

GREEN WAY OF THINKING



PLANTS & WASTE TREATMENT  
COMPANY PROFILE 2020

<http://www.rietermorando.com>



# RIETER MORANDO GREEN

PLANTS & WASTE TREATMENT

# The beginning

## The first machines

In the late 90s, the Company takes its first steps in the waste management field, introducing in its product range the following machines:

- Crushers
- Mixers
- Sorters
- Movable plants

## The first plants

Here are some of the installations realized:

- Eco Deco
- GTC Ecoplants
- Eco Green
- S. Rocco Iniziativa (Ecologica SUD)
- NIMBY (Caruso Gomme, ECOGomma, ROMA)



# WASTE management



**CRUSHERS**



**MIXERS**



**MOVABLE  
PLANTS**

# Double Shaft CRUSHERS

Short working time of cutting medium low-resistant materials, such as:

- Plastic scraps
- Rubber scraps

Hydraulic  
drive

- Fully hardened cutting discs
- Cutting shafts able to rotate with differential speeds
- Two planetary gearboxes
- Two hydraulic motors
- Hydraulic unit
- Electric traction on board
- Reverse rotation in case of overload



Electric  
drive

- Fully hardened cutting discs
- Cutting shafts able to rotate with differential speeds
- Electric traction on board
- Reverse rotation in case of overload

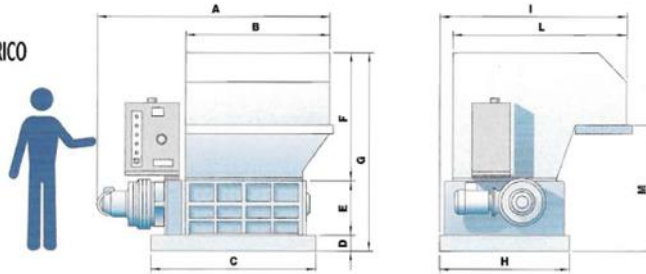
Short working time of cutting high-resistant materials, such as:

- Organic waste
- Truck tires
- Paper Folder Documents
- Metal sheets

# Double Shaft CRUSHERS

TRITURATORI AD  
AZIONAMENTO ELETTRICO

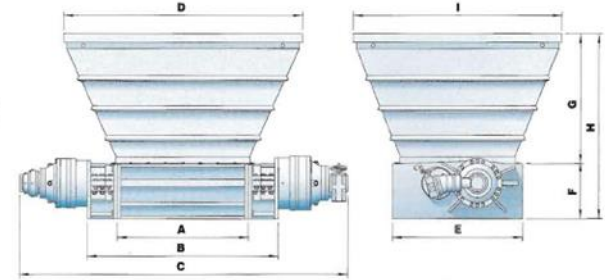
ELECTRIC DRIVE  
SHREDDERS



Tipo/Type	A	B	C	D	E	F	G	H	I	L	M
T05/10B	1300	770	1000	100	320	1140	1560	850	1240	1085	955
T06/15B	1400	850	1250	100	320	1140	1560	900	1350	1270	900
T08/30B	2000	1850	1600	200	415	1400	2015	1000	1850	1500	1100
T10/30B	2200	1850	2070	200	415	1400	2015	1000	1850	1500	1100

Tipo Type	Potenza installata Installed power		Spessore lame Blades thickness mm	Lunghezza camera di tritrazione Shredding chamber length mm
	kW	CV		
T05/10B	7.5	10	15/30	480
T06/15B	11	15	15/30	600
T08/30B	22	30	30/50	800
T10/30B	22	30	30/50	1000

TRITURATORI AD  
AZIONAMENTO IDRALICO  
HYDRAULIC DRIVE SHREDDERS



Tipo/Type	A	B	C	D	E	F	G	H	I
T10/50B	1000	1700	3100	2300	1300	550	1400	1950	2200
T13/100B	1300	2000	3250	2500	1400	600	1500	2000	2400
T15/100B	1500	2200	3750	2750	1400	600	1500	2000	2400
T15/150B	1500	2200	3800	2750	1500	630	1500	2130	2400

tipo Type	Potenza installata Installed power		Spessore lame Blades thickness mm	Lunghezza camera di tritrazione Shredding chamber length mm
	kW	CV		
T10/50B	37	50	30/50	1000
T13/100B	74	100	75/100	1300
T15/100B	74	100	75/100	1500
T15/150B	112	150	75/100	1500

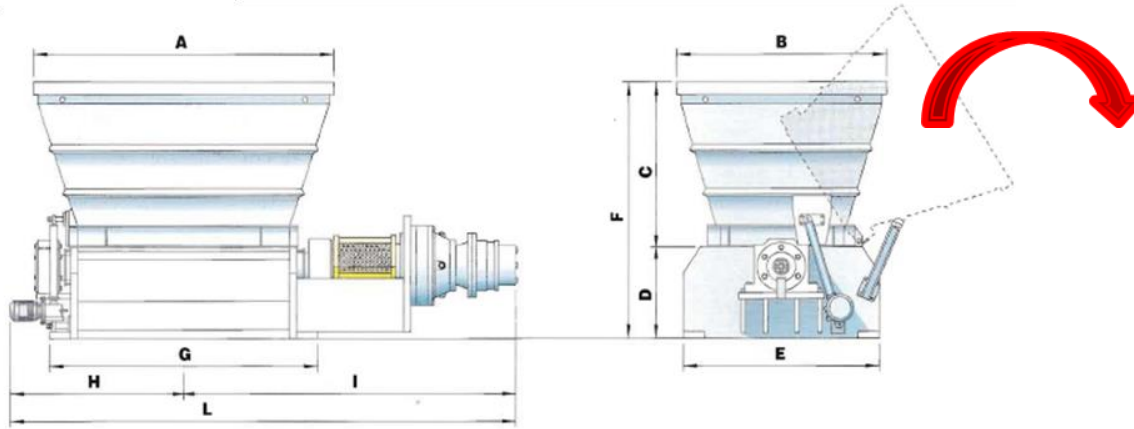


# Single Shaft CRUSHERS



- This machine model is recommended for pre-crushing of waste in a complete line of treatment (mainly plastic waste) to increase the line production speed by adding fine milling machines downstream.
- Our experienced team has designed the primary rotor bringing their know-how on welding and high-resistant covering in extrusion for the heavy clay industry.
- The configuration of the cutting blades with standard or specific design (according to customer needs) can avoid any block of material on the machine's sidewalls.

# Single Shaft CRUSHERS



Easy and quick cleaning and maintenance of the primary rotor through a tilting hopper driven by the control panel.

## DIMENSIONI/DIMENSIONS

Tipo/Type	A	B	C	D	E	F	G	H	I	L
T10/90M	1500	1100	1100	700	1500	1800	1450	1020	2200	3220
T16/100M	2280	1580	1250	700	1500	1950	2020	1270	2550	3820

## DATI TECNICI/TECHNICAL DATA

Tipo Type	Potenza installata Installed power kW CV	Diametro max rotore Rotor max. diameter mm	Numero lame Number of blades	Spessore lame Blades thickness mm	Superficie di lavoro Working surface mm	Numero giri rotore Number of rotor rounds giri/min - r.p.m.	Peso Weight kg
T10/90M	90 120	650	10	50	1020x1000	50	5500
T16/100M	112 150	650	18	60	1620x1000	30	6450



# Movable plants for dedusting treatment



Rieter Morando can provide turnkey solutions responding to customer's needs.

## Strengths:

- No civil works required
- Each part of the system is designed to be easily moved
- Easy assembly and disassembly
- No dust emissions during assembly
- Integrated control cards
- Capable of handling several additives added automatically according to specific recipes within the main software.



# Genius Intensive Mixer



In 2015, Rieter Morando launched the new **GENIUS** machinery Line.

**The Intensive mixer** (on the left) was specifically designed for the waste treatment industry.



# Genius Intensive Mixer



**2015**

The new A & S1 / 860 **Intensive Mixer** has been installed in the new Acqua & Sole plant based in Vellezzo Bellini (Pavia).

Acqua & Sole engaged us in implementing their new fertilizer production plant (*from wastes containing nutrients*) and developing a machine that could suit their needs.

The machine is operational since years, 7 weekdays shifts, 20h a day.

The machine has been running within the new Acqua & Sole continuous cycle process for years, **working 7 days a week, 20 hours a day.**



# Genius Intensive Mixer

from laboratory to production



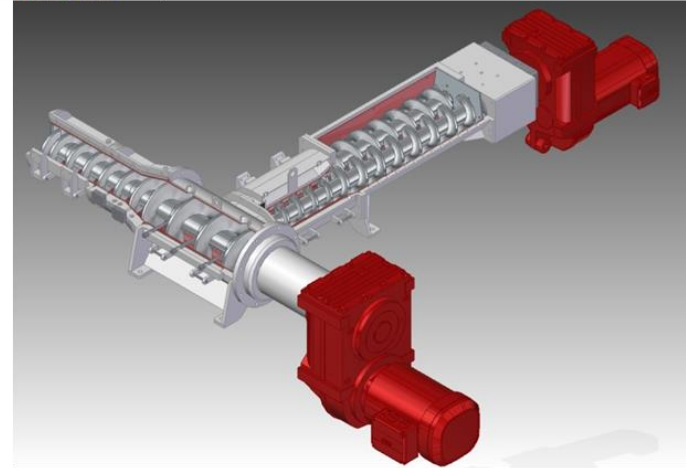
# More projects



## Materials for new energy-efficient building components



Name	Country
S&B INDUSTRIAL MINERALS MINING QUARRYING INDUSTRIAL COMMERCIAL TOURISTSHIPPING TECHNICAL COMPANY SA	Greece
REDCO NV	Belgium
Schlagmann Baustoffwerke GmbH & Co. KG	Germany
THERMAL CERAMICS DE FRANCE SAS	France
NATIONAL TECHNICAL UNIVERSITY OF ATHENS	Greece
D'APPOLONIA SPA	Italy
Morando S.r.l.	Italy
MATERIALFORSCHUNG UND PRUFANSTALT AN DER BAUHAUS UNIVERSITAT WEIMAR	Germany
UNIVERSITAET STUTT GART	Germany
CAE Services GEIE	Belgium
CENTRE SCIENTIFIQUE ET TECHNIQUE DE LA CONSTRUCTION	Belgium
Imprima Construction Cz a.s.	Czech Republic
FENIX TNT SRO	Czech Republic
FIBRAN INSULATING MATERIALS INDUSTRY DIMITRIOS ANASTASIADIS SA	Greece



**You Tube**

**LEEMA Project FP7 channel**

# Our Services



Rieter Morando provides you with its long-term experience in the sector, its technical experts, and its workshop equipped with the best technologies, to offer you:



## **ON-SITE ASSISTANCE**



## **SCHEDULED MAINTENANCE**



## **COMPLETE CHECK-UP**

Disassembly, control and reassembly of the equipment



## **ANALYSIS AND ENGINEERING**

to improve plant efficiency.



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