BRIEF DESCRIPTION OF THE PROJECT TAKEN AMONG THE MOST SIGNIFICANT

Date	Description	Hardware	Software
Jiu 2019	Complete management and data acquisition system for marine wave simulation system	PLC Beckhoff	PLC: IEC 61131 PC: LabWindows / CVI
May 2018	Cell automation system for automatic assembly of brake clamps	PLC Beckhoff	PLC: IEC 61131
Nov 2015	New version machine for square bicycle frames	PLC Beckhoff	PLC: IEC 61131 PC: LabWindows / CVI
Sep 2014	New version autoleveling system for boats	PLC Beckhoff	PLC: IEC 61131 PC: LabWindows / CVI
Nov 2011	Automation for carts used to transport glass plates	TT Control	Codesys
May 2010	Artificial vision system for cleaning products	Cognex	PC:Labwindows / CVI
Jun 2007	Testing machine stiffness on bicycle frames	National Instruments	PC:Labwindows / CVI
May 2006	Machine for square motorcyles handlebar	National Instruments	PC:Labwindows / CVI
Jul 2005	Machine for square motorcycles forks	National Instruments	PC:Labwindows / CVI
Jan 2003	Control system for 100T press machine	PLC Telemecanique interface	PC:Labwindows / CVI
May 2003	Numerical control for the cutting system		PC:Labwindows / CVI
Mar 2002	Assembly machine for bicycle frames	Computer Boars, National Instruments, step motors	PC:Labwindows / CVI
Jul 1999	Machine for square bicycle forks	Computer Boards	PC:Labwindows / CVI
Mar 1999	Assembly machine for bicycle frames	National Instruments, step motors	PC:Labwindows / CVI
Jun 1998	Machine for the automatic squaring of bicycle frames	Computer Boards.	PC:Labwindows / CVI
Jul 1996	Machine for cutting and numbering wires wiring	Step motors + encoders	V25 card
Feb 1995	Machine for straightening rectified tubes	V25 card	PC:Labwindows / CVI
Jun 1993	Plant for moving 4 telescopic stands	Async. motors	Assembler 8088

Date	Description	Hardware	Software
Mar 1993	6 station rotary tranfer for pipes	PLC Telemecanique	
Mar 1992	Photogoniometer B-Beta / C-Gamma	Electronic cards based on personal computer 286, stepper motors program developed in C language, serial interface with light meter.	PC:Borland C++
May 1987	Photogoniometer B-Beta / Gamma-C	Electronic cards based on personal computer 286, stepper motors program developed in C language, serial interface with light meter LMT	
Jun 1986	Photogoniometer B-Beta	Electronic boards based on Z80 microprocessor, motor step, program developed in FORTRAN language, analog interface with light meter LMT.	
Jan 1985	Machine to assemble the bicycle frames with final punching	Electronic boards based on Z80 microprocessor, motor step program	developed in FORTRAN language
Jun 1984	Machine for the automatic straightening of the wheels	Electronic boards based on Z80 microprocessor, interface with Telemecanique PLC, analog cards of our own design.	Assembler Z80
Mar 1984	Machine for the controlled tightening of the spokes of the wheels for bicycles	Electronic boards based on Z80 microprocessor, cards to control the tightening torque of our design.	Assembler Z80
Jan 1983	Hydraulic machine for the automatic squaring of the forks	Electronic boards based on Z80 microprocessor, analog cards of our project, potentiometric transducers	Assembler Z80

Date	Description	Hardware	Software
Jul 1982	Macchina per il controllo manuale della deformazione delle forcelle	Schede elettroniche di nostra progettazione	
Feb 1982	Hydraulic machine for the automatic squaring of the frames	Electronic boards based on Z80 microprocessor, analog cards of our project, potentiometric transducers	Assembler Z80
Jun 1981	Machine for manual control of the deformation of the frames	Electronic cards of our project, inductive transducers	