



Termomeccanica Industrial Process

Termomeccanica Group



References List

November 2017

Distillation

Client	Location	Plants & Technology	Sector
Qiqihar Textile	Qiqihar.China	DMF distillation 2000 kg/h	Chemical & Textile
Mabel Textile	Prato-Italy	DMF distillation 2000 kg/h	Chemical & Textile
Adesin - Laminate	Pistoia-Italy	Acetone distillation 1500 kg/h	Chemical & Petrolchemicals
Nanfang Textile	China	DMF distillation 4000 kg/h	Chemical & Textile
SITE Textile	Turkey	DMF distillation 3000 kg/h	Chemical & Textile
Flokser Textile	Instanbul-Turkey	DMF distillation 3000 kg/h	Chemical & Textile
DEPAR Textile	Instanbul-Turkey	DMF distillation 3000 kg/h	Chemical & Textile
ATS Textile	Lahore-Pakistan	DMF distillation 6000 kg/h	Chemical & Textile
Huaibei Textile	Huaibei-China	DMF distillation 6000 kg/h	Chemical & Textile



Distillation

Client	Location	Plants & Technology	Sector
Ruansa Textile	Maracay-Venezuela	DMF distillation 3000 kg/h	Chemical & Textile
Marcucci Pharmaceutic	S.Antimo-Italy	Ethanol distillation 3000 kg/h	Pharmaceutical
S.Stefano Textile	Prato-Italy	Ammonia distillation 1000 kg/h	Chemical
Teheran Delta Textile	Teheran-Iran	DMF distillation 3000 kg/h	Chemical & Textile
Flokser Textile	Instanbul-Turkey	DMF distillation 6000 kg/h	Chemical & Textile
Zakaria Pharmaceutic	Tabriz-Iran	Methylene Chloride distillation 1500 kg/h	Pharmaceutical
Zakaria Pharmaceutic	Tabriz-Iran	IPA distillation 1500 kg/h	Pharmaceutical
Rezitan Resin	Teheran-Iran	Fatty acids hydrolysis and distillation 3000 kg/h	Chemical



Distillation

Client	Location	Plants & Technology	Sector
SILVA Extract Food	Rende-Italy	IPA distillation 1500 kg/h	Chemical & Food and Beverages
KRKA Pharmaceutic	Krka-Slovenja	3 Batches distillation	Pharmaceutical
MEDICA SpA	Iglesias-Italy	NMP Distillation 1500 kg/h	Bio-Medical



Incinerators, Thermal Oxidizers

Client	Location	Plants & Technology	Sector
SIMS Pharmaceutic Ind.	Incisa-Italy	Afterburner with heat recovery boiler 10 t/h steam 12 bar	Pharmaceutical
DECOINDUSTRIA	Cascina-Italy	Liquid and gas incinerator complete of energy recovery (steam production) 500 kg/h + 10000 Nm3/h	Water Treatment
CIAF Refuse Treatment	Atessa-Italy	Afterburner with heat recovery boiler 10 t/h steam 12 bar	Water Treatment
POLYNT	S.Giovanni Valdarno-Italy	Liquid and gas incinerator complete of energy recovery (steam production) 2000 kg/h + 10000 Nm3/h	Chemical
GSA Refuse Treatment	Civita Castellana-Italy	Afterburner with heat recovery boiler 10 t/h steam 12 bar	Water Treatment
MAS Laminates	Pistoia-Italy	Afterburner 25.000 Nmc/h	Chemical & Petrolchemicals
MAS Laminates	Pistoia-Italy	Afterburner 12.000 Nmc/h	Chemical & Petrolchemicals



Incinerators, Thermal Oxidizers

Client	Location	Plants & Technology	Sector
VAL	Lucca-Italy	Air treatment 10.000 Nmc/h from resins production	Glass Factory
KME Copper refining	Lucca-Italy	Afterburner 15.000 Nmc/h Dry Abatement	Metallurgical
LFL Copper refining	Masiers de Voltregà- Spain	Afterburner 15.000 Nmc/h Dry Abatement	Metallurgical
LFL Copper refining	Masiers de Voltregà- Spain	Afterburner 15.000 Nmc/h Dry Abatement	Metallurgical
KME Copper refining	Lucca-Italy	Afterburner -quench Dry Abatement-Washing tower 30.000 Nmc/h	Metallurgical
TAI	Ankara- Turkey	SO ₂ treatment by dry abatement from n°4 coal boiler 36000 kg/h	Aeromotive



Incinerators, Thermal Oxidizers

Client	Location	Plants & Technology	Sector
Solvay Bario e Derivati	Massa-Italy	Flue Gas Desulfurization Plant 10.000 Nm ³ /h – ceramic filtering unit, heat recovery with steam production and dry abatement with sodium bicarbonate	Chemical & Petrolchemicals



Regenerative & Recuperative Thermal Oxidizers

CLIENT	COUNTRY	TYPE	CAPACITY
ONDULINE	ITALY	RTO	15.000 Nm ³ /h
MAS ITALIA	ITALY	Recuperative Thermal Oxidizer + Heat Recovery	30.000 Nm ³ /h
MATEX	ITALY	RTO	10.000 Nm ³ /h
PROSETEX	ITALY	RTO	40.000 Nm ³ /h
VAL	ITALY	Recuperative Thermal Oxidizer + Wet Scrubber	10.000 Nm ³ /h
LAPE	ITALY	RTO	10.000 Nm ³ /h
ITALCOL	ITALY	RTO + Wet Scrubber	65.000 Nm ³ /h
STAMPFOIL	ITALY	RTO + Heat Recovery	60.000 Nm ³ /h
NAR	ITALY	RTO	5.000 Nm ³ /h
LDS	ITALY	RTO	10.000 Nm ³ /h
EUROFARM	ITALY	RTO	10.000 Nm ³ /h
COLATA CONTINUA PISANA	ITALY	RTO	5.000 Nm ³ /h
LABORATORI GUIDOTTI	ITALY	RTO + Flue Gases Dry and Wet Treatment	5.000 Nm ³ /h



Regenerative & Recuperative Thermal Oxidizers

CLIENT	COUNTRY	TYPE	CAPACITY
METALPLASTIC	ITALY	Recuperative Thermal Oxidizer + Heat Recovery	30.000 Nm ³ /h
I.C.R.	ITALY	RTO	10.000 Nm ³ /h
DELTA PREG	ITALY	RTO	10.000 Nm ³ /h
VINYLPEX	POLAND	RTO	30.000 Nm ³ /h
KRKA	SLOVENJA	RTO	10.000 Nm ³ /h
PARATO	ITALY	RTO	15.000 Nm ³ /h
POLVERIND	ITALY	RTO	6.000 Nm ³ /h
ESBELT	SPAIN	RTO	10.000 Nm ³ /h
SISA	ITALY	RTO	40.000 Nm ³ /h
RADICI TESSUTI	ITALY	RTO	10.000 Nm ³ /h
MECC. ALTE	ITALY	RTO + Heat Recovery	4.000 Nm ³ /h
ENDUTEX	PORTUGAL	RTO	40.000 Nm ³ /h
SRF	INDIA	RTO + Heat Recovery	30.000 Nm ³ /h
ISOTEX	BELARUS	RTO + Heat Recovery	10.000 Nm ³ /h
SALVAMED	BULGARIA	RTO + Heat Recovery	20.000 Nm ³ /h
HARDT TRADING	TURKEY	RTO + Heat Recovery	25.000 Nm ³ /h
MAGIS	ITALY	RTO	30.000 Nm ³ /h
IBNE SINA	IRAN	RTO	75.000 Nm ³ /h
TECHNIP	CZECH REP.	RTO	10.000 Nm ³ /h
TECNIMONT	AZERBAIJAN	RTO	5.000 Nm ³ /h



Catalytic Thermal Oxidizers

Client	Location	Capacity	Information
STAMPFOIL	ITALY	30.000 Nm ³ /h	Air treatment from film metilization
SALVADORI	ITALY	5.000 Nm ³ /h	Air treatment from resins coatings
ITALCOAT	ITALY	30.000 Nm ³ /h	Air treatment from film metilization
HABASIT	ITALY	10.000 Nm ³ /h	Air treatment from resins coatings
SALVAMED	ITALY	5.000 Nm ³ /h	Air treatment from resins coatings



Solvent recovery plants by activated carbon for Adhesive, Packaging

CLIENT	COUNTRY	CAPACITY AIR FLOWRATE (Nm ³ /h)	SOLVENT FLOWRATE (kg/h)
INTERPLASTICA	BULGARIA	30.000	200
CARTONGRAF	ITALY	9.000	50
INTERPLASTICA	ROMANIA	30.000	200
PLASTUROPA	ITALY	60.000	700
SYROM 90	ITALY	200.000	1.800
LAMA	ITALY	10.000	60
PORTA IMBALLAGGI INDUSTRIALI	ITALY	80.000	600
LANTZIS	GREECE	20.000	100
INDUSTAPE	MOROCCO	40.000	650
INDUSTAPE	MOROCCO	10.000	60
LINEA NASTRI	ITALY	8.000	75
CARTONGRAF	ITALY	120.000	1.500
ALPHA BETA (1st plant)	TAIWAN	75.000	1.000
ALPHA BETA (2nd plant)	TAIWAN	75.000	1.000
ROTOPACK (REVAMPING)	ITALY	110.000	800
BOSTON TAPES	ITALY	90.000	1.100



Solvent recovery plants by activated carbon for Adhesive, Packaging

CLIENT	COUNTRY	CAPACITY AIR FLOWRATE (Nm³/h)	SOLVENT FLOWRATE (kg/h)
BOSTON TAPES	ITALY	90.000	1.100
LOUIS ADHESIVE TAPES	THAILAND	75.000	800
ALPHA BETA (3th plant)	TAIWAN	95.000	1.300
MAGIS	ITALY	12.000	80
ELBA	TURKEY	50.000	450
LOUIS ADHESIVE TAPES	THAILAND	110.000	1.100
PITAMAS	INDONESIA	9.000	130
ALPHA BETA (4th plant)	TAIWAN	120.000	1.600
ELBA	TURKEY	120.000	650
ALPHA BETA (5th plant)	TAIWAN	120.000	1.600
SPIRIT INNOTECH	TAIWAN	120.000	1.600
PLYMOUTH	CHINA	180.000	2.000
HEBEI HUAXIA	CHINA	250.000	2.200
ACHEM	TAIWAN	140.000	1.500
LOUIS ADHESIVE TAPES (2nd plant)	THAILAND	110.000	1.100



Solvent recovery plants by activated carbon for Adhesive, Packaging

CLIENT	COUNTRY	CAPACITY AIR FLOWRATE (Nm³/h)	SOLVENT FLOWRATE (kg/h)
DURABA	TURKEY	100.000	1.000
JUNGHUA	CHINA	250.000	2.000
JIANGXI	CHINA	30.000	150



Resins Production

Client	Location	Plants & Technology
Isola MAS Laminate	Pistoia-Italy	Brominated Resin Plant 8000 t/y
Sumisola Laminate	Santa Rosa-Philippines	Brominated Resin Plant 8000 t/y
Isola MAS Laminate	Cambernauld-Scotland	Brominated Resin Plant 8000 t/y
Isola MAS Laminate	Pendleton-USA	Brominated Resin Plant 8000 t/y
POLYNT	San Giovanni Valdarno-Italy	PE Unsaturated Resin Plant 12000 t/y
POLYNT	San Giovanni Valdarno-Italy	PE Unsaturated Resin Plant 12000 t/y
DR. RESIN	Massa-Italy	Alchidyc Resin Plant 6000 t/y
ELBA	Turkey	Resin production plant 3500 l/shift



Pyrolysis plants

Client	Location	Plants & Technology
Metalrecuperi	San Martino dell'Argine-Italy	Pyrolysis of plastic materials 1000 kg/h
SICARB	Priolo-Italy	Pyrolysis of nut shells 1000 kg/h



Air Treatment, Scrubbers

Client	Location	Description	Capacity	Sector
LA FARGA LA CAMBRA	SPAIN	Washing for HCl SO ₂ abatement	30000 Nm ³ /h	Metallurgical
ALMA PETROLI	ITALY	Washing for H ₂ S abatement	1000 Nm ³ /h	Oil & Gas
KME	ITALY	Washing for HCl and SO ₂ abatement	20000 Nm ³ /h	Metallurgical
ASMIU	ITALY	Washing for H ₂ S compounds abatement	250000 Nm ³ /h	Waste Treatment
CHIMET	ITALY	Washing for NH ₃ , H ₂ S and HCl abatement	30000 Nm ³ /h	Precious Metal Production
EUROMA	ITALY	Washing for DMF recovery	30000 Nm ³ /h	Chemical & Textile
MTS	ITALY	Washing for DMF recovery	20000 Nm ³ /h	Chemical & Textile
SINTPEL	ITALY	Washing for DMF recovery	20000 Nm ³ /h	Chemical & Textile
BBS	ITALY	Washing for DMF recovery	40000 Nm ³ /h	Chemical & Textile



Air Treatment, Scrubbers

Client	Location	Description	Capacity	Sector
GIARDINI	ITALY	Washing for DMF recovery	30000 Nm ³ /h	Chemical & Textile
GIARDINI	ITALY	Washing for DMF recovery	30000 Nm ³ /h	Chemical & Textile
MARIANA TESSUTI	ITALY	Washing for DMF recovery	20000 Nm ³ /h	Chemical & Textile
ALFATEX	ITALY	Washing for DMF recovery	20000 Nm ³ /h	Chemical & Textile
DUAL BOX	ITALY	Washing for DMF recovery	20000 Nm ³ /h	Chemical & Textile
LE GRIFFE	ITALY	Washing for DMF recovery	20000 Nm ³ /h	Chemical & Textile
COATEX	ITALY	Washing for DMF recovery	20000 Nm ³ /h	Chemical & Textile
STAB. BRANDIZZO	ITALY	Washing for DMF recovery	30000 Nm ³ /h	Chemical & Textile
BIBIELLE	ITALY	Washing for DMF recovery	20000 Nm ³ /h	Chemical & Textile



Air Treatment, Scrubbers

Client	Location	Description	Capacity	Sector
FLOKSER	ITALY	Washing for DMF recovery	20000 Nm ³ /h	Chemical & Textile
DEPAR	TURKEY	Washing for DMF recovery	30000 Nm ³ /h	Chemical & Textile
SITE	TURKEY	Washing for DMF recovery	24000 Nm ³ /h	Chemical & Textile
GEZER	TURKEY	Washing for DMF recovery	20000 Nm ³ /h	Chemical & Textile
ATS	PAKISTAN	Washing for DMF recovery	24000 Nm ³ /h	Chemical & Textile
PLASTIBERT	BELGIUM	Washing for DMF recovery	40000 Nm ³ /h	Chemical & Textile
TEHERAN DELTA	IRAN	Washing for DMF recovery	30000 Nm ³ /h	Chemical & Textile
INDUSTRIAS RUANSA	VENEZUELA	Washing for DMF recovery	30000 Nm ³ /h	Chemical & Textile
ABD EL FATAH	EGYPT	Washing for DMF recovery	20000 Nm ³ /h	Chemical & Textile
GUIDOTTI	ITALY	Washing for HCl and SO ₂ abatement	5000 Nm ³ /h	Pharmaceutical



Air Treatment, Scrubbers

Client	Location	Description	Capacity	Sector
GUIDOTTI	ITALY	Washing for HCl and SO ₂ abatement	5000 Nm ³ /h	Pharmaceutical
LONZA	ITALY	Washing for HCl and SO ₂ abatement	10000 Nm ³ /h	Chemical
GIDA	ITALY	Washing for HCl and SO ₂ abatement	2000 Nm ³ /h	Water Treatment
ORPIC Sohar Refinery	OMAN	Odour Mitigation Project: Activated Carbon Filters for H ₂ S, VOCs removal	N°3 x 1000 Nm ³ /h	Oil & Gas
ORPIC Sohar Refinery	OMAN	Odour Abatement Project: Wet Scrubbers and Activated Carbon Filters for NH ₃ , H ₂ S, VOCs removal	20000 Nm ³ /h	Oil & Gas



thank you



Termomeccanica Industrial Process

Termomeccanica Group

TM.I.P. S.r.l. - Termomeccanica Industrial Process

Via Fossamastra 22- 19126

La Spezia – Italy

Tel. +39 0187 513.410 - Fax. +39 0187 515.352

www.tmip.termomeccanica.com