

Tecnofive S.r.l. Automotive application

Tecnofive, clip insertion machine. New solution with S7-1500T and Motion Technology.

SIEMENS

Project Information

Clip insertion machine



Tecnofive

Strambino / Italy

Products Used

Previous system	Now
none	PLC S7-1500T (1515T).
	Sinamics S120/G120C.
	HMI Basic panel KTP900.
...	Sirius
...	

Customer challenges

1. New application with PLC and Drive integration.

2. Motion Controller and Automation Controller all in one.

3. New technologies to be learned in a short time.

Customer benefits

1. One software for everything:
By working within a unique environment a reduction of the development time was achieved smoothing the learning curve required for the programming of the whole system.

2. One CPU for everything
Reduced system complexity, simplified architecture, reduce time to market around 50% thanks to 1500 T CPU & Profinet features. Simpler diagnostics and maintenance.

3. Application and pre-sales support made by Siemens.
New technical expertise was acquired quickly over the new 1500 T Motion control system, in TIA platform, defining a solid basis for future projects

Product/solutions

1. TIA Portal
gives to the customer an easy integration.

2. S7-1500T, CPU 1515T.

3. Pre-sales and application support with Application Team

Customer profile	<ul style="list-style-type: none">• Tecnofive s.r.l is an direct customer, it's pecialises in the construction of automation systems with a high technological content for processing extruded rubber parts with and without reinforcement.• http://www.tecnofive.it
Project information	<ul style="list-style-type: none">• New clip insertion machine• First machine sell in November 2017• The new solution integrated PLC S7-1500TF and Sinamics G120/S120.
Customer objectives	<ul style="list-style-type: none">• The customer would like to realize a new solution that would allow PLC and Drive integration in easy way and all in one software.• New technologies to be learned in a short time.• The customer needs to use motion control tecnology in "PLC mode", the customer is using S7-1200 and S7-1500 .
Siemens solution	<ul style="list-style-type: none">• Siemens provided Pre-sales and application support with Application Team.• TIA Portal give to the customer an easy way of integration PLC and Drive.• TIA Portal give to the customer only one Engeenering system• One CPU for everything PLC S7-1500T, CPU1515TF (Standard automation and Motion control Function).
Customer value	<ul style="list-style-type: none">• The customer has achieved the goal of developing a new solution by having a single supplier as a partner.• New potential for next plants, with automation full solution Siemens.• New opportunity for the customer for new application





Technical project Information

- Cpu 1515T
- 4 total axis (S120)
- 3 Synchronous_axis TO
- 1 Virtual Positioning_axis TO
- 4 mS OBServo Cycle time



