



INNOBSM

Accelerating innovation in electronic assembly

INNOBSM

A technology center
dedicated to electronic assembly

ELECTRONIC
ASSEMBLY



INNOVATION
PLATFORM



INDUSTRIAL
TESTING



TRAINING
& RESEARCH


INVENTEC
PERFORMANCE CHEMICALS
INSPIRING INNOVATION

with the support of

 **île de France** **bpi**france



INTRODUCTION

INNOBSM is an innovation platform created by Inventec that focuses on electronic assembly and semiconductor interconnection technologies.

Located in Bry-sur-Marne, it provides industrial equipment enabling companies and academic partners to test new materials, processes and technologies under conditions close to production.

This platform allows users to test various technologies in order to validate new solutions without disrupting industrial production lines.

GOALS :

ACCELERATING INNOVATION
FOR THE ELECTRONICS SECTOR IN ÎLE-DE-FRANCE

DEVELOPING THE SOVEREIGNTY
OF FRENCH ELECTRONICS

PROMOTE COLLABORATION
BETWEEN INDUSTRY AND RESEARCH

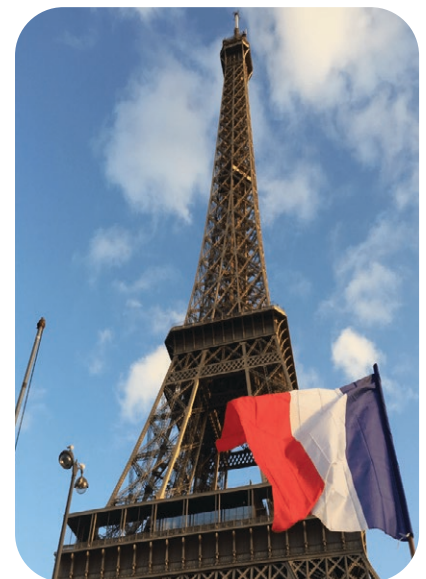
ADDRESSING THE TECHNOLOGICAL
CHALLENGES OF STRATEGIC INDUSTRIES

THEY SUPPORT US

The INNOBSM project was developed within the framework of the France 2030 investment plan - Grands lieux d'innovation and with the support of the Île de France region and industrial investments from Inventec managed by bpi france.



This project aims to support the electronics ecosystem in Ile de France, by strengthening innovation, technological sovereignty and collaboration between industry and research in the field of electronic assembly.



WHO IS THE ASSEMBLY LINE INTENDED FOR?

It is aimed at companies in the electronics sector, start-ups and universities, mainly in the Île-de-France region, but also on a wider national and international scale.



Industrial Companies

Testing new technologies without interrupting production lines.



Start-ups

Access to new equipment without significant investment.



Universities

To provide students with practical training in electronic assembly.

MAKE AN APPOINTMENT

Email: INNOBSM@inventec.dehon.com
Address: 26 rue des Coulons
94360 Bry-sur-Marne (Paris) / France
Tel: +33 (0)1 49 83 53 00





Services and technical resources

The INNOBSM platform covers all stages of electronic assembly, from solder paste deposition to validation and reliability testing.

SERVICES

- Support in eco-design (lead replacement)
- Rapid prototyping of electronic boards
- Process validation and industrialization
- Real-world reliability testing
- Performance optimization and defect reduction

TECHNICAL RESOURCES

- Complete SMT assembly line (deposition, placement, reflow)
- Inspection and quality control (SPI, AOI)
- Reliability test benches (temperature, humidity, corrosion)
- Processes: die attach, soldering, sintering, SMT
- Cleaning and application of protective coatings



EQUIPMENT AND TESTS

SCREEN PRINTING ESE ES-E2



- Determining the optimal operating window for screen printing (speed, pressure, separation)
- Optimization of screen printing settings (multi-vendor testing)

PICK & PLACE HANHWA DECAN



- Fast and high-precision placement of a wide range of components up to 01005
- Optimization of the pick & place program

CONVECTION (REFLOW) OVEN BTU PYRAMAX 100N



- 8 heating zones, operating under air or nitrogen
- Determination of thermal profiles and reflow windows

3D AOI AND SPI INSPECTION NORDSON SQ3000



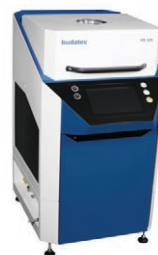
- Compact all-in-one 3D inspection solution for SPI, AOI and CMM
- MRS (Multi-Reflection Suppression) Technology
- Optimization of screen printing settings and reflow parameters
- Comparisons between suppliers

BONDTESTER XYZTEC CONDOR SIGMA



- Pull-out tests
- High precision for microelectronic inspection with up to 3 magnification levels and an optical resolution of up to 1.5 μm
- Visual inspection of components and solder joints

VACUUM CONDUCTION OVEN BUDATEC VS 320



- Atmospheres: air, N₂, H₂/N₂ (upon request), formic acid
- Fluxless formic acid tests (oxide reduction)
- Sintering process for die attach (with press)
- Prototyping of die attach or power assemblies.

IN ADDITION

EXPERTISE IN CLEANING AND COATING APPLICATION

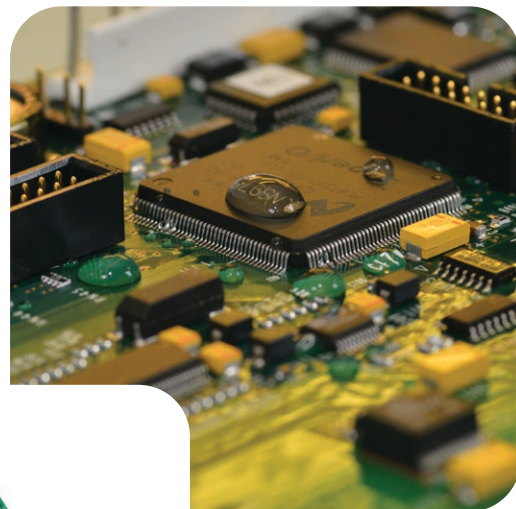
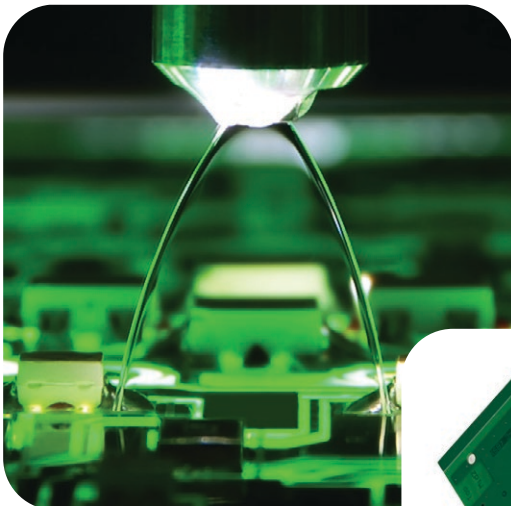
When using our SMT line, visitors also have access to Inventec's expertise in high-precision electronic cleaning and protective coatings.

With our expertise in precision cleaning, we help you effectively remove manufacturing residues while not harming sensitive materials and components. Furthermore, our expertise in protective coatings helps to enhance the reliability of electronic assemblies against environmental stresses.



We provide you with advanced technologies and expertise to meet the requirements of electronic applications, particularly in terms of reliability, performance, and sustainability.

We also offer cleaning and coating tests to evaluate, qualify, and optimize processes under real-world conditions.



INVENTEC PERFORMANCE CHEMICALS

INTRODUCTION

Inventec Performance Chemicals is a global B2B provider of Electronic Assembly Materials, Precision Cleaning Fluids, Protective Coatings and Thermal Management Fluids.

For over 60 years we have shown leadership in innovation by putting HEALTH IMPACT, SUSTAINABILITY and RELIABILITY at the core of our product development.

With ISO 9001 & 14001 production sites in France, Switzerland, USA, Mexico, Malaysia and China we can guarantee a smooth and cost-effective supply chain across the globe. Trusted across many industries, our solutions excel in automotive, aerospace, semiconductor, energy, and medical applications where reliability matters most.

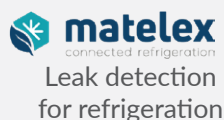
With a portfolio of over 300 products and a track record of satisfying more than 1500 customers, we are well-equipped to identify the optimal solution tailored to your specific requirements, processes, and sustainability objectives.

We are part of the DEHON Group



A family business founded in **1874**, initially specializing in the filling and distribution of refrigerants.

- **More than 700 employees worldwide**
- **16 subsidiaries across 3 continents**



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6
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16
SUBSIDIARIES

WORLDWIDE
DISTRIBUTOR
NETWORK

www.inventec.dehon.com • contact@inventec.dehon.com



EUROPE

INVENTEC France

Head Quarter, Sales office and production facility
26 rue des Coulons – BP 27
94363 Bry-sur-Marne cedex / France
Tel: +33 (0)1 43 98 75 00
Email: info_france@inventec.dehon.com

INVENTEC Spain

Sales office
Polígono Industrial Sepes, C/ Kepler 10,
E-46520 Puerto de Sagunto, Valencia
Tel: +34 (0)96 353 51 93
Email: infospain@inventec.dehon.com

INVENTEC Switzerland

Production site & Sales office
Z.I, Petits Champs 15
1400 Yverdon-les-Bains
Tel: +41 (0)24 424 80 90
Email: info.ch@inventec.dehon.com

INVENTEC Hungary

Sales office
Gábor Dénes körút 580. (BITEP Ipari Park)
H-2040 Budaörs
Tel: +36 (0)23 431 660 / 661
Email: inventec.hu@inventec.dehon.com

INVENTEC Germany

Sales office
Robert-Bosch-Strasse 14
D-40668 Meerbusch
Tel: +49 (0)21 50 70 73 00
Email: info_germany@inventec.dehon.com

ASIA

INVENTEC China

Production site & Sales office
1/2 F Building 6, No. 185 yuanke Rd.
Xinzhuan Industry Park 201108 Shanghai
Tel: +86 (0)21 6442 3962/82
Email: infochina@inventec.dehon.com

INVENTEC South East Asia

Production site & Sales office
No. 3, Jalan Industri Kidamai 2/1,
43000 Kajang, Selangor, Malaysia
Tel: +60 (0)3 8741 8925
Email: infosea@inventec.dehon.com

INVENTEC Japan

Sales office
8F, 5 Chome-4-12 Akasaka, 107-0052
Minato city, Tokyo
Tel: +81 (0)3 6459 1300
Email: infojapan@inventec.dehon.com

INVENTEC Taiwan

Sales office
5F, No. 6, Gaotie E. 2de Rd.
Zhubei city, Hsinchu county 302, Taiwan
Tel: +886 (0)2 2902 1522
Email: infotaiwan@inventec.dehon.com

INVENTEC South Korea

Sales office
5F, 16 Teheran-ro 78-gil
06194 Gangnam-gu, Seoul, Republic of Korea
Tel: +82 (0)2 2268 9505
Email: Infokorea@inventec.dehon.com

INVENTEC India

Sales office
Unit 1303-1304, 13F No. 30, M.G. Road
560001 Bangalore
Tel: +91 (0)9900148344
Email: info_india@inventec.dehon.com

INVENTEC Thailand

Sales office
101, Sukhumvit Road
Bang Chak, Phra Khanong, Bangkok, Thailand
Tel: +60 (0)3 8741 8925
Email: infothailand@inventec.dehon.com

INVENTEC Singapore

Sales office
135 Cecil street #10-01
069536 Singapore
Tel: +65 (0)97703796
Email: infosea@inventec.dehon.com

AMERICA

INVENTEC USA - Deep River

Production site & Sales office
500 Main Street, Suite 18, PO Box 989
Deep River, CT 06417, USA
Tel: +1 (0)860 526 8300
Email: info_northamerica@inventec.dehon.com

INVENTEC USA - Tucson

Sales office
Suite 246 - 1670N Kolb road,
Tucson, AZ 85715, USA
Tel: +1 (0)860 526 8300
Email: info_northamerica@inventec.dehon.com

INVENTEC Mexico

Production site & Sales office
Dr. Roberto Michel 2144, Colonia Ferrocarril
Guadalajara, Jalisco, C.P. 44440, Mexico
Tel: +52 33 3838 8866
info_southamerica@inventec.dehon.com