COMPANY PRESENTATION

OUR TECHNOLOGIES

ELECTROPLATED TOOLS DIVISION

RESINOID AND METAL WHEELS DIVISION

DRESSER TOOLS DIVISION

MECHANICAL WORKING DIVISION

LITD®
IL DIAMANTE NELL'INDUSTRIA

ELECTROPLATING TOOLS DIVISION

This technology is used in many industrial sectors thanks to the high removal speed, constant profile and low cost.

- Diamond files
- Files for Diprofil devices
- Internal grinders
- Shaped grinders
- Electroplated discs
- On drawing wheels

LITD®
IL DIAMANTE NELL'INDUSTRIA

RESINOID AND METAL WHEELS DIVISION

Resinoid and metal bonded wheels are produced in various shapes and are used in many sectors.

- Diamond wheels and peripheral CBNs
- Diamond and front CBN wheels
- Rodents and metal lappers
- Resinoid and metal discs
- On drawing wheels

LITD®
IL DIAMANTE NELL'INDUSTRIA

DRESSER TOOLS DIVISION

This technology makes possible to realize the following tools:

- Single and multiple diamond dressers
- Circular diamond dressers
- Natural and synthetic diamond plates
- Manual dressing tools
- Profiling rollers with simple and complex section
- On drawing profiling tools

LITD®
IL DIAMANTE NELL'INDUSTRIA

MECHANICAL WORKING DIVISION

The LITD is also able to perform:

- Machining and grinding of hard metals
- Machining and grinding of steels
- Ball molding equipment
- Cutting group equipment
- Punches and extrusion dies

LITD®
IL DIAMANTE NELL'INDUSTRIA

OUR STRENGTHS

- LONG-TIME EXPERIENCE
- COMPLETE RANGE OF THE WORLD OF INDUSTRIAL DIAMOND
- HIGH QUALITY STANDARD
- PRODUCTION ON SERIES AND ON DRAWING
- ITALIAN PRODUCT
- MAXIMUM ATTENTION TO THE CUSTOMER

LITD®
IL DIAMANTE NELL'INDUSTRIA

DIAMOND AND CBN TECHNOLOGIES

GALVANIC BONDING WHEELS

RESINOID GRINDING WHEELS

METALLIC BONDING WHEELS

LITD®
IL DIAMANTE NELL'INDUSTRIA

DIAMOND
FOR WORKING HARD METALS

Thanks to its enormous hardness, diamond is suitable for the processing of the following materials:

- Hard metals
- Metalloceramic materials
- PCD
- Glass
- Ferrite
- Graphite
- Synthetic materials strengthened with fibers
- Precious and semiprecious stones

LITD®
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CBN O BORAZON
FOR WORKING STEELS

Steel has a great affinity with carbon. The diamond is made of pure carbon, so it is not suitable for this processing. Due the high temperatures made during the grinding process, the steel subtracts the diamond carbon atoms. This causes the destruction of the diamond's abrasive grain.

The CBN is composed of the boron and nitrogen elements. In the CBN there are no carbon atoms and this, contrary to what happens for the diamond, makes it suitable for the processing of steel. With the CBN it is possible to mainly rectify the following materials:

- Hardened steels starting from a hardness of approx. 54 HRc
- Quick steel (HSS)
- Stellite
- Nickel based superalloys

LITD®
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