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ELITE GBT 850 DUO

CNC grinding machine for carbide tooth sides
equipped with cooling

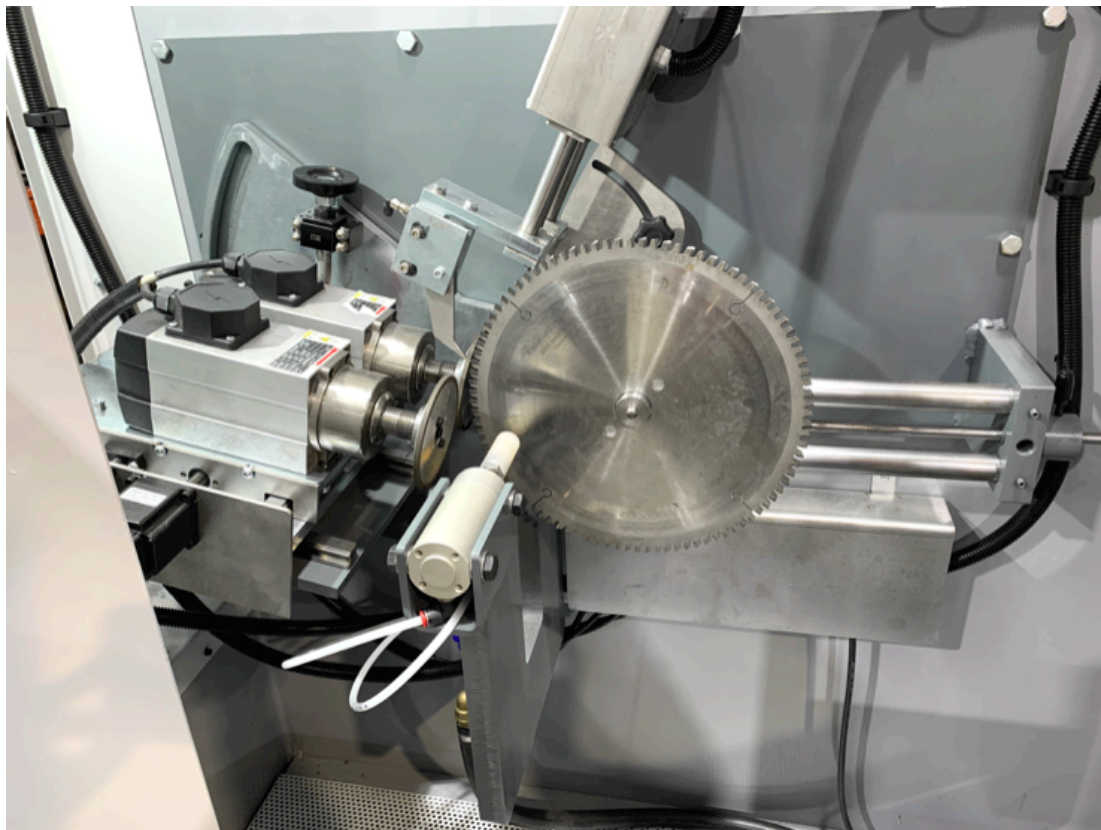
Double wheel system

For the manufacture or repair of circular saw blades
with tungsten carbide teeth.



The ELITE model GBT 850 DUO is our CNC grinding machine for the flanks for circular saws with tungsten carbide teeth.

This version is equipped with double grinding wheel and its operation is CNC with LCD screen. It allows a precise and fast grinding of the flanks of the teeth to manufacture carbide circular saws or carry out teeth replacement



Saw diameter from 100 mm.

For grinding the flanks of scoring discs or portable machines.

Allows indexing of any type of tooth pitch.

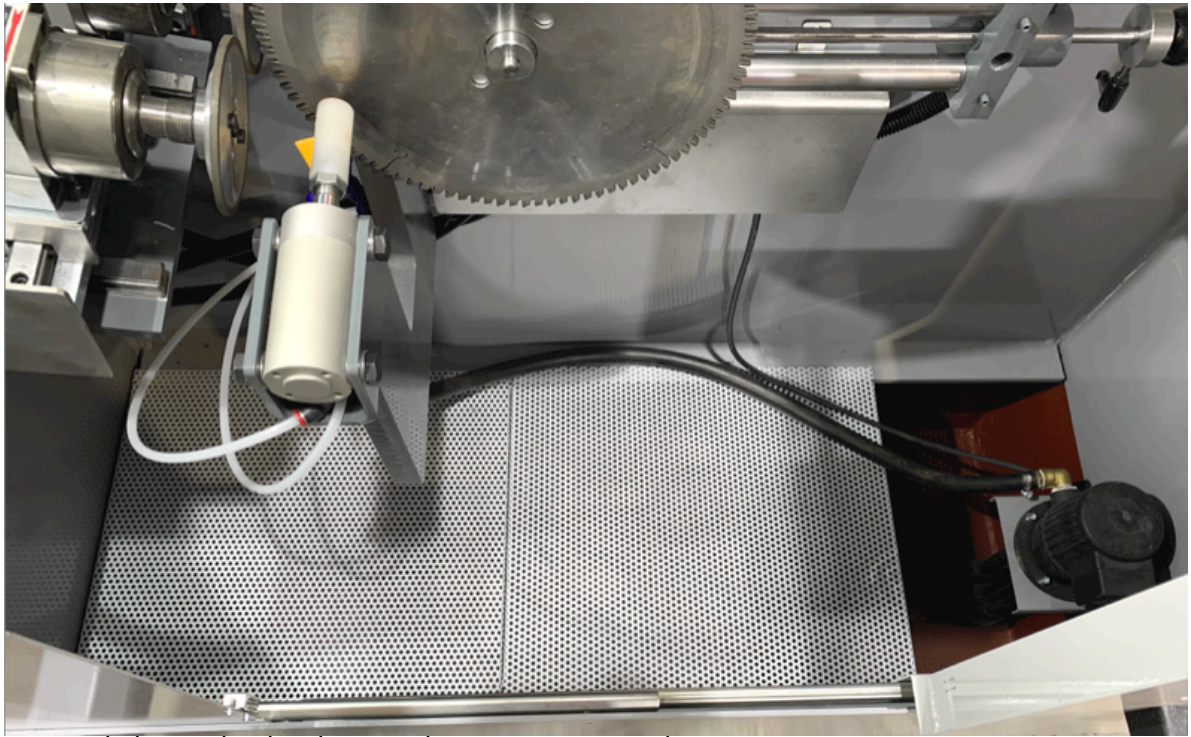


Control panel of simple and fast use

The machine includes a led cabin light as standard.

The control panel allows selection of left or right rotation of the sharpening stone.

The grinding wheel motors with a direct motorized spindle system are adjustable from 5,000 to 9,000 RPM for optimum sharpening quality with minimal stone wear. It is driven by a frequency inverter.



Integrated refrigeration equipment

Allows wet sharpening for better sharpening quality and longer life of the sharpening stone.

It integrates a 200-liter tank with removable grids for easy cleaning.



Easy access

Clean design and easy access for service or repair of the machine.

The electrical panel is located at the bottom and the mechanics at the top of the machine, protected by an easy-to-open cover.

SPECIFICATIONS

Saw blade diameter	from 100 to 850 mm (from 4" to 33.5")
Saw blade hole diameter	From ø10 mm.
Sheet thickness	Up to 10 mm.
Tooth pitch	From 1 to 125 mm.

FLANK GRINDING

Sharpening path	Up to 40 mm.
Rake angle	From +15° to -30°
Radial cutting angle	From -5° to +6°
Tangential cutting angle	From 0° to 8°

REFRIGERATION EQUIPMENT

Reservoir capacity	220 liters
Coolant flow rate	Up to 40 liters/minute

TECHNICAL DATA

Automation	Using 4 CNC axes (X, Y1, Y2, A)
Clamping the saw	By pneumatic piston
Motor wheel	0.75 kW (each unit)
Wheel speed	adjustable from 5000 to 9000 RPM
Diameter of grinding wheel	ø100 mm.
Diameter of grinding wheel hole	ø20mm.
Dimensions of the machine	1410 x 1225 x 1800 mm.
Connection	230V/400V, 50/60 Hz. Total connected power: 3.3 kW - Requires a pressurized air supply >6 Bar
Machine weight	840 Kg.

HIGHLIGHTS

- Any pitch of the tooth is possible
- Integrated refrigeration equipment
- Robust and very simple design that allows continuous use of the machine without breakdowns
- Easy to use
- Very compact machine with a wide range of disc diameters: from 100 to 850 mm.

We reserve the right to make design changes in the interest of technical progress.

www.elite.es

DOWNLOADS



CATALOG



Model	TOP GRINDING	FACE GRINDING	BACK OFF GRINDING	SIDES GRINDING
AVB 850	All tooth shapes	All tooth shapes	NO	NO
SVG 850	All tooth shapes	Flat teeth	YES	NO
MD	All tooth shapes	All tooth shapes	NO	NO
MVB 850	All tooth shapes	Flat teeth	NO	NO
MD mini	Flat teeth	Flat teeth	NO	NO
GBT 850 mono	NO	NO	NO	One side at a time
GBT 850 DUO	NO	NO	NO	Two sides at a time
GBT 851 DUO	NO	NO	NO	Two sides at a time