

CNC



## Diamond cutting and polishing tools for CNC machines

GTOOLS are state of the art in diamond application for industrial purposes. Ghines has taken advantage of each diamond processing technique (**sintering, vacuum-brazing, electroplating, vulcanization with abrasive strips and with resin**) obtaining a set of shaped wheels where each tool represents the best possible solution pertaining to its function.

Ghines has to date the maximum control on the entire production process, from the manufacturing of the metallic supports to the diamond application. The geometry of each single tool is achieved with the necessary increment so that all the steps can be accomplished without modifying the spindle trim. Thanks to the accurate manufacture and to the capability of our tools to keep their shapes, replacing the single wheel is now possible without resetting all the other tools configuration with a substantial saving in time and money and with the achievement of the best finishing degree possible today.

GTOOLS wheels are suitable for any stone material and fit any manual or CNC machines.



Able to meet any challenge



**Wheel description**

**Function**

<b>Green</b>	Stock removal
<b>Black</b>	Shaping
<b>Red</b>	Honing
<b>Yellow</b>	Finishing
<b>White</b>	Pre-polishing
<b>Blue</b>	Polishing
<b>Orange</b>	Final Buff
<b>White</b>	Pre-polishing
<b>Blue</b>	Polishing
<b>Orange</b>	Final Buff

Diamond wheels

**RUBBER** polishers

**Sintex** polishers



Customizable profiles by request

An absolute precision is required for manufacturing CNC tooling: diameters, heights, radiuses... all the parameters have to be observed with zero tolerances, above all when it comes to wheels with a non-deformable diamond application such as ours.

The segmented sintered GREEN wheel allows a gross rough shaping of the workpiece ensuring an easy and quick stock removal. The vacuum-brazed BLACK wheel, always keeping its true shape, ensures an accurate and unchanging shaping. The electroplated RED wheel guarantees a perfect honing, never losing its shape.

The metallic YELLOW wheel, thanks to a very fine diamond application and to an high mechanic precision, offers the best finishing degree possible today. The RUBBER vulcanized wheels, manufactured under Ghines patent, incorporate diamond into a rubber strip devoid of any irregular step. They have a controlled expansion allowing, with no pressure, a perfect contour matching until the desired polishing is achieved.

The SINTEX resin polishing wheels are made of the same rubber support as of the RUBBER ones with an abrasive continuous band coating of 1,5 mm guaranteeing longer life and better polish when processing tough materials.

RUBBER and SINTEX are interchangeable without resetting the tool configuration. Turns out: very good polish on whichever type of material, excellent performance and guaranteed noiselessness. From 5 to 7 passages (in respect to the different materials) are sufficient to achieve the desired result, with a remarkable save of money, working time and space in your CNC machine tools rack. GTOOLS wheels are suitable for any stone material and can be used on any manual or CNC machine, modifying on request dimensions and connection. Besides, in addition to the standard profiles, GHINES manufactures customized profiles.



Cutters of any type



Tools for grooves



**RUBBER** polishers

**Sintex** polishers

GTOOLS Rubber and Sintex polishing wheels are interchangeable without resetting the tool configuration. GTOOLS guarantee the best polish on any material.

Discover high quality results with **GTOOLS!!**

All the illustrations are purely indicative. The hereby enclosed data can be modified by the manufacturer at his discretion and without any notice