



S.T.A. EXECUTIVE

is operating since 1995 on Electric and Automation of Industrial Process.

In particular, the first Impregnating Line was in 2001

This has been the first of several Impregnating Lines projects for Melamine, Phenolic and Masking Tape lines.

For almost all these Projects we have supplied as “turn-key” the electric boards and panel and Automation Control: Hardware and Software.

We also commissioned each Line. In many cases, we did the erection supervision (Erectors by Client-End User and our supervisor to follow and help on all erection jobs).

Engineering (as Electrical Diagrams, cable List) is completely developed by our personnel.

Software to control the Line and all the sequences as well as the HMI panels is totally designed by us and during all these years ,step by step we can optimise functionality and increase reliability to have now a complete set of tested packages for all machinery and all type of controls.

We have supplied also lines up to 300 mt’ ,with different kinds of evacuations and sheet cutting systems so that it could be reasonable to sustain to have now a robust professional experience on this matter.

For Supervision Systems based on PC and mainly dedicated to handle the Process Recipes we also have our Package. It is based on technological approach of the process data with special tools to facilitate the creation of new recipe and to make simplest as possible the use by Operators. Automatic procedure to convert the current machine set up into achievable recipe as well as Coil or batch reporting system are the basic functions of Supervisor.

Many Clients are also connected through Remote Tele service with us and it is other additional service that can be useful to help maintenance electricians on troubleshooting. Due to this facility is faster to make assistance in any place of the world. In fact, our system are installed in several different Countries how our Reference List shows it.

Recently we have also improved the system interface in order to monitor the Line also through the Mobile Phone using dedicated Application tool

For Drive Systems (variable speed control) our experience is for a lot of main Market Brands as: Siemens, Rockwell, ABB, Sew, Lenze, ControlTechniques, Vacon We designed AC-AC configuration (based on converters) and also DC-AC (based on Inverters) using DC Bus bars.

For Control Systems (PLC-HMI) our common solution is based on Siemens S7 platform and Operator Panels (now we are working both with Classic and with TIA platform).

Furthermore, we had also experience with Rockwell and Telemecanique.

All programs are our design, commented in English as well as the Operator Panels (HMI) are working on Multi language platform and easy to translate (if not yet) onto End User Language Chinese Included.



➤ *Unwinder /Rewinder with Automatic Splicing and Closed or Open Loop Control*



➤ *Impregnating Machine*



↘ *Coaters*



↘ *Sheet Cutter and exit side*



↘ *Dryers*



➤ *Electrical Board supplied pre-assembled in Container*



➤ *Standard Electrical Board*



Panels & Control desks



REFERENCE LIST FOR IMPREGNATING LINES – S.T.A. EXECUTIVE (Italy)

	Line Main Data				Supply Description		Variable Speed Drives			Automation				Total
Updated at June 2014	Plant Location		Product	Speed	Basic	Additional			Tecnology	PLC	Operator	PC	Net	Power
Description	Country	City/Plant	Type	mt/min	Supply	Services	Brand	Quantity	A.C.		Terminals	Supervision	works	[KW]
Phenolic Impregnating Line	Italy	Vigevano	Paper	120	Turn Key	Erection Supervision	Allen Bradley	35	A.C. ->A.C, with DC Bus	Allen Bradley	4		Device Net DH+	300
Melaminic Impregnating Line	Turkey	Izmit	Paper	75	Turn Key	Erection Supervision	Lenze	51	A.C. ->A.C, with DC Bus	Siemens	5		Profibus	350
Melaminic Impregnating Line	Turkey	Evpa / Lignadecor	Paper	75	Turn Key	Erection Supervision-Remote Tele assistance	Lenze	60	A.C.-> A.C.	Siemens	6	Siemens Wincc	Profibus MPI	400
Melaminic Impregnating Line	Russia	Samara	Paper	50	Turn Key	Erection Supervision Remote Tele assistance	Vacoon	45	A.C.-> A.C.	Siemens	4		Profibus MPI	250
Prototype Laboratory Line for resins test	Germany	Kronospan	Paper	30	Turn Key		Lenze	6	A.C.-> A.C.	Siemens	/		Profibus MPI	55
Coater	U.S.	Arclin - Springfield (NC)	Alluminum	150	Turn Key Eex	Erection Supervision	ABB	4	A.C.-> A.C.	Allen Bradley	/		Profibus MPI	45
Melaminic Impregnating Line	Turkey	Starwood	Paper	75	Turn Key	Erection Supervision	Lenze	58	A.C. ->A.C, with DC Bus	Siemens	6		Profibus MPI	350
Melaminic Impregnating Line	Turkey	Starwood	Paper	75	Turn Key	Erection Supervision	Lenze	64	A.C. ->A.C, with DC Bus	Siemens	6		Profibus MPI	400
Melaminic Impregnating Line	Turkey	Lignadecor	Paper	75	Turn Key	Erection Supervision Remote Tele assistance	Lenze	57	A.C.-> A.C.	Siemens	6+1	Siemens Wincc	Profibus MPI Ethernet	400
Melaminic Impregnating Line	Russia	Sergiev Posad	Paper	80	Turn Key	Erection Supervision Remote Tele assistance	Control Techinques	50	A.C.-> A.C.	Siemens	5+1	Siemens Wincc	Profibus MPI	450
Melaminic Impregnating Line	Sirya	Syriamica	Paper	90	Turn Key	Erection Supervision	Control Techinques	61	A.C.-> A.C.	Siemens	6		Profibus MPI	450

Rotary Cutter	Spain	Santiago de C.	Paper	90	Turn Key		Sew	6	A.C.-> A.C.	Siemens	1		Profibus	35
Melaminic Impregnating Line	Russia	Samara Melamin Decor	Paper	75	Turn Key	Erection Supervision	Control Techinques	61	A.C.-> A.C.	Siemens	6		Profibus MPI	450
Melaminic Impregnating Line	Turkey	Starwood	Paper	75	Turn Key	Erection Supervision	Lenze	64	A.C. ->A.C, with DC Bus	Siemens	6		Profibus MPI	400
Melaminic Impregnating Line	Germany	Coverigth I	Paper	100	Turn Key	Erection Supervision	Siemens	47	A.C.-> A.C.	Siemens	6		Profibus MPI	600
Revamping Melaminic Impregnating Line	Turkey	Starwood	Paper	50	Turn Key- New Line Tension Control and Sheet cutting	Erection Supervision	SIEL	23	A.C.-> D.C.	Siemens	2		Profibus MPI	200
Melaminic Impregnating Line	Germany	Coverigth II	Paper	100	Turn Key	Erection Supervision	Siemens	49	A.C.-> A.C.	Siemens	6		Profibus MPI	600
Revamping Melaminic Impregnating Line	Russia	Dyatkovo	Paper	60	Turn Key - New Electric System	Erection Supervision	Control Techinques	25	A.C.-> A.C.	Siemens	4		Profibus MPI	250
Melaminic Impregnating Line	Russia	Kronostar	Paper	75	Turn Key	Erection Supervision	Lenze	40	A.C.-> A.C.	Siemens	4		Profibus MPI	250
Melaminic Impregnating Line	Russia	Slotex	Paper	80	Turn Key	Erection Supervision	ABB	42	A.C.-> A.C.	Siemens	4	Siemens Wincc	Profibus Ethernet	350
Melaminic Impregnating Line	Germany	Thermopal	Paper	90	Turn Key	Erection	ABB	70	A.C.-> A.C.	Siemens	4	Siemens Wincc	Profibus Ethernet	450
Phenolic Impregnating Line	Brasile	Formiline	Paper	300	Turn Key	Erection Supervision- Remote Tele assistance	Siemens	38	A.C.-> A.C.	Siemens	4		Profibus MPI	250
Melaminic Impregnating Line	Russia	Kronostar	Paper	75	Turn Key	Erection Supervision	Lenze	40	A.C.-> A.C.	Siemens	4		Profibus MPI	250
Rewinder for Melaminic Impregnating Line	Brasil	Formiline	Paper	60	Turn Key		Siemens	5	A.C.-> A.C.	Siemens	1		Profibus	50
Coater	Stati Uniti	Arclin - Seattle	Paper	100	Turn Key Eex	Erection Supervision	ABB	4	A.C.-> A.C.	Rockwell	1		Device Net dH+	45
Melaminic Impregnating Line	Iran	Dieffenbacher	Paper	75	Turn Key	Erection Supervision	SWE	54	A.C.-> A.C.	Siemens	4		Profibus MPI	250
Melaminic Impregnating Line	Brasil	Duratex	Paper	100	Turn Key	Erection Supervision	SWE	54	A.C.-> A.C.	Rockwell	4		Ethernet	250

Revamping Melaminic Impregnating Line	US	Arclin - Portland	Paper	90	Turn Key	Erection Supervision	Rockwell	15	A.C.-> A.C.	Rockwell	4		Ethernet	250
Phenolic Impregnating Line	Italy	Ahlstrom	Paper	150	Boards & Engineering	Erection	Siemens	54	A.C. ->A.C, with DC Bus	Siemens	4		Ethernet Profibus	450
Melaminic Impregnating Line	Germany	Hans Schmid Decor	Paper	90	Turn Key	Erection Supervision	Siemens	47	A.C. ->A.C, with DC Bus	Siemens	4		Ethernet Profibus	450
Exhaust Treatment	Italy	Ahlstrom	Paper	150	Boards & Engineering	Erection	Danfoss	3	A.C.-> A.C.	Siemens	4		Ethernet Profibus	300
Melaminic Impregnating Line	Russia	Novel Group	Paper	75	Turn Key	Erection Supervision	Siemens	61	A.C.-> A.C.	Siemens	6		Profibus MPI	450
Melaminic Impregnating Line	Italy	Vibac	Masking Tape	80	Turn Key	Erection Supervision	Siemens	25	A.C.-> A.C.	Siemens	4		Ethernet Profibus	250
Impregnating Machine	Finland	StoraEnso	Paper	80	Engineering		Siemens		A.C.-> A.C.	Siemens	4		Ethernet	300
Impregnating Line	Russia	Interprint	Paper	80	In Progress	Revamping step by step	Siemens	26	A.C.-> A.C.	Siemens	4		Ethernet	350