



SELECTED COMPETENCE



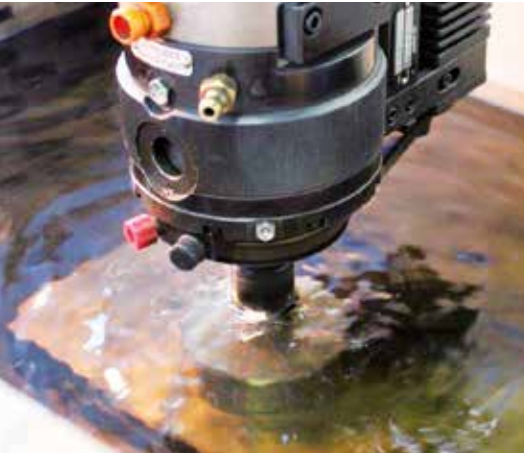
celsia

TUNGSTEN BASED PRODUCTION

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COMPETENCE

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SPECIALISTS IN
THE MANUFACTURING
OF COPPER, TUNGSTEN
AND SILVER BASED
PARTS

DEEPLY ROOTED IN THE
MECHANICAL, ELECTROMECHANICAL
AND HIGH PRECISION
MECHANICS INDUSTRIES



WHO WE ARE



For over 50 years we have been producing in Anzola d'Ossola, Italy, tungsten-based sinters, brazing alloys and electrical contacts for medium and high voltage applications.

We offer customised and innovative solutions, with the main purposes of reducing the usage of raw materials, improve quality and fulfill our customers. Know-how, flexibility, experience, respect of human being and environment are the key elements of our success.



ADVANCED TECHNOLOGY TO OFFER CUTTING EDGE SOLUTIONS



WHAT WE PRODUCE

SPECIALISTS IN THE
MANUFACTURING OF COPPER,
TUNGSTEN AND
SILVER BASED PARTS

Our production includes electrical contacts for medium and high voltage, tungsten/copper and tungsten/silver sintered parts and silver based brazing alloys.

The electrical contacts produced by Celsia are created primarily with our sintered parts. We also use other materials such as copper, iron and brass to complete the items. We support our customers with our know-how and experience, working in co-design to fulfill their specific requests.

We produce tungsten/copper and tungsten/silver sintered rings, cups and bars, in the desired dimensions requested by the customer.

Our brazing alloys differ by the percentage of silver. We supply them in wires, rods, strips, powders and rings of various size. We also provide a wide range of cream or powder brazing fluxes, to be used with our alloys to get higher brazing performances.

1 Electrical contacts for medium and high voltage applications



2 Copper/tungsten and silver/tungsten sintered parts



3 Silver based brazing alloys



WHO WE PRODUCE FOR

DEEPLY ROOTED IN THE
MECHANICAL, ELECTROMECHANICAL
AND HIGH PRECISION
MECHANICS INDUSTRIES

Thanks to the particular properties of our products they are used by many foreign and Italian companies, active in mechanics, electromechanics and high precision mechanics.

Our products cover a wide range of uses. Sintered parts are mainly used for medium and high voltage switches and disconnectors, for arc-welding of electrowelded wire mesh, for diamond tool sharpening wheels, for EDM die-sinking machines. Brazing alloys are used for special and precision welding, particularly requested by the goldsmith sector and armouries.

1 Mechanical industry



2 Electromechanical industry



3 High precision mechanics industry



HOW WE PRODUCE IT

ADVANCED TECHNOLOGY
TO OFFER CUTTING EDGE
SOLUTIONS

Electron beam welding, robotic cells, CNC lathes, silver plating and laser engraving are just a few of the advanced technologies that positively distinguish us in our industry. As a result, we can offer our customers personalized, high quality and cutting edge products.

We also own a modern and efficient R&D laboratory that supports production quality control and the development of new products.

We are UNI EN ISO 9001:2008 and UNI EN ISO 14001:2004 certified.



ELECTRON BEAM
WELDING



MAZAK QUICK TURN
SMART 100S CNC



GALVANIZATION



ROBOTIC
CELLS



HOW MUCH WE PRODUCE

WHERE WE PRODUCE



Sintered production capacity:
60 tons/year

Hot pressing capacity:
3 mln pc/year

Turning capacity:
300 tons/year

Milling capacity:
100 ton/year

Deep drawing capacity:
80 mt/year

Electron beam welding capacity:
50 pc/hour

**Welding capacity in
de-oxidizing furnace:**
1500 pc/day

We are located in North Western Italy in the Verbano Cusio Ossola province, in an area highly specialized in mechanical machining.

Thanks to our close proximity to numerous mechanical factories, we can use their assistance to improve our production capacity and easily tackle workload peaks that the market is prone to.

In addition, since 2007 is operative Dimotek, our establishment located in Dimovo Bulgaria. Equipped with high technology machines and skilled personnel it is nowadays a crucial partner to our company.



Tuned Synergy FOR THE BEST



We first entered the sintered based tungsten market in 1948, since then we have been working hard to develop and broaden our skills and expertise.

Our advanced technology enables us to control the entire production process, from refining minerals to the micro-finishing operation.

Thanks to the knowledge and the stable ownership of the Tedeschi family, we are proud to be an independent player in the global market.

We are highly motivated to meet any challenge the market presents, with a mission of fulfilling all customer expectations.

Our confidence with being able to transform ideas, needs and requests into successful products lets us look towards the future as a source of opportunity.



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