



GALVALUX

Keypoints

GALVALUX SRL

FRANCESCO AND ALESSANDRO DE POLO

GALVALUX HISTORY

- Founded in 1973 as a superficial treatment company (plating only)
- 100% spectacle frames business (up until 2000)
- First company in Cadore 1975 to use varnish treatments on spectacle frames
- From 2000 into other different sectors (cutting blades, roof tiles, microphones, switch cover plates)
- From 2000 starting also the metal accessory business (plating at the beginning and then varnish)

GALVALUX PLANT



GALVALUX (ENTRANCE)



GALVALUX (WAREHOUSE)



GALVALUX (BUILDINGS)



GALVALUX (BUILDINGS)



GALVALUX (BUILDINGS)



GALVALUX (OFFICES)



GALVALUX (WAREHOUSE)



GALVALUX

(MOUNTING-UNMOUNTING DEPARTMENT)



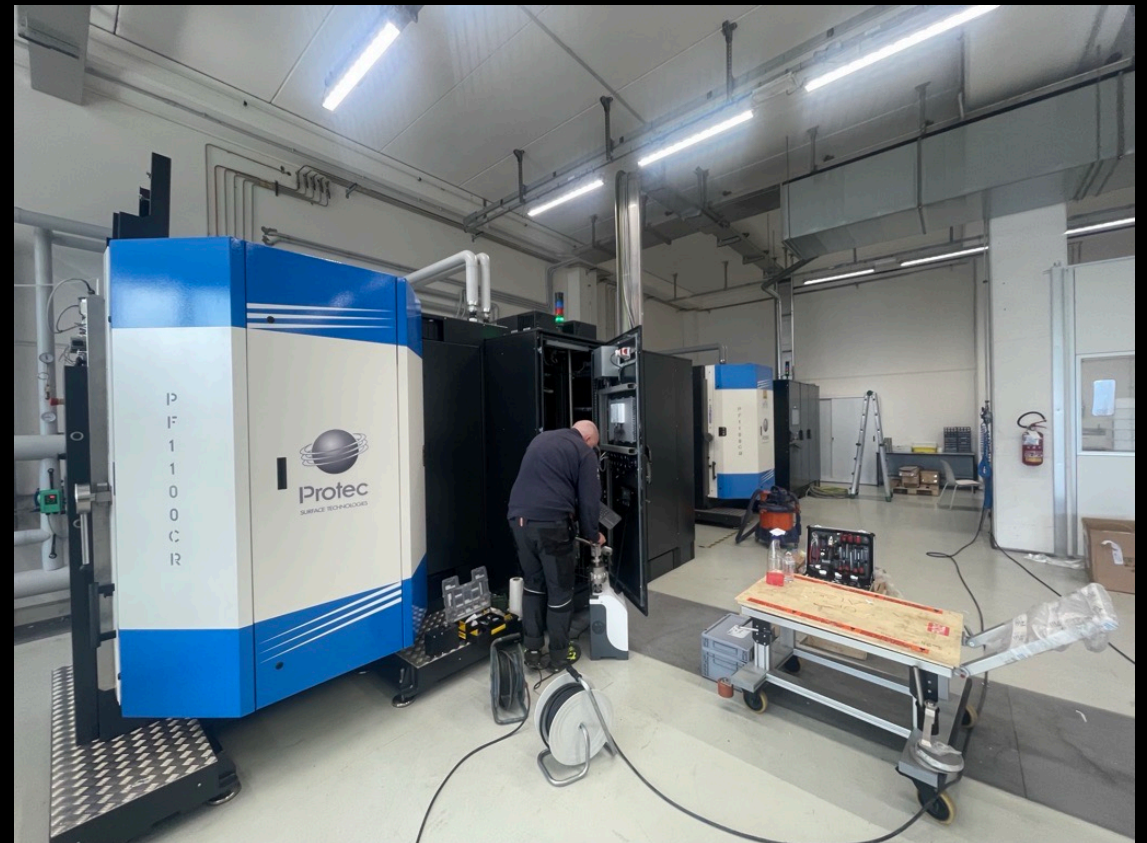
GALVALUX

(R&D AND QC LABORATORY)



GALVALUX

(E-COATING AND PVD DEPARTMENT)



GALVALUX (PLATING DEPARTMENT)



GALVALUX (VARNISH DEPARTMENT)



GALVALUX

(R&D COLOR LABORATORY)



GALVALUX

(WATER AND AIR TREATMENT SYSTEMS)





OVERVIEW OF GALVALUX'S ACTUAL SITUATION

1. Capacity
2. Production organization
3. IT system
4. Plants

OVERVIEW OF GALVALUX'S ACTUAL SITUATION (CAPACITY)

- PLATING DEPARTMENT
 - UP TO 500 RACKS/DAY (STANDARD NI-FREE MULTILAYER FOR BRASS/ZAMAK)
- E-COATING DEPARTMENT
 - UP TO 550 RACKS/DAY (GLOSSY)
 - UP TO 400 RACKS/DAY (SEMI-MAT)
- PVD DEPARTMENT
 - UP TO 100 RACKS/DAY (two PVD chambers)
- VARNISH DEPARTMENT
 - UP TO 2000 RACKS/DAY

OVERVIEW OF GALVALUX'S ACTUAL SITUATION (PRODUCTION ORGANIZATION)

- LEAN MANAGEMENT
 - HEAD OF LEAN MANAGEMENT (GALVALUX-2019)
 - ASSISTANT LEAN MANAGER (COLORPOINT-2022)
- PRODUCTION MANAGEMENT
 - HEAD OF PRODUCTION MANAGEMENT (GALVALUX)
 - ASSISTANT PRODUCTION MANAGER (COLORPOINT-2022)
- QUALITY MANAGEMENT
 - HEAD OF QUALITY MANAGEMENT (GALVALUX)
 - ASSISTANT QUALITY MANAGER (COLORPOINT-2020)
- IT DEPARTMENT
 - IT MANAGER (GALVALUX)
 - TWO IT ASSISTANTS (GALVALUX-2020)

OVERVIEW OF GALVALUX'S ACTUAL SITUATION (IT SYSTEM)

- FEATURES DEVELOPED
 - COMPLETE PRODUCT TRACEABILITY (PHASE, DATE, OPERATOR ETC.)
 - LIVE TOOL FOR ITEM SEARCHING
 - PRIORITY MANAGEMENT SYSTEM (DONE)
 - AUTOMATIC PRICING CALCULATION (DONE)
 - WAREHOUSE MANAGEMENT SYSTEM FOR RACKS AND VARNISH PRODUCTS
 - TURNOVER PREVISION (SORTED BY BRAND, CLIENT ETC.)
 - NEW AUTOMATIC VARNISH MASHINE (AUGUST 2023)
- INCOMING FEATURES
 - BI FEATURES FOR PRODUCTION PREVISION
 - WAREHOUSE MANAGEMENT SYSTEM FOR PLATING PRODUCTS, WORKSHOP AND OTHER STORAGES
 - DIGITAL INFORMATION EXCHANGE FOR INCOMING GOODS

OVERVIEW OF GALVALUX'S ACTUAL SITUATION (PLANTS)

- PLANTS INFORMATION
 - 9000 SQUARE METERS IN GALVALUX
 - 4500 SQUARE METERS IN COLORPOINT
 - 350 KW SOLAR POWER
 - 190 KW COGENERATOR (GAS)
 - 20K LITERS/DAY WATER TREATMENT SYSTEM
 - 100K CUBIC METERS/HOUR AIR EXCHANGE SYSTEM (RECOVER UP TO 85% OF THERMAL ENERGY)
 - CARBON FILTERS + POSTCOMBUSTOR FOR SOLVENT EMISSION REDUCTION IN GALVALUX
- INCOMING DEVELOPMENTS
 - + APPROX. 70 KW SOLAR POWER IN GALVALUX (END 2023)
 - SOLAR POWER IN COLORPOINT
 - CARBON FILTERS + POSTCOMBUSTOR FOR SOLVENT EMISSION REDUCTION IN COLORPOINT

GALVALUX GROUP 2018/2023 COMPARISON

1. Capacity
2. Production organization
3. IT system
4. Plants

GALVALUX GROUP COMPARISON (CAPACITY)

2018

2023

55K comp./day

100K comp./day

High complexity

Standard organization

Poor priority management

Good priority management

GALVALUX GROUP COMPARISON (PRODUCTION ORGANIZATION)

2018

Head of Production management (Galvalux)

Head of Quality management (Galvalux)

Head of IT management (Galvalux)

2023

Head of Production management (Galvalux)

Production management assistant (Colorpoint)

Head of Quality management (Galvalux)

Quality management assistant (Colorpoint)

Head of Lean management (Galvalux)

Lean management assistant (Colorpoint)

Head of IT management (Galvalux)

IT management assistant (Galvalux)

GALVALUX GROUP COMPARISON (IT SYSTEM)

2018

External IT system for production

Manual priority management

Manual traceability

High lead time for new developments

Manual pricing

Manual warehouse management

2023

Custom IT system

Automatic priority management

Live traceability

Low lead time for new developments

Automatic pricing

Digital warehouse management

BI features

GALVALUX GROUP COMPARISON (PLANTS)

2018

3500 square meters (Galvalux)

2700 square meters (Colorpoint)

190 KW solar power

60K cubic meters/hour air exchange system

10K liter/day water treatment system

2023

9000 square meters (Galvalux)

4500 square meters (Colorpoint)

350 KW solar power

190 KW co-generation system

100K cubic meters/hour air exchange system

20K liter/day water treatment system

Carbon filter + post combustor

THANK YOU FOR YOUR ATTENTION

GALVALUX SRL – Dott. FRANCESCO AND Eng. ALESSANDRO DE POLO

GALVALUX SRL