

# FILTERS

Systems of separation, suction  
and filtration



Metal Working srl<sup>®</sup>  
*quando il metallo prende forma*



## Mission

When the metal  
takes shape...  
mankind benefits.



### **METAL WORKING**

is an innovative company, which has diversified its production, creating the divisions:

### **METAL ELEVATORS**

Design, production and services in the field of vertical transport of people and goods. The different modes types of metal structures hosting equipment with elevators, platform lifts or goods lifts.

### **METAL FILTRATION**

Design, development and manufacture of filtration equipment and services, for the air purification in the working processes and industrial processing in different types of industry such as chemical and pharmaceutical industries, food processing, mechanical and recycling.

### **METAL KUNST 3**

Perfect design, for us, is a combination of aesthetics and functionality: we have always realized our solutions according to this principle, studying details in every aspect. Metal Kunst 3, the new company division of Metal Working, is the natural result of this attention to detail. The new division deals with the creation of artistic elements, used as individual furnishing accessories and as artistic details to embellish our structures. Real works of art forged with the collaboration of renowned local artists able to give life to sculptures that can give an added value to any environment.

**The Company benefits from the professional contribution and the consolidated experience its founding members, who have significant experience in the field of metal processing and mechanical devices, and the pool know-how gained in different companies both nationally and internationally.**

Points of strength are the multi specialization and competence of the people working in Corporate and cover key areas such as: Commercial Area, Technical-Production Area, Management and Administrative Area, innovation in the processes of designing and production and the high customization of products.

### **Vision**

The customer is at the heart of our business and the product must be innovative and ahead of the market. To achieve this Metal Working offers flexibility in production and organization, as well as competence and excellent quality.

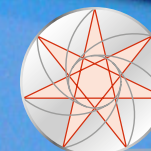
### **Focus**

Distinguishing itself for collaboration and a genuine partnership of supplier and customer.

In Trentino, where excellence  
goes hand in hand with know how.







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Welcome to **METAL WORKING FILTERS**  
where experience, innovation and technology  
result in the best performance.

METAL WORKING FILTERS use high-quality steel, a production process disciplined by operating procedures that minimize the possibility of error, a 3D design system and the experience of highly skilled technicians to achieve results beyond all expectations.

Welcome to the place where excellence is the only possible meeting point.

Metal Working Filters designs and manufactures Filtering Groups for the separation of fine dust particles and impalpable dust particles, widely used as primary and secondary filtration in the working processes and transformation in the chemical industry, food, electronic, photographic, mechanical, and re-cycling.



#### **Polygonal-Unit**

The most versatile line: battery bag or cartridge filtration, high flow rates and filtering surface for a wide range of applications, ideal in areas with high dust concentrations.

#### **Cylindrical-Unit**

Ideal in primary filtration, allows relevant pressures. Made of different materials (SJ235 - 1.4301 - 1.4401) enables filtering of large-scale and high volume, can be used in all areas of industrial processing.

#### **Horizontal-Unit**

Predominantly indicated for the secondary pharmaceutical industry. Widespread in the installations for the atmosphere control in hospitals, laboratories and clean rooms. It is also used in the food and photographic industry.

#### **Vertical-Unit**

It differs from Horizontal Lining because it is modular, customizable up to the required air volume, is also equipped with a filter cleaning system which considerably extends the operational life.

#### **A STRONG AND DYNAMIC PARTNER**

The strength of our company is the flexibility of our design and production staff, even in designing, producing products for every single need, with the ultimate goal of customer satisfaction.

The filter units proposed in our product lines or on drawing boards / required; allow the construction of plants for complete reduction of pollutants, giving the excellent performance also when used in support of machines for the industrial processing.

#### **STANDARD PRODUCTION**

- Cartridge Filters
- Sleeve filters
- Cyclones Separators
- Silo containment
- Substations filter
- Downdraft tables and benches for thermal-cutting
- Filters for smoke, oil mist
- Activated carbon absorbers
- Screw Conveyors extractors and star valves
- Sound-proofed box and cabins
- Pipes and various components



**PRODUZIONE ATEX CONFORME**



**METAL WORKING** puts the customer at the heart of its activities for a relationship of genuine partnership.

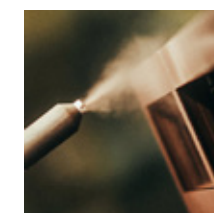
Product of excellence, service beyond expectations and continuous support, **METAL WORKING** overcame the onetime concept of the customer-supplier relationship with an offer by following the market and customer needs through their organization according to criteria of flexibility and efficiency, from design to after sales satisfaction.

#### DESIGNING

The most advanced digital technologies used by experienced technicians (3D CAD) that guarantees unparalleled control standards and testing already in the planning stage. Projects stored for 20 years: maximum guarantee for the customer's investment.

#### CUTTING

The technology helps to get all of the components tested and approved using the three-dimensional models and thanks to sophisticated cutting machineries which combine speed and accuracy of a very high standard.



KnowHow  
 Service  
 Quality

#### BENDING

Three Bending Machines with Precision assisted by the skilled operator's intelligence and experience allows tackling any production challenge, both in terms of quality and quantity.

#### WELDING

MIG and TIG welding performed to perfection carried out by personnel with a certified qualification.

#### PAINTING

Accuracy and quality also during the finishing thanks to an automated system of the latest generation for the powder coating. Speed and guarantee of esthetic and functional results, chemical stability, resistance to abrasion and corrosion in total eco-compatibility.

#### ASSEMBLY

The quality is felt particularly in the details; the assembly phase of the components and when final assessment takes place thanks to the experienced hands of our operators, including packing and delivery.

#### SERVICE

**METAL WORKING** never abandons its customers by ensuring them with pre and post sales support difficult to find in the market. A special relationship that represents the added value of a company that believes in its mission and in the concrete realization of its promises.





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## METAL WORKING, enthusiasm and passion for an environmentally friendly product.

Enabling businesses to work in a healthy and harmonic environment, keeping costs in mind, has become a necessity and the stimulus and enthusiasm to improve continuously our processes and our products.

The aim of METAL WORKING is to become productive partners of all companies sensitive to the problem of pollution and have decided to transform the restoration in productivity tool, effective to qualify in the market their own company and their product.

### CERTIFIED QUALITY

**METAL WORKING** has always believed in the value of certification to define professionalism and as the best way to meet customer's expectations. The company is certified UNI EN ISO 9001:2015.

**METAL WORKING** successfully achieved the UNI-EN- ISO 3834-3:2005 "Quality requirements of welding process by fusion of metal materials".

**All the Filter groups of METAL WORKING FILTERS** are designed, manufactured and checked as required by the essential requirements of Annex I directive 42/2006 CEE of 17/05/2006 relating to the machinery, according to the safety requirements prescribed for Electromagnetic Compatibility directive 2014/30/UE and Low Voltage 2014/35/UE and in accordance with applicable other national and international regulatory norms.

Conformity of **METAL WORKING SRL** to the Norms EN81-20:2014 and EN81-50:2014, for the manufacturing of doors and door flanks, certificate No. 305-01-02-03/17 and 404-01-02-03/17.

**METAL WORKING** was awarded compliance from the Center of Transformation in 2010 DM 01/14/2008 11.3.1.7 CAP certificate Nr.587/10.

**METAL WORKING** in 2012 qualified as "SOA OS 18-A cl. II" in order to take part in competitive bidding by large works.

**All METAL WORKING metal structures** are designed, manufactured and controlled as required essential requisites of the current legislation, Law 1086 of 5/11/1971, UNI EN 81-1, EN 81-2 and DM 14/09/2005.



**EN 1090-1:2009/A1:2011** On 16.07.2014 **METAL WORKING** srl won the certification for conformity of the factory production **CONTROL NO. 0474-CPR856** –Structural components and kits for steel structures.

We achieved the certification **ISO 14001:2015** and **ISO 45001:2018**.

**All METAL WORKING** products are made of top quality steel with testing certificate Q235. STAINLESS STEEL AISI304 DIN 17007, 1.4301 or AISI 316 DIN 17007, 1.4401.

**PATENT VR2010A000040** – Junction/structural intersection  
**PATENT PENDING VR2010A000041** – Antibacterial treatments  
**PATENT PENDING Y011793/STG** – Filter Unit for oily fogs



Metal Working Ltd designs and creates products that comply with the ATEX guidelines 2014/34/UE, equipped with safety systems for environments where the presence of potentially explosive and / or conductive dust which determine the risk.



According to the environmental safeguard we chose to use 100% energy from renewable sources.







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Products

WATCH THE  
GALLERY OF OUR  
REALIZATIONS





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**METAL WORKING SRL**

Viale Dante 300 - c/o BIC – Business Innovation Center  
I-38057 Pergine Valsugana TN - Italy

Telephone +39 0461 531398 - Fax +39 0461 539144

[info@metalworkingweb.com](mailto:info@metalworkingweb.com)

[www.metalworkingweb.com](http://www.metalworkingweb.com)