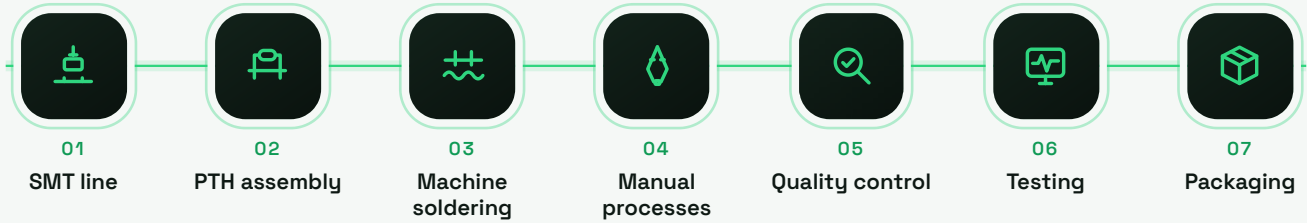
Plant visits

By appointment, at our premises in Acquaviva Picena (AP), Italy.

PRODUCTION FACILITIES

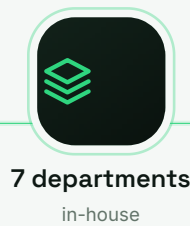
Seven departments, one production flow

The plant follows each board from goods-in to shipping, without outsourcing any stage.



WHAT WE NEED

- Gerber files of the PCB
- Bill of materials (BOM)
- Placement data (pick and place)
- Quantities and required lead times
- Components consigned by the customer or procured jointly



WHAT WE DELIVER

- Assembled and inspected boards
- Tested to the agreed procedure
- Packed in anti-static material
- In trays or kits for the customer's line
- Finished product, if the order requires it

Automated SMT line

Solder paste printing, automatic placement and reflow oven.

PTH and machine soldering

Through-hole assembly and soldering with controlled process settings.

Manual processes

Special components, wiring and mechanical assembly by trained staff.

Inspection, testing, packaging

Visual inspection, functional testing and anti-static packing.



Why everything in-house. Keeping the whole cycle in-house means short throughput times and clear responsibility if a non-conformity arises: whoever assembled the board is a few metres from whoever inspects it.

Why work with us



Complete cycle in-house

From goods-in to shipping: no stage is outsourced.



One contact per order

Knows the product and its progress, and can be reached directly.



Reply within a day

Every request is answered by the next working day.



Confidentiality

Customers' designs and files are never published; NDA on request.

DEPARTMENTS · 01-03

From the SMT line to soldering

01 SMT DEPARTMENT

Surface-mount assembly

The heart of our production. The line automatically places SMD components using the placement data supplied with the design: solder paste printing through a dedicated stencil, automatic placement and reflow in an oven with a thermal profile set for the type of assembly.

TECHNOLOGY
Surface mount (SMD)

SOLDER PASTE
Dedicated stencil for each board

REFLOW
Oven with a defined thermal profile

VOLUMES
From prototypes to recurring production



02 PTH DEPARTMENT

Through-hole assembly

The leads pass through the printed circuit board and are soldered on the opposite side. It is needed where surface mounting is not enough — transformers, relays, power connectors, large electrolytics, terminal blocks — and, on low-density boards or small batches, it often reduces the overall cost compared with an all-SMD solution.

PREPARATION
Lead cutting and bending

EQUIPMENT
Machines for axial and radial components

TYPICAL COMPONENTS
Connectors, transformers, relays, electrolytics

STRENGTHS
Mechanical strength, power, reparability



03 MACHINE SOLDERING

Automated soldering of through-hole components

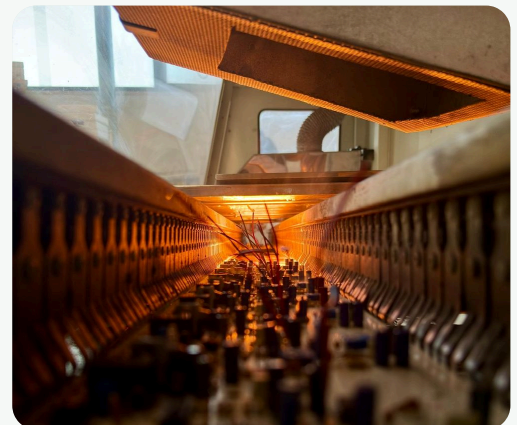
The stage that turns a mechanical assembly into a reliable electrical connection, consistent across every unit in the batch. The machines work on all-PTH boards and on mixed boards, with the SMD components already reflowed in the SMT department.

PROCESS
Soldering with controlled settings

BOARDS
PTH and mixed SMT + PTH

RESULT
Repeatability across the whole batch

ALTERNATIVE
Hand soldering for special work



From manual assembly to shipping

04 MANUAL PROCESSES

Manual assembly

Non-standard components, small batches and everything that cannot be automated or is not worth automating: wiring, cable harnesses, heat sinks, brackets, mechanical parts and the finished product.

INSERTION	Special components
WIRING	Cable harnesses, crimping
ASSEMBLY	Mechanical and finished product

05 QUALITY CONTROL

Visual inspection of the boards

Staff trained on the product check solder joints, presence and orientation of components and correspondence with the bill of materials. Knowing a board's weak points means catching an anomaly before it reaches the customer.

COVERAGE	Every board produced
CHECKS	Solder joints, polarity, position
STANDARD	IPC-A-610 criteria

06 TESTING AREA

Functional testing

Boards are powered up and verified according to the procedure agreed in the quotation, on the customer's test benches or with methods defined together. No unit leaves without passing the required test.

TYPE	Functional testing
PROCEDURE	Agreed with the customer
OUTCOME	Non-conforming units set aside and reported

07 PACKAGING AND LOGISTICS

Packaging and shipping

Anti-static material, impact protection, packed individually, in groups, in trays or in kits for the customer's line. In the same area: the warehouse for incoming materials and finished products, with every movement recorded.

PROTECTION	Anti-static material (ESD)
PACKAGING	To the customer's specification
SHIPPING	Within the order lead time



Materials warehouse and shipping area

SERVICES

From prototypes to recurring production

All our work is carried out to the customer's specifications: from the assembled board alone to the finished product. There is no standard minimum batch: batch size is assessed on the product.

01

Prototypes

Small quantities to validate the design, with any issues found during assembly reported.

02

Pre-series

The step to series production: set-ups, test procedures and packaging fine-tuned.

03

Recurring production

Scheduled batches with set-ups ready and established procedures: optimised lead times and costs.

Scope of supply

Single processes or the complete cycle.



SMT assembly

Automated line: the most efficient solution for high-density boards and recurring volumes.



Through-hole (PTH) assembly

Insertion and machine soldering; mixed boards pass through the two departments in sequence.



Manual processes and wiring

Special components, cable harnesses, mechanical parts to the customer's drawings.



Inspection and functional testing

Every board inspected and tested to the agreed procedure.



Packaging and finished product

Anti-static packing and, if required, complete assembly with enclosure and accessories.

SMT OR PTH?

Surface mounting is not always the most cost-effective solution. Through-hole is still required for connectors, transformers and power components and, on low-density boards or small batches, it often costs less: cheaper components, no dedicated stencil, simpler set-up.

Choosing the technology is part of the assessment before the quotation.

Supply of materials

Components can be consigned by the customer or procured jointly: this is defined in the quotation, before the order starts.

From request for quotation to delivery

01

Sending the data

Gerber, bill of materials, placement, quantities.

02

Feasibility review

Manufacturability checked, issues reported.

03

Quotation

Costs, lead times and supply of materials.

04

Set-up and production

Machines set up, agreed processes carried out.

05

Delivery

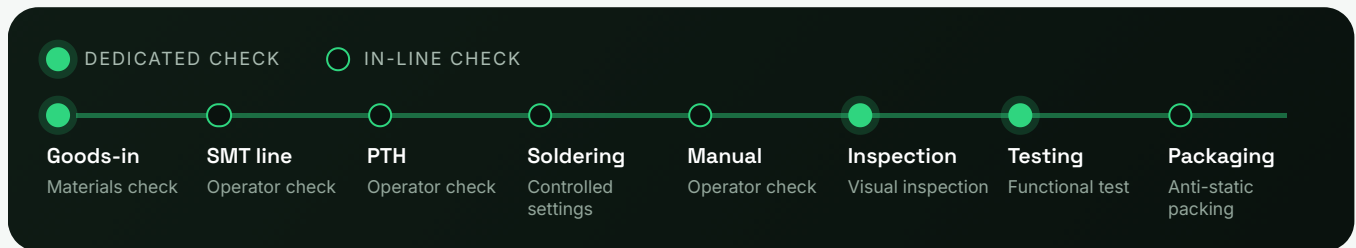
Packed and shipped on time.

QUALITY SYSTEM

Inspection is part of the process

An anomaly found at the end of the cycle is a cost; the same one caught straight after soldering is useful information. That is why checks are spread along the whole process.

Operators check the result of every operation, quality control inspects the finished boards and the testing area verifies that they work. If an anomaly occurs, production stops and the causes are analysed before continuing.



Visual inspection
On every board, by staff trained on the product.

Functional testing
To the procedure agreed with the customer.

Incoming materials
Quantities and match of PCBs and components.

Order records
Materials used and operations performed, for every order.

Reference standards

The status shown is the actual one: we prefer to state it clearly, in case your specification requires these standards.

STANDARD	HOW WE APPLY IT	STATUS
RoHS Restriction of hazardous substances	Compliant processes, solder alloys and components; material declarations available on request.	Applied ●●●
IPC-A-610 Acceptability criteria	Reference for inspecting solder joints and assemblies; staff certification planned.	Adopted reference ●●○
REACH Chemical substances	Requirements met; supplier declarations being collected.	In progress ●○○
ISO 9001 Quality management system	Not yet obtained: the procedures already applied are being formalised.	Process started ●○○
ISO 45001 · 14001 Safety and environment	To follow the quality system certification.	Under evaluation ○○○

RoHS declarations for materials and order records available on request.

MARKETS

Sectors served

Contract manufacturing spans many industries: processes and checks adapt to the requirements of each market, the process stays the same.

**Industrial automation**

Control boards, drives and control panels for machinery, plants and production lines.

**LED lighting**

Drivers, power supplies and control boards for professional, architectural and emergency lighting.

**Home automation and security**

Control units, sensors and actuators for building management, access control and alarms.

**Household appliances**

Control boards, display modules and power boards for appliances made in series.

**Telecommunications**

Communication modules and boards for network equipment.

**Instrumentation**

Measuring instruments, data acquisition and laboratory equipment.

**Wellness**

Personal wellness equipment and activity monitoring.

**Musical instruments**

Digital instruments, amplification and audio effects.

**Automotive and vehicles**

Modules and boards for vehicles, with attention to the mechanical strength of solder joints.



Sector not listed? What matters is whether the board is compatible with our processes, not the industry it is for. Type of testing, sensitive components and packaging are defined at the start and kept the same for later orders.

Frequently asked questions

What is the minimum batch?

There is no standard minimum batch: it is assessed on the product, from a single prototype to recurring production.

How quickly do you reply?

By the next working day. Delivery lead times are defined in the quotation.

Which files do you need for a quote?

Gerber files, bill of materials (BOM) and quantities. Placement data and test procedures make the assessment faster.

Do you sign non-disclosure agreements?

Yes. Customers' designs and files stay confidential; on request we sign an NDA before the documentation is sent.

Request a quote

Gerber files, the bill of materials and the planned quantities are all we need to prepare a quotation. We reply by the next working day.



PHONE

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EMAIL

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HEADQUARTERS AND PLANT

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63075 Acquaviva Picena (AP), Italy



OPENING HOURS (ITALIAN TIME)

Monday – Friday
8:00–13:00 · 13:30–17:30



Write to us from the website

Scan the code to open the contact form, where you can attach Gerber, BOM, drawings and STEP files (up to 15 files, 100 MB).

www.dgmelettronica.it



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DGM Elettronica S.r.l.

VAT no. IT01987190673 · Electronic Manufacturing Services since 2008