



## Brief History

**PLATİN Engineering Elektrik Otomasyon San. Ve Tic. Ltd. Şti.** was founded in 2005 with the aim of developing electrical and automation systems, automation integration of existing systems, planted in **Tuzla, İstanbul, TURKEY**. From the foundation until now, including Siemens, Telemecanique ve Mitsubishi branded automation products, **PLATİN** provide programming support to customers. **PLATİN** realizes electrical designs and programming in its own team structure, provide skilled manpower support for assembly of equipments and workshops. Presently, our company provides robotics and automation, PLC integrated automation, programming revisions and integrated machine engineering, low voltage and mid voltage establishments assemblies.

By the second half of 2007, **PLATİN Engineering Elektrik Otomasyon San. Ve Tic. Ltd. Şti.** decided to use its achieved knowledge about the robotics market, having the System Integrator of Motoman Robotics and becoming **System Partner** of the TEKNODROM ROBOTİK VE OTOMASYON, the TURKEY exclusive integrator of MOTOMAN Robotics.

## Our Mission

We have the mission of

- Customer pleasure
- Technological Search – Develop management
- Conform to project scheduling
- Competition with optimum prices

on the way to the goal of giving the best service for robotics and automation market, being in aware of technological developments.



## PROJECTS

The robotics and automation systems that we realized using Siemens S7-200, S7-300 and S7-400 series, Telemecanique TWIDO and TSX-37 MICRO series, OMRON CQM series and MITSUBISHI A and Q series PLC's, are today serving for automotive and automotive sub industries, food and metalworking industries.

Here are some of the systems that PLATIN realized up to now:

### AUTOMATION APPLICATIONS

#### TEKLAS KAUÇUK

GEBZE / İSTANBUL  
CYLINDRICAL CUTTING AND MILLING  
MACHINE



- Circular Cutting Machine and PVC Blowmolding End Product Edge Milling Machine
- Operator Panel Programming, S7-200 PLC and OP73 Panel is used.
- Mechanical design and production, final assemblage
- System electrical design
- Control board and emergency system integration
- System assemblage and finalizing





## MURPA ÇAY

İSTANBUL  
PLC PROGRAMMING REVISION



- Earl Grey Tea packaging machine, 100 gr and 200 gr can boxes filling automation
- OMRON - CQM series PLC and operator panel is used.

## AKGÜN RADYATÖR

İSTANBUL  
SEW WELDING AUTOMATION



- The Automatic Radiator Production Line including three sew welding machine, one radiator spot welding machine and four conveyors is realized in this Project.
- SIEMENS S7-300 PLC, SEW Servo motors are used.
- Our company also made revisions of sew welding machines to provide the automatic running of the production line.
- This realization provided an capacity increase about % 225



### *ERKUL KOZMETİK (GOLDEN ROSE)*

İSTANBUL

MAKE-UP FILLING MACHINE AUTOMATION

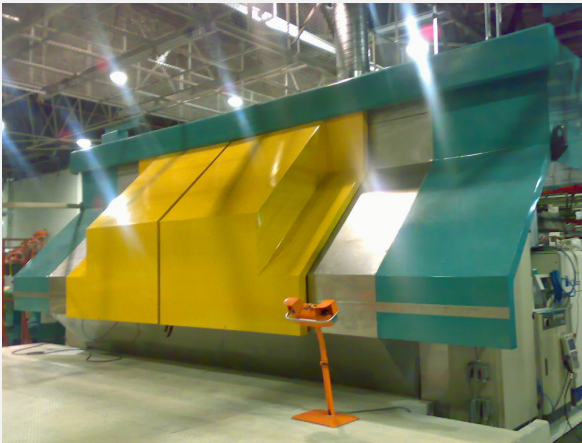


- According to the increase in demand of cosmetics products in the market, Erkul Cosmetics decided to change the manual filling processes with automatics to increase production capacity of the line.
- For this Project, TELEMECANIQUE branded PLC and HMI is used.
- PLC and HMI programming, system electrification is realized.

### *ROBOTIC APPLICATIONS*

#### *FORD OTOSAN*

ROBOTIC LASER CUTTING PROJECT



- S7-400 PLC programming with SIMATIC STEP-7
- MP 270B operator panel programming with PROTOOL
- System electrical design
- Control box assemblage
- Robotic gripper electrical and pneumatic assemblage
- System assemblage and finalizing



### PELZER PİMSA

İSTANBUL  
ROBOTIC ULTRASONIC WELDING PROJECT



- Control box assemblage
- System assemblage and finalisation
- System electrical design
- Human safety system design and assemblage

### DÖVSAN

İSTANBUL  
ROBOTIC ARC WELDING PROJECT



- Electrical and control system design, assemblage and activation of the Robotic Arc Welding system



## ŞAHİNKUL

BURSA  
ROBOTIC SPOT WELDING SYSTEM



- Electrical and control system design, assemblage and activation of the Robotic Spot Welding System
- Gun calibration of the Spot Welding Robot and spot welding programming of the robot.
- Pneumatic assemblage of the system

## EREM MAKİNA

İSTANBUL

- Electrical and control system design, assemblage and activation of the Robotic Arc Welding system
- Welder programming for positioners and robots.
- Pneumatic and mechanical assemblage of the system



## CONTACT

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