

||||| TRED[®]

T Technology
R Research
E Experience
of
Diamond



**an italian history
since 1983**



A close-up photograph of a diamond-coated abrasive wheel. The wheel consists of a metal core with several circular holes and a thick, textured outer layer of diamond particles. The lighting highlights the metallic sheen of the core and the granular texture of the abrasive surface.

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T echnology

T.R.E. D. Srl is an Italian company. Founded in 1983 on the initiative of Mr. Carlo De Palo, it is specialized in manufacturing Diamond and CBN-ABN abrasive tools, realized with the electro-plating technology.

Some of the results achieved with T.R.E. D. Srl research:

- controlled deposition of the abrasive;
- 3 different kinds of bond, according to the final application;
- **HD645** treatment of the abrasive, used for modifying its physical features;
- **"P3"** deposition cycle for increasing the resistance to the strong stress of the tool.

Research



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E xp erience


Ability to analyze process problems and propose constructing solutions of the support, using the most appropriate abrasive.



Acknowledgment of the abrasives and their features, in order to propose the most suitable solution to the customer needs. The abrasives, Diamond and Cbn-Abn, used by T.R.E. D. srl are exclusively supplied by Diamond Innovation and Element Six.

Diamond



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FABBRICA
UTENSILI DIAMANTATI



Time Line



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1987

1987- Realization of a own property factory with 350 m² of producing surface. Here it has been used the first CNC machine and it has been realized a metrology lab. In this way it started the production of tools with controlled geometry and shape. The company started to be known on the international market also, having the first contacts abroad.

1995 - It has been realized a new factory, changing the society also, that became TRE D srl. This factory had a surface of 900m². During this year it begins the business relationship with FIAT AVIO. The ability to propose solutions to the production problems of FIAT AVIO, the help in reducing the lead times that become 10-20 working days (instead of 2-3 months), have increased in FIAT AVIO the confidence in TRE D srl. Moreover, thanks to the elastic and dynamic structure of the company, customer urgencies have been satisfied in 2-4 working days.

1995



2007

2007- The growing trend doesn't stop, and for this reason it has been realized a new factory of 2500 m², placed in Molfetta. The factory satisfies the quality and times requirements of a more demanding market. The new place is totally independent for tools production and it can guarantee very short and sure production times. TRE D Srl becomes T.R.E. D. Srl. Today the company consists in 27 work units.



TRED

resin bonded

The produced items are: shaped milling cutters, files, grinding wheels for internal, grinding wheels for external, shaped wheels, wheels for threads creators, wheels for automotive, wheels and blades for hard metal, wheels, milling cutters and blades for stone materials, wheels and blades for fibre-glass and for thermosetting plastics, special tools and tools on drawing with profile and roughness certification.

P
roduct Range

electroplated



dressers



aerospace



**mechanical
industries**



Application field

**rubber & fiberglass
plastics**

T.R.E. D. srl, leader on the national and European market. It has distributors and final customers in all the European community and many other countries.



stone



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Thinking Green



The structure and the equipments of the new T.R.E. D. Srl has been realized with high attention for the environment, and for this reason it obtain in 2008 year the certification ISO14000 and consequently the EMAS registration.

Moreover, the photovoltaic system built on the factory produce the 45% of the consumed energy, reducing the Co2 emissions of 42.000 kg/year.





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