



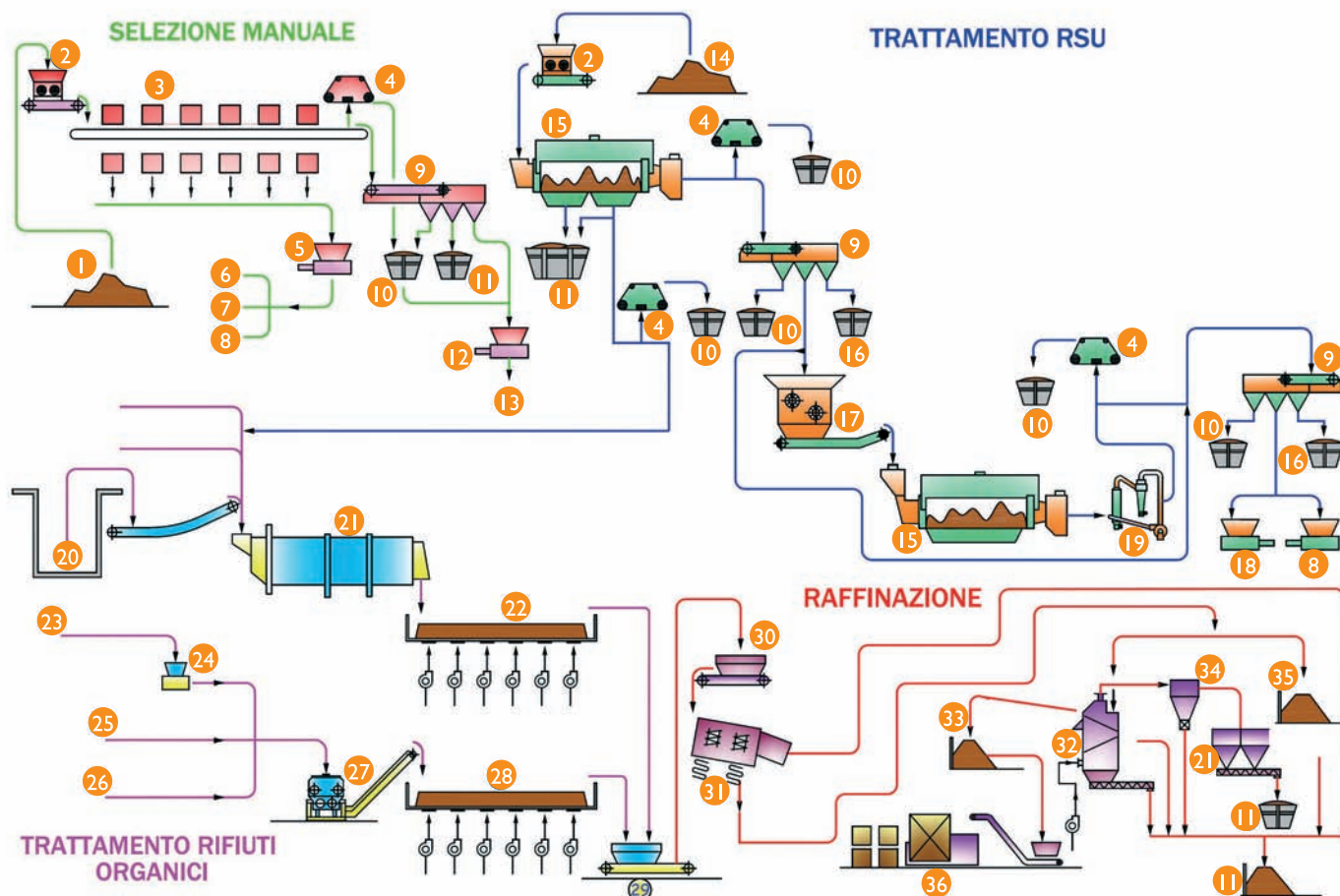
Integrated waste management system of the Versilia region, Italy.
RDF Production Plant

Massarosa, Italy

The integrated waste management system of the Versilia region is composed of a sorting and RDF production plant in the Municipality of Massarosa (LU) and of a waste to energy plant in the Municipality of Pietrasanta (Lucca), for a total capacity of 140,000 ton/year. The waste to energy plant uses a fluidised bed boiler system for the combustion of RDF produced in the sorting plant located in the neighbouring Municipality of Massarosa (Lucca)

TM.E. built the entire plant on a Project Financing basis.





The plant is located in the Industrial Area of Massarosa at 30 km from the waste-to-energy plant

Legend

- | | |
|---------------------------------|----------------------------------|
| 1 Selected waste collection | 25 Sludge storage area |
| 2 Bag opener | 26 Market refuse storage area |
| 3 Manual pre-sorting cabin | 27 Shredder mixer |
| 4 Removal of ferrous parts | 28 Maturation/Fermentation area |
| 5 Plastic-paper press | 29 Conveyer belt |
| 6 Paper bales | 30 Clod-crusher, feeder, batcher |
| 7 Carton bales | 31 Vibrating screen |
| 8 Plastic bales | 32 Air type sorting machine |
| 9 Eddy current separator | 33 Compost |
| 10 Collection of ferrous parts | 34 Cyclone |
| 11 Scrap | 35 Reycle |
| 12 Press | 36 Packing machine |
| 13 Ferrous parts in bales | |
| 14 MSW reception and storage | |
| 15 Rotating screen | |
| 16 Non-ferrous collection | |
| 17 Shredder | |
| 18 Compactor | |
| 19 Aeraulic separator | |
| 20 Sludge tank | |
| 21 Pre-fermentation drum | |
| 22 Maturation/Fermentation area | |
| 23 Greenery storage area | |
| 24 Chipper | |

Main data of the plant

MSW average treatment capacity	20 t/h
MSW yearly treatment capacity	140.000 t/y
Yearly Stabilisation of organic MSW	56.000 t/y



T.M.E. S.p.A. - Termomeccanica Ecologia

Sede Legale: Via Lodovico Mancini, 5 - 20129 Milano - Italy
Sede Centrale e Amministrativa: Via del Molo, 3 - 19126 La spezia - Italy
Tel. +39.0187.5521 - Fax +39.0187.552215
www.termomeccanica.com • e-mail: box8@termomeccanica.com