



panizzolo  
recycling systems

COMPANY PROFILE



It's time to maximize  
the value of **METALS**

Plants for the  
**RECOVERY OF METALS**  
from scrap and waste



## WHO IS PANIZZOLO

### Made-in-Italy technologies up to End-of-Waste treatments

We are the **ideal partner** for all companies facing **sudden changes** in the scrap market. Faced with **more complex waste**, it becomes essential **to rely on new technologies** that are able to support consistent business strategies, **stringent environmental regulations** and the demand for **increasingly refined products**.

**Panizzolo solutions** are designed with this in mind. We continuously pass on **our direct experience** and carry out constant **research and development**, so that our customers can operate profitably until the **complete recovery** of secondary raw materials.

## OUR HISTORY

### Towards the future of the sector

We are an established **Italian brand**, recognised worldwide for the high **manufacturing performance** of the technologies we design. All our activities are governed by a **stringent quality policy**, based on international industrial models and perfected through the historical **activity of direct users**.



1946



**Pietro and Orlando Panizzolo** founded a business based on the scrap and waste trade.

1988

**Mauro Panizzolo** focused the company on scrap processing, **designing** the first hammermills **in-house**.

2005



Definition of the Panizzolo hammer mill with **patented cradle**. The first models were then **marketed**.

2014

Creation of the **Panizzolo Recycling Systems** brand and shift to a policy of supplying **complete** scrap processing and metal recovery **plants**.

2017



**Expansion** of the product range with the **Panizzolo Refining Plant**, including the patented refining mill.

2021

The pandemic does not slow the **company's growth process**. With the expansion and strengthening of its international presence, Panizzolo increments its operation by **opening a third site**.

2023



Creation of the '**Panizzolo Recycling Academy**', focused on supporting customers with specific **training plans**.

**Towards the future of the sector**

## OUR VALUES

We are the ideal partner for your business

*"Reaching objectives **with the customer** is one of the greatest satisfactions at Panizzolo. A satisfied customer is a customer that, with our systems, is doing **good business**".*

Mauro Panizzolo

## Mission

Panizzolo provides **competitive, cutting-edge** metal waste recovery and processing solutions, designed to **maximise** the return on customers' investments.

We are convinced that the optimal design of a plant must be based on three aspects: **profitability, flexibility and simplicity**. Only in this way will companies be able to **keep pace** with market changes and seize **new processing opportunities**.

## Vision

**Efficiency, flexibility and innovation** are benefits working synergistically to turn our recycling processes into **valuable, profitable allies** of the environment.

## OUR CORPORATE PHILOSOPHY

At Panizzolo we strongly believe that people are the **most precious resource** for achieving success as a team and as a company. **We care for our staff** the same way we care for our customers, so that everyone can put into practice and develop their **personal talent and professionalism**.



## What drives our work every day?

### Customer orientation

This means managing the relationship with the customer with **clarity, professionalism and in a timely manner**.

### Professionalism

We apply **established working methods**, representative of the company's mission and vision.

### Responsibility

Each project is managed with the **understanding** that our work is reflected in the long-term achievement of the customers' **business goals**.

### Internal communication

We believe in active **collaboration**, promoting information **sharing** and constructive **discussion**.

## GIVE VALUE TO YOUR SCRAP

What is your treatment requirement?

We specialise in providing technologies for **processing a variety of scrap**, enabling the **optimal commercial valorisation** of metals up to their complete transformation into **secondary raw material**.

Our **technical department** carries out the development of the flow layout after **a careful analysis of the incoming material** and the installation area, ensuring a consistent **development of logistics** and production requirements.

## THE FUTURE LIES IN MANUFACTURING EXCELLENCE



Aluminium



Tins



Armoured Cables



Fridge Compressors



Bottom Shear Scrap



Mixed Metals



Electric motor



Car Engines



Sandwich Panels



Radiators



WEEE (R2-R4)



SUW



Post Combustion Waste



Pulp Waste



Metal Scrap



End-Of-Life Vehicles

## REFINING OF MIXED FRACTIONS

For the recovery of metals from wear-causing waste

Our **refining plant** is designed to process **highly wear-causing** waste categories, allowing their **recycling cycle** to be closed and the contained metals to be **profitably recovered**.

This plant only performs **mechanical treatments**, and specialises in the recovery of the smallest **metal fractions**, resulting in the output of high quality **copper, aluminium, brass and steel** granules that can be classified as **Secondary Raw Materials**.



## REFINING PLANT

- **Copper** from electric motor grinding with the presence of iron, plastic, stainless steel, etc.
- **Fluff** from car grinding (CAR-FLUFF), from mixed metals, from WEEE and from floatation
- **Cables** contaminated by stainless steel, brass, iron and ACSR cables
- **Aggregates** containing metals
- **Alucubond, Aluminium caps**, etc.
- **Other mixed fluff waste** resulting from pre-treatments and containing a mixture of copper, aluminium, steel, glass and cement dust.



## A SINGLE SUPPLIER

### Up to turnkey treatment cycles

Our company boasts the **broadest technology portfolio** dedicated to **scrap processing** and secondary raw material recovery. Our customers can choose **single machines or turnkey installations**, supplied complete with software

for control automation.

The high level of engineering ensures **rapid process upgrades and simple conversions** to different types of scrap.

#### Volumetric Reduction

- Shredders
- Openers



#### Grinding and Separation

- Mobile Hammer Mills
- Stationary Hammer Mills
- Magnets
- Zig-Zag
- Eddy current
- Dynamic Shake
- X-ray
- Sieves

#### Concentration and Refining

- Metal sensors
- Pre-refinery mills
- Refining mills
- Densimetric tables
- Optical separator



## DIRECT EXPERIENCE SINCE 1946

For a high quality production chain

The **many experiences** we have gathered over the years as direct users have been fundamental in developing the **Quality Policy** that sets us apart in the market today. This ensures **high design standards** throughout our production chain, from the initial desi-

gn phase through to after-sales training. With the help of a highly specialised **technical team**, we are aware that our task is to provide **simple and reliable technologies** that sum up the concept **'time is money'**.



## OUR PATENTS

Smart simplicity is the real innovation

In addition to offering the **best** productivity to energy consumption **ratio**, our machines incorporate **patented elements** that improve the treatment process, increasing the **profitable recovery** of secondary raw materials.



### One-of-a-kind hammermills in the sector

With the insertion of a special **patented and interchangeable element**, our hammermills are characterised by the processing of a **greater variety** of scrap metal, **fast** output size **settings** and the **absorption of the most intense vibrations** produced by the processing cycle. In this way, our customers can **immediately achieve excellent results** in terms of production **capacity**, treatment **quality** and **reduced** maintenance costs.

### Refining of highly wear-causing waste

The **patented elements** in our refiner mills guarantee **multiple advantages** when processing waste with high percentages of glass, cement, steel and other **wear-causing** aggregates. The benefits our customers obtain are found in **fully in-line processing**, the elimination of non-marketable sub-products, the recovery of secondary raw materials and the operation of a **flexible and easy-to-use plant**.



## CONTROL AND SUPERVISION SOFTWARE

Optimise treatment according to your business

Using our software you will clearly control the production process of our plants, either on-board or remotely in a simple and autonomous manner.

The use of **automated processes** is a well-known topic, but one that few companies benefit from today. That is why all our plants incorporate **specially developed**

**software** to assist you in the valorisation of your scrap. In fact, our **direct experience** has enabled us to analyse those parameters that directly influence the processing cycle, **guaranteeing full control** over absorption, measurements, pressures and all those data that characterise the standard functionality of technologies and treatment.

## THE MOST IMPORTANT FUNCTIONS

Make a difference in day-to-day management



### Monitoring

Where it is possible to **control the entire production process** and anticipate overloads or abnormal behaviour.



### Processing settings

Where you can **view and customise** specific parameters, creating customised processing **categories** for each **scrap** processed.



### Maintenance

Structured with the dual purpose of **recording and scheduling** routine **control and maintenance** work on individual machines.



### Safety and alarms

Designed to provide you with a **complete diagnosis of any anomalies**, allowing you to clearly identify the problem and **to start back up again** as quickly as possible.



## OUR AFTER-SALES SERVICE

### All-round quality services

We know and understand **needs** that customers **encounter** during the daily **use of our recycling solutions**. For this reason we are continuously **committed** to providing the best **after-sales service** on the market, **supporting** companies from the point of view of warranties, spare parts, assistance and training courses.



### The Panizzolo Warranty

Over the years, our high level of know-how has enabled us to go in-depth into the **design of individual components**, especially in relation to the most strategic elements that determine production performance. This is why every machine we sell follows a well-established testing procedure and incorporates our **special warranty coverage**.

### Original Panizzolo spare parts

Why choose **original Panizzolo spare parts**? Only those who are familiar with the machinery you work with can produce the **best quality** parts. Our complete range of spare parts meets the **most stringent quality standards**, guaranteeing optimum performance in terms of **strength, performance, durability** and **safety**, helping to maintain the production efficiency of the entire plant over time.

### Specific assistance packages

Scheduled **maintenance** packages, operational treatment **consultation**, on-site or remote **assistance** are just some of the **after-sales services** we have created to **support** our customers.

Each of our **machines** has specially designed packages to **avoid** sudden production stoppages or **extraordinary expenses**.

## PANIZZOLO RECYCLING ACADEMY

### Discover our training program

#### Panizzolo Recycling Academy

Our turnkey service ends with the opportunity to **participate in an in-depth training course** aimed at transferring the most important functional aspects of the technologies we design.

The Academy service includes **specialised and technical training**, designed both for customers and

for **operation and maintenance** personnel. Being modular, the course offers streamlined learning in the **shortest possible time**, enabling efficient and safe management even in the long term.

To this end, the Panizzolo Recycling Academy has structured a **learning program** that perfectly combines **theory and practice**, according to our highest quality standards. This ensures an **excellent knowledge transfer** to our customers, allowing them to operate in their target market with a **real competitive advantage**.



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Via Giacomo Matteotti, 6  
35020 Arzergrande  
Padova - Italy

**T** +39 049 9731038  
**M** info@panizzolo.com  
**W** www.panizzolo.com

VAT Number  
IT 03795600281

we are social

