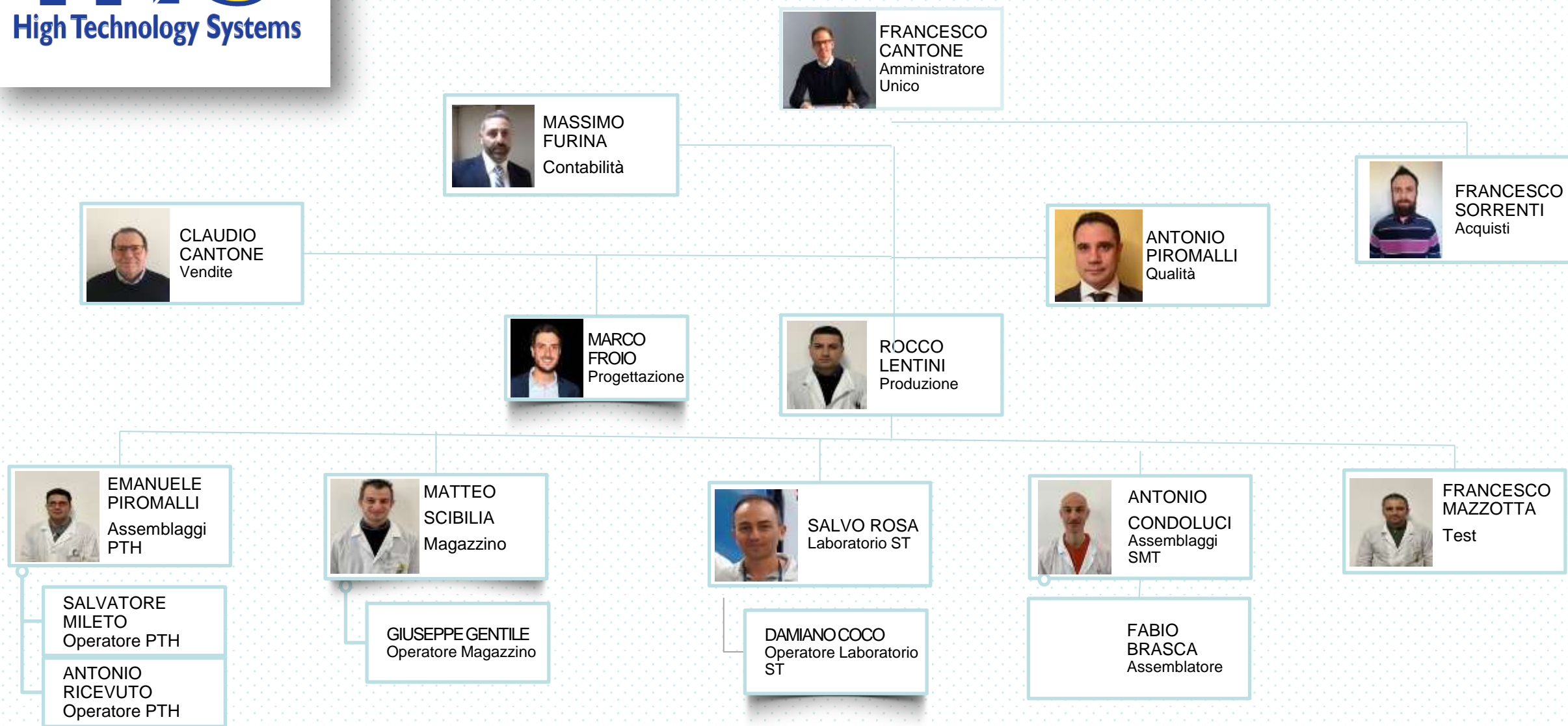




Electronic Manufacturing Services

Organization chart

High Technology Systems HTS Srl



Facilities

Cittanova (RC) Plant

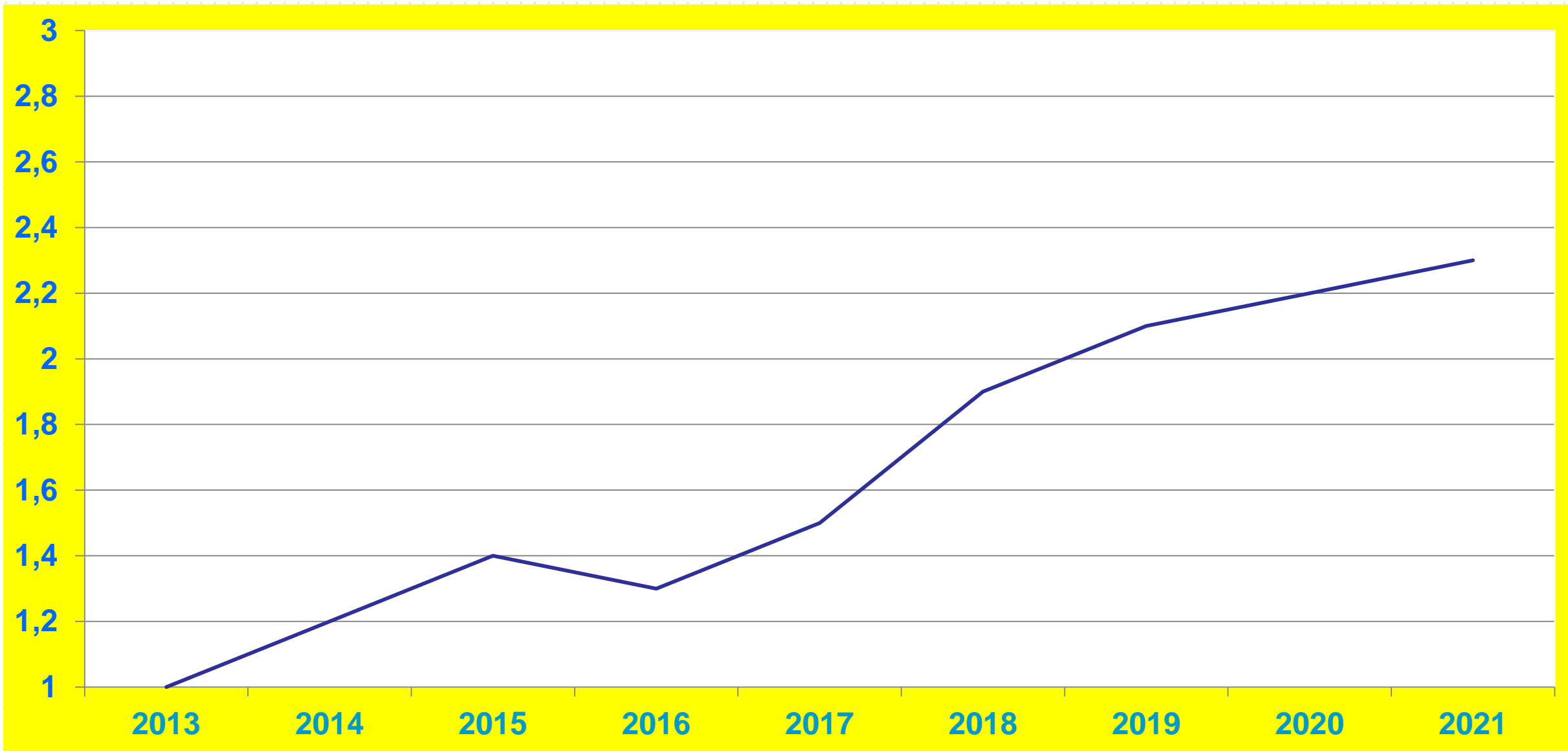
Zona industriale c/da Taccone snc

Area: sqm 2.747

Covered Area: sqm 864

People: 15 (60% university graduated)

Revenue Trend 2012 normalized



Research and Development

Software Tools



Test Equipments



Preconditioning Service

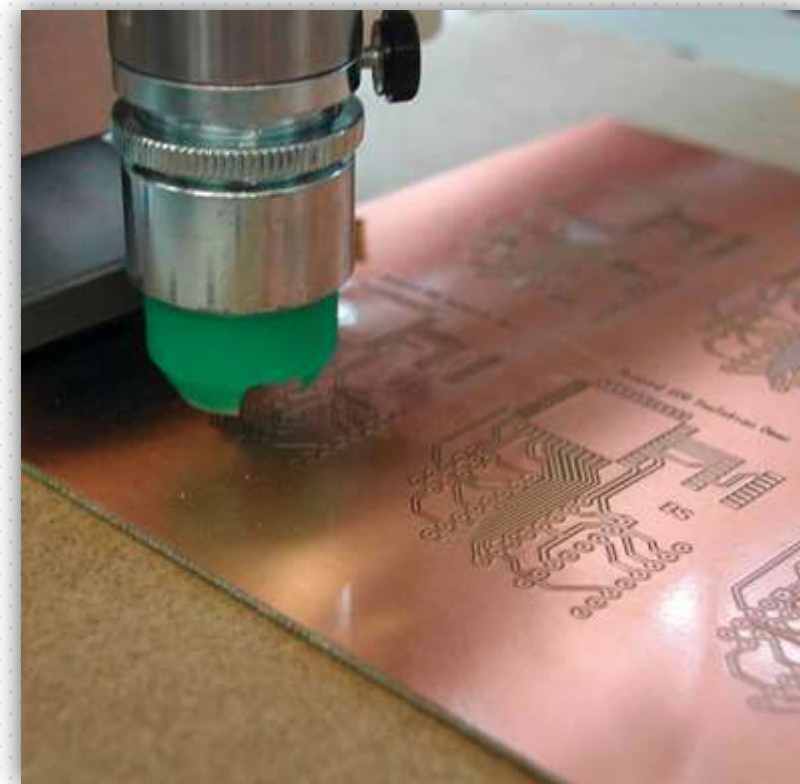
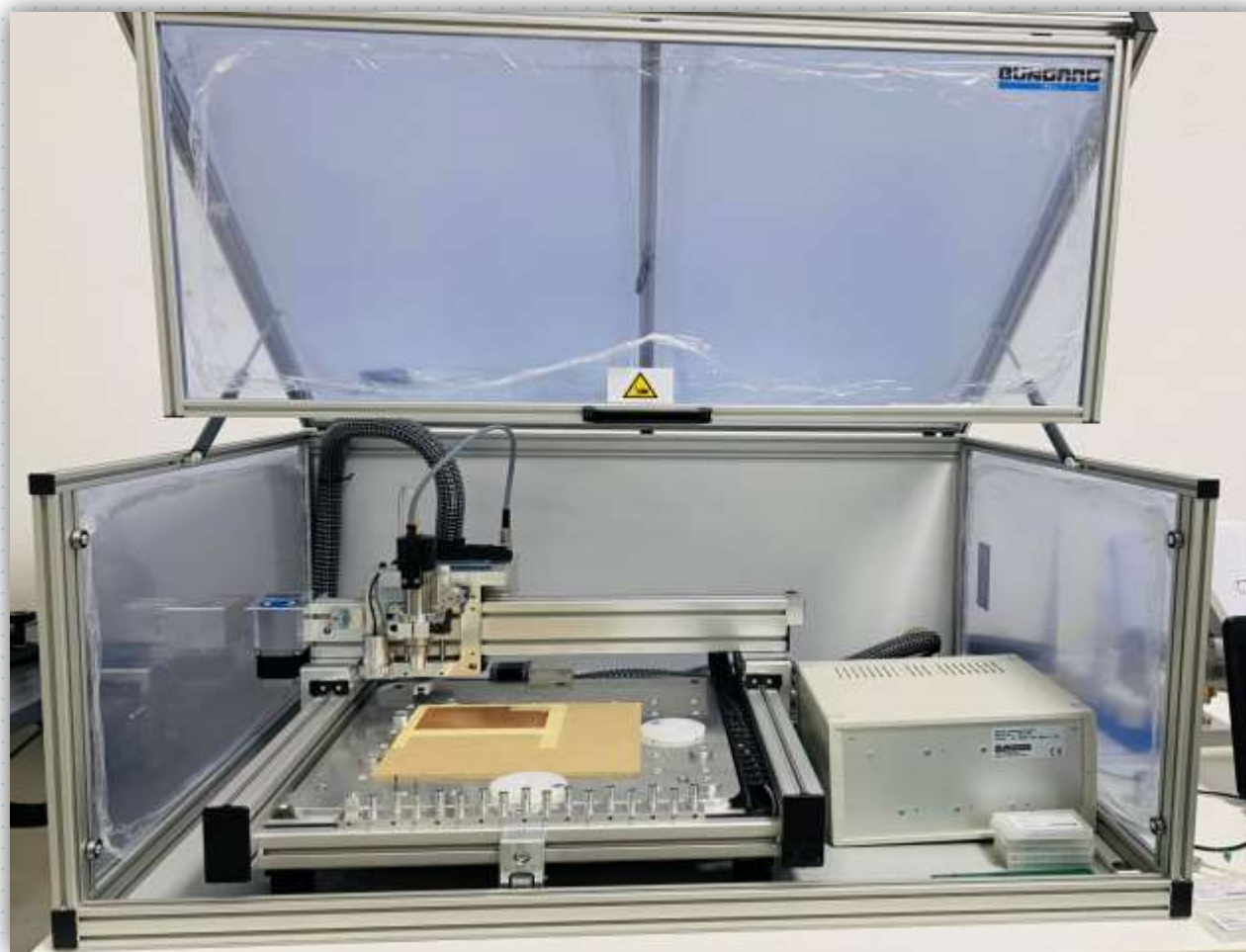
Bake ovens SAHARA



Moisture chambers for JEDEC LV1 e LV3



Preparation of Printed Circuit Boards



SMT LINE 1

- Automatic Screen Printing (*Folungwin WIN_6*)



SMT LINE 1

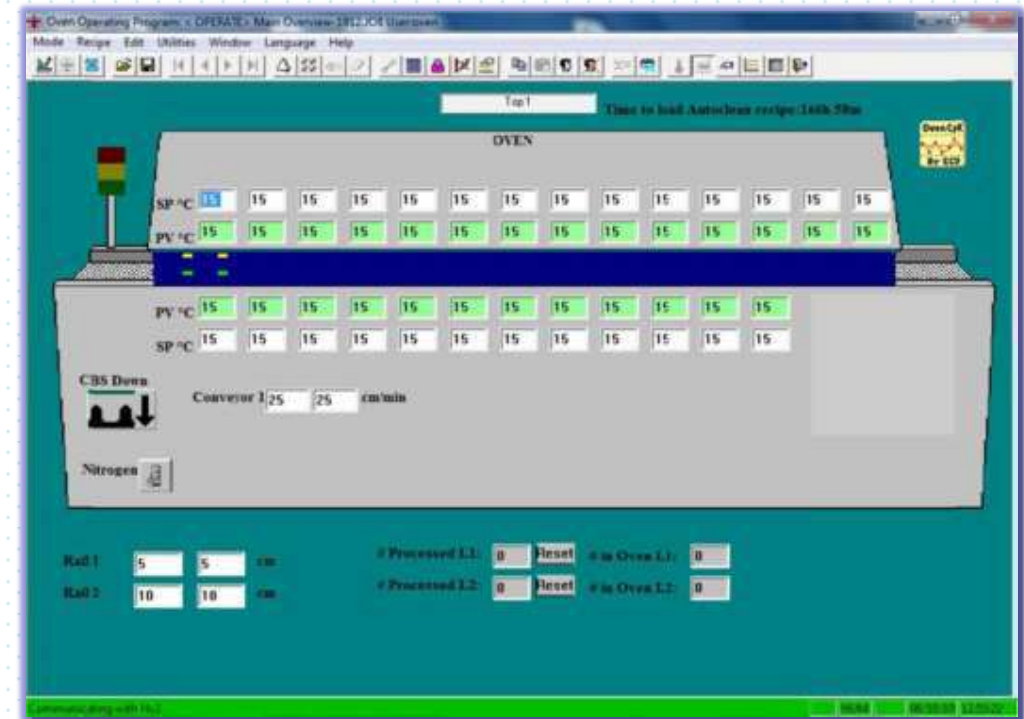
▪ PICK & PLACE (*MYDATA-MY15E*)



Package: from 0201 to 01005, BGA, pitch 03
Assembly capacity: 30k components per hour

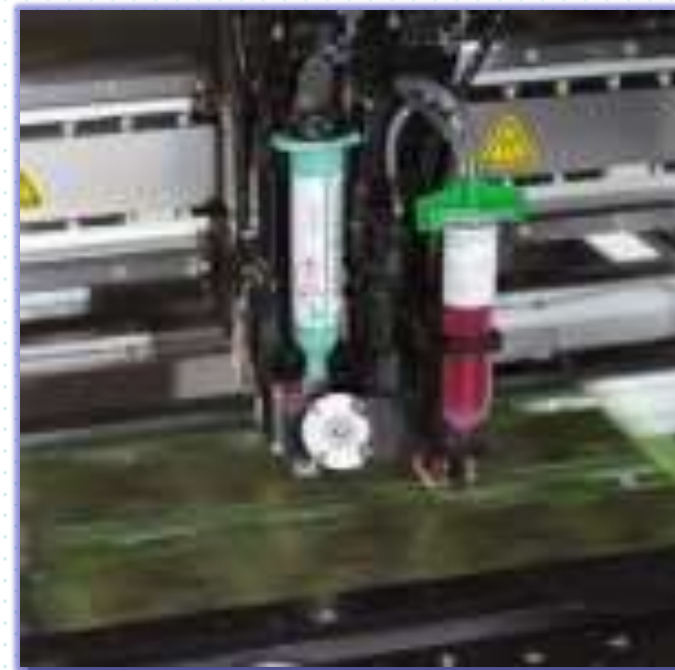
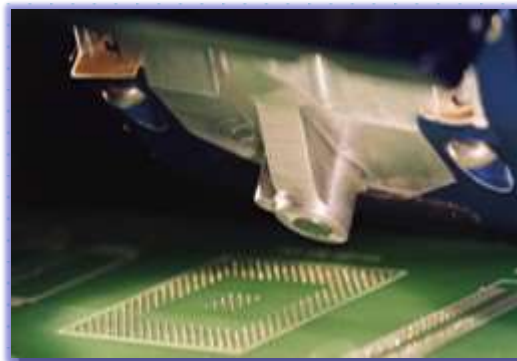
SMT LINE 1

Forno Heller 1826MK5 (16 heaters)



SMT LINE 2

Mycronic My700JP



SMT LINE 2

■ PICK & PLACE (*Micronic MY300*)



**All-in-one
mounter.
Featuring up
to 192
feeder
positions with
a top speed of
16,000
components
per hour**

SMT LINE 2

Reflow Oven (*Heller 1809 EXL*)

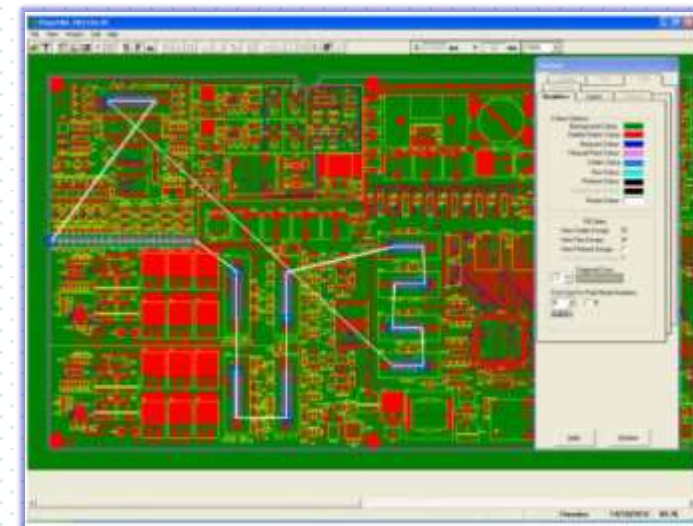
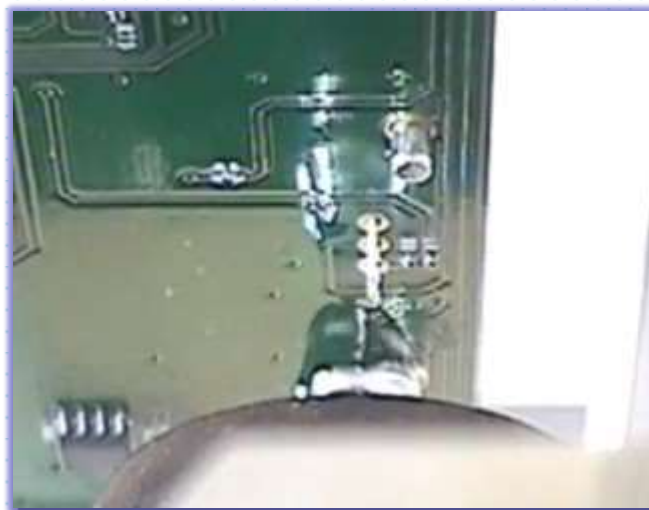


**precise
temperature
controls**

**Rapid response
times, high mix
/ high volume
throughput**

PTH

Selective welding machine Pillarhouse Orissa Synchrodex

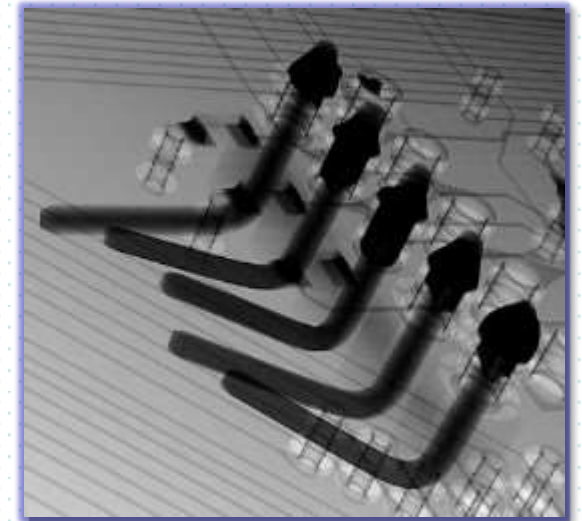
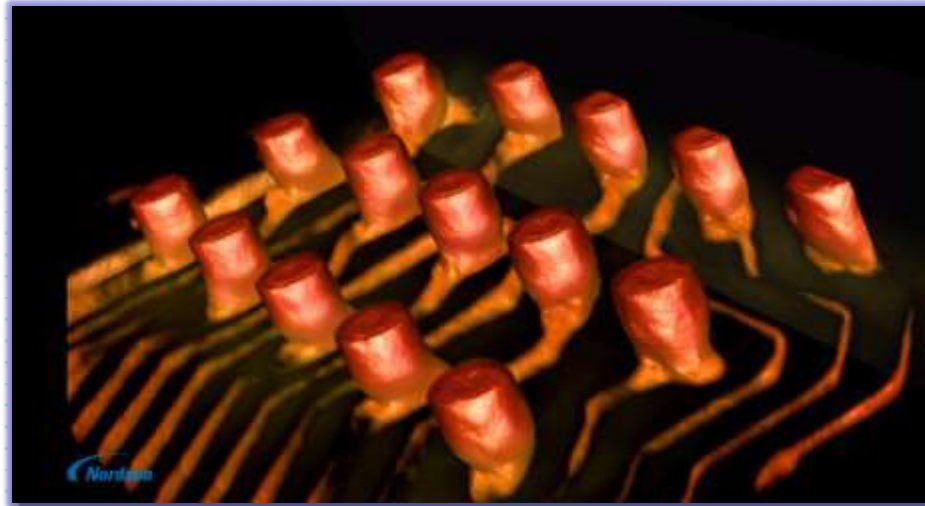


Double Wave Solder (*Folungwin FL-MD450*)



X-Ray Inspection

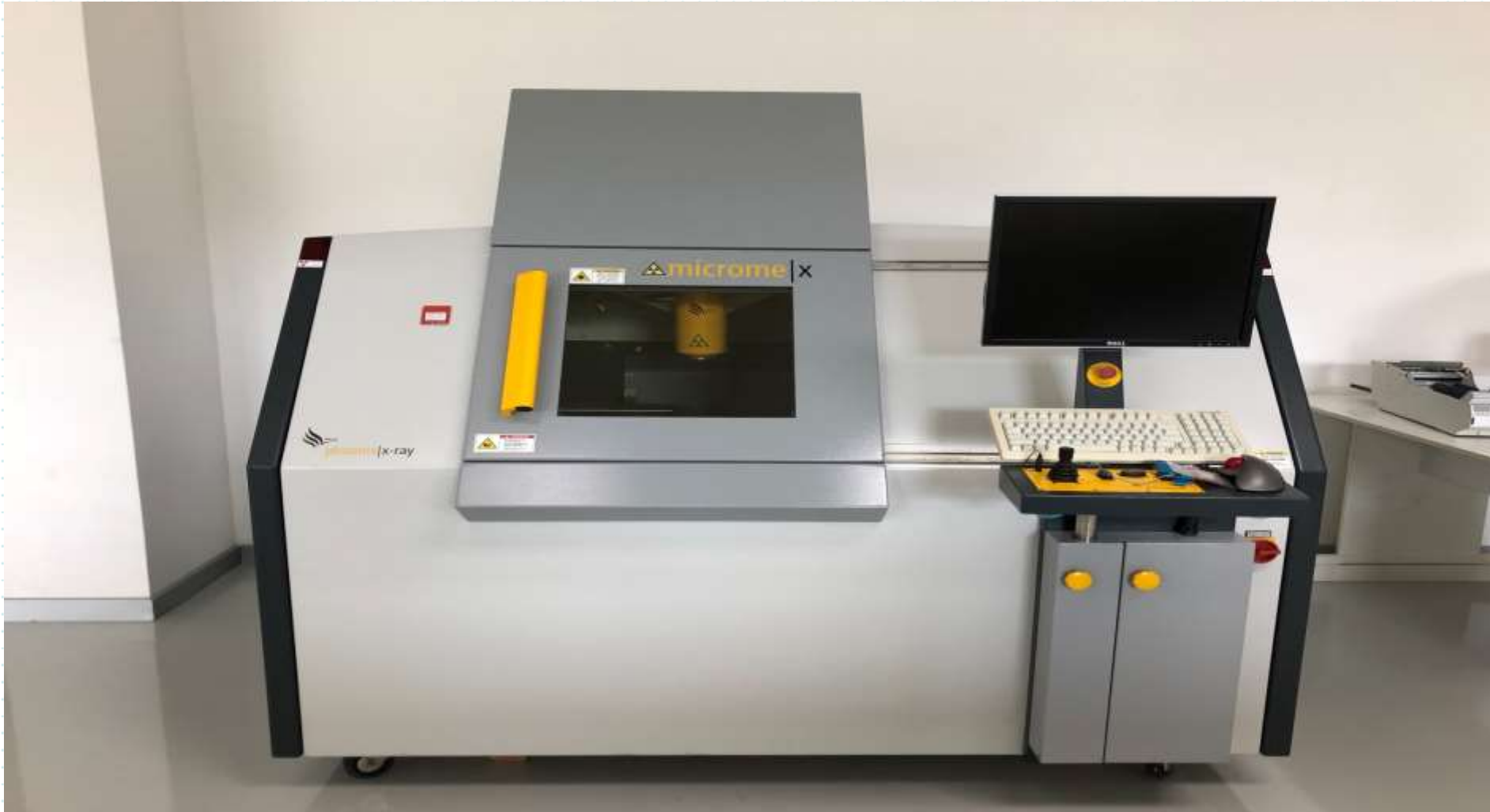
Nordson Dage Quadra 3



X-Ray Inspection

PHOENIX-XRAY

MICROME|X 160



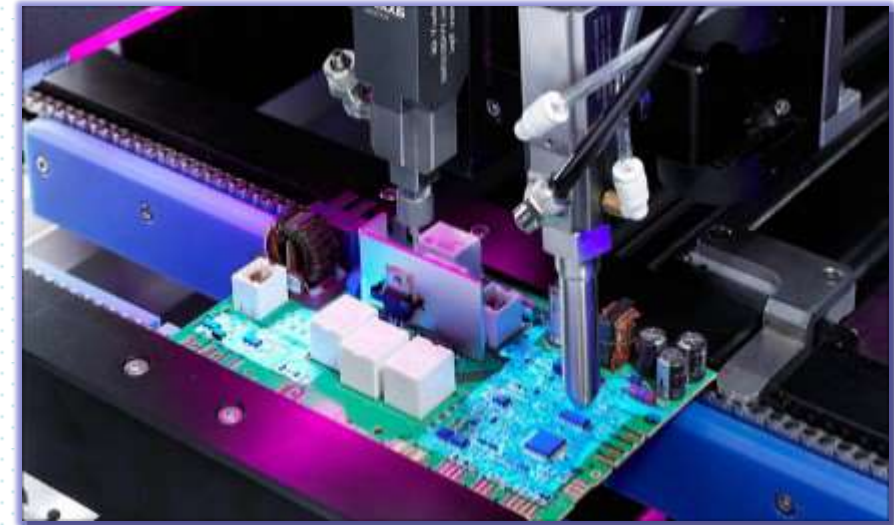
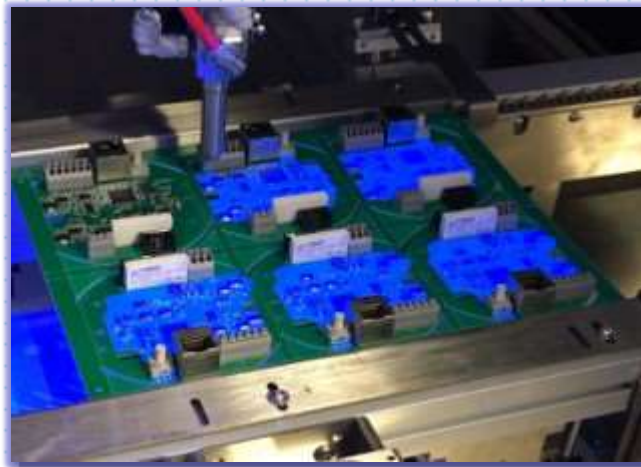
X-Ray Inspection

ScienceScope 1800



Conformal coating

Mycronic MySmart- C50



Automatic cleaning system

MiniSwash II



Test Equipment

Sistema di test a sonde mobili PILOT V8A NS



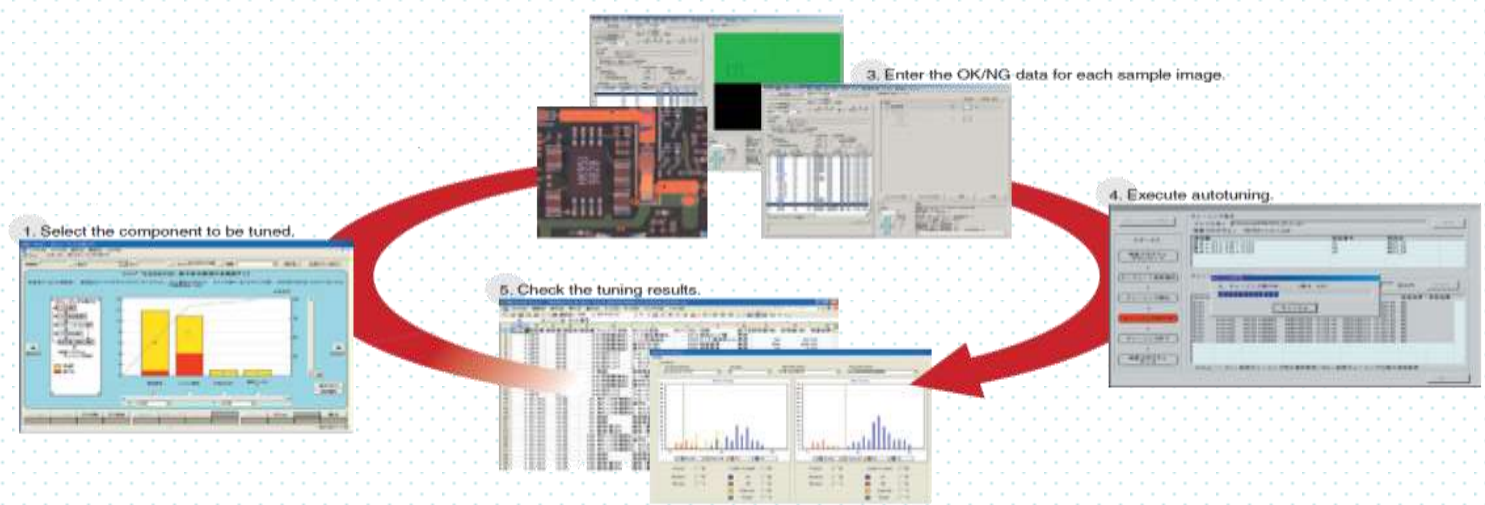
Optical Inspection

N°4 Vision Mantis Stations



Automatic Optical Inspection

OMRON:VT-RNS-S: High-Precision Camera



Moisture and Oxidation Protection



Nitrogen Inert Atmosphere Reflow



Nitrogen Controlled
Atmosphere Storage



Dry
Packaging



Comply with

- **UNI EN ISO 9001:2015**



- **IATF 16949:2016**



- **Equipments and Materials fully RoHS Compliant**

Software tools

- **Customer Relationship Management**

- Developed on SugarCRM Platform
- The same system is used by:



- Web Request Management
 - Request Format Filling
 - Automatic e-mailing to defined distribution list
 - Production Steps Check
 - Customer Feedback
 - Inventory Stock Check

Quality Management

Quality Plan

Associated to each production project, the quality manager defines a quality plan concerning all the operations to guarantee the product requested quality.

Piano Di Fabbricazione e Controllo: QP_03_00 - Assemblaggio schede Dual Assembled Layer

Modifica

Duplica

Elimina

Vedi log cambiamenti

Nome: QP_03_00 - Assemblaggio schede Dual Assembled Layer

Descrizione:

Documenti di Riferimento per il Quality Plan

Crea

Seleziona

LBL_LIST_DOCUMENT_NAME

[QP_03_MO_08_01 - Scheda Tecnica SMT](#)

[QP_03_MO_02_00 - CICLO DI CONTROLLO - Assemblaggio non Conforme](#)

[QP_03_IO_01_01 - Compilazione del Modulo di misura del DPMO](#)

[QP_03_MO_11_01 - Modulo Registrazione Posizionamenti non Conformi](#)

[QP_03_MO_06_03 CICLO DI CONTROLLO](#)

[QP_03_MO_01_00 - CICLO DI CONTROLLO - Materiale a Scarto](#)

[QP_03_MO_10_01 - Misura del DPMO dei Processi Produttivi](#)

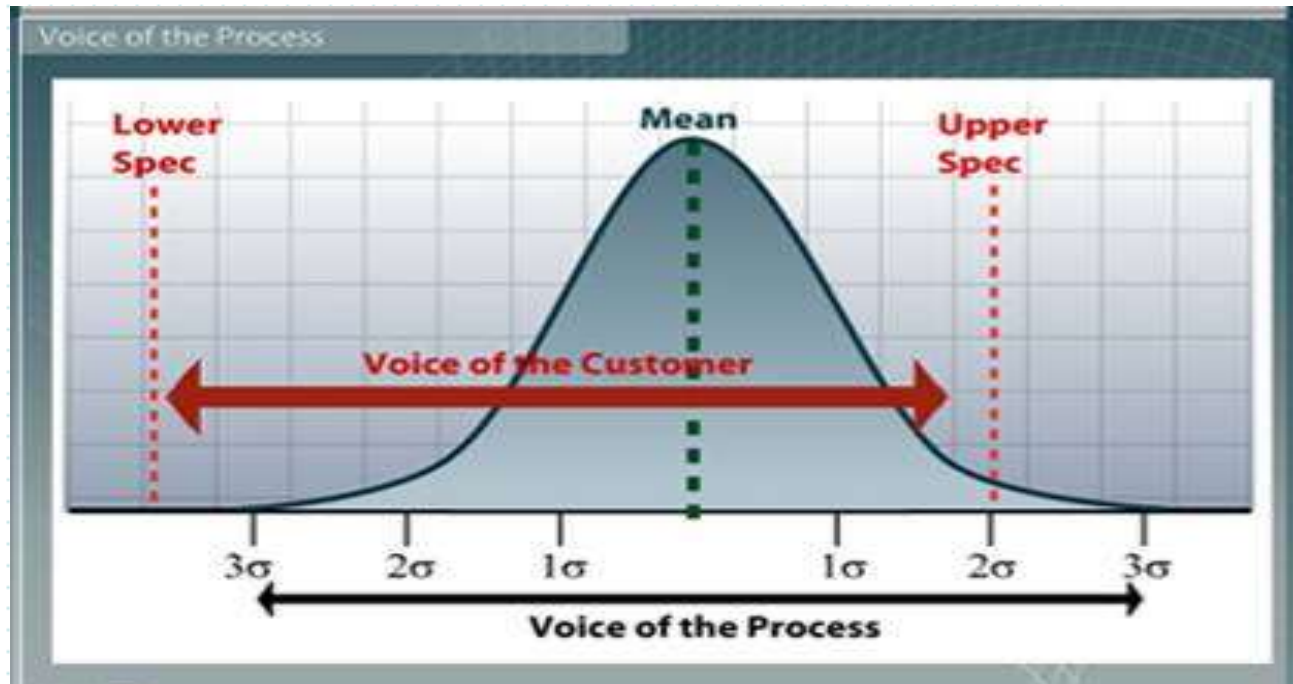
[QP_03_MO_12_01 - Modulo Registrazione Saldature non Conformi](#)

[QP_03_PR_01_00 - Assemblaggio Schede Dual Layer](#)

[QP_03_MO_05_00 - Registrazione Reclami dal Cliente](#)

Quality Management

H.T.S. is IPC-A-610D compliant and it follows Lean Six Sigma standards for Statistical Process Control.



IPC-A-610D |



Quality Management

Continuous Improvement

- **Internal Audit** → annual planification of Internal Audit
- **Customers Audit** → essential for Company Improvement

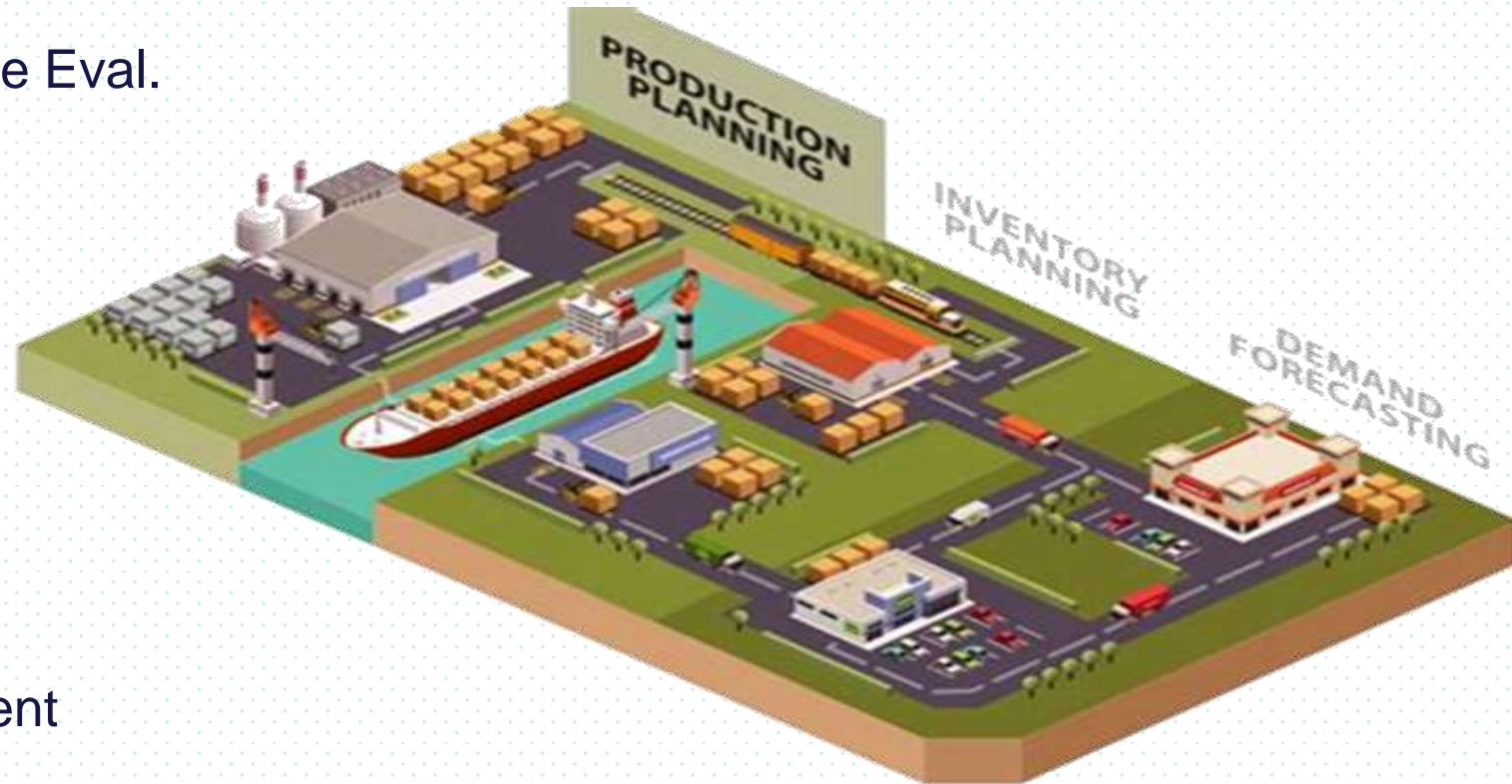


Production Management

MYPLAN MULTI JOB

Production Planning

- Takt-Time, Cycle-Time and Lead-Time Eval.
- Production Run Rate
- Delivery Date Scheduling
- Production Scheduling
- Workload Balancing
- Production Data Network Management



Production Management

MATERIAL HANDLING

Raw Material Management and Traceability



VISION

EVALUATION BOARDS ARE OUR JOB!

MISSION

MANUFACTURING ACCORDING TO THE RULES OF INDUSTRY 4.0



www.htsitaly.it



Thank You