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## ELITE SVG 850

Automatic sharpening machine for the top and face of carbide tipped circular saw blades from 100 to 850 mm diameter

With 5 CNC axis for a complete machining of all common tooth geometries in one cycle



The ELITE model SVG 850 is our new sharpening machine for the top and the face of all common tooth geometries in circular saw blades with carbide tip.

For saws from  $\varnothing 100$  to 850 mm.

It uses the famous system with peripheral grinding wheel to achieve a sawblade with a very smooth cutting



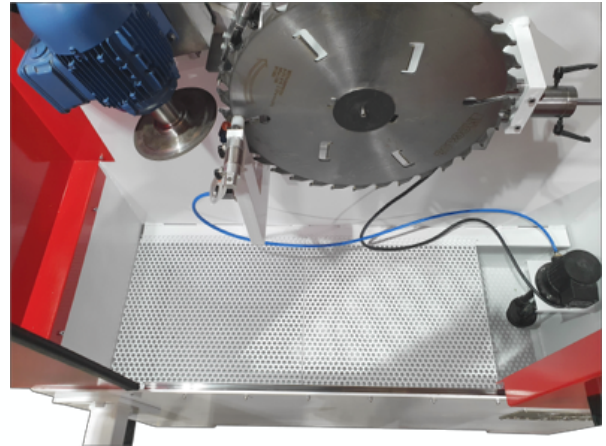
## Machine control panel

It allows the programming of the machine, among the programmable values are:

- Tooth angle programming: The grinding wheel axis will automatically move to the value entered in the program.
- Sharpening path
- Sharpening load
- Sharpening speed
- Tooth pitch
- Advancement speed of the tooth advancement claw
- Number of teeth
- Broken teeth

## Coolant tank

Big coolant tank with capacity up to 225 liters



## Version with half enclosure

To get the same machine in its most economical form



## Version with full enclosure

With same exterior size and an easy to open door

# SPECIFICATIONS

## Technical data

|                                |                                       |
|--------------------------------|---------------------------------------|
| <b>Saw blade diameter</b>      | from 100 to 850 mm (from 4" to 33,5") |
| <b>Saw blade bore diameter</b> | From ø10 mm.                          |
| <b>Blade thickness</b>         | Up to 8 mm.                           |
| <b>Tooth pitch</b>             | Up to 125 mm.                         |

## TOP GRINDING

|                        |                   |
|------------------------|-------------------|
| <b>Clearance angle</b> | From +5° to +25°  |
| <b>Bevel angle</b>     | From -45° to +45° |
| <b>Grinding path</b>   | Up to 25 mm.      |

## FACE GRINDING

|                      |                  |
|----------------------|------------------|
| <b>Hook angle</b>    | From -10 to +25° |
| <b>Grinding path</b> | Up to 25 mm.     |

## Technical data

|   |   |
|---|---|
| <b>Grinding wheel motor</b>                   | 0,33 kW   |
| <b>Grinding wheel speed</b>                   | Adjustable from 2500 to 5000 RPM  |
| <b>Grinding wheel diameter for top shape</b>  | ø150 mm   |
| <b>Grinding wheel diameter for face shape</b> | ø175 / Ø200 mm  |
| <b>5 CNC axis</b>                             | A: Feed pawl, B: Tooth hook angle, X: Sharpening load, Y: Tooth bevel angle, Z: Sharpening travel |
| <b>Machine dimensions</b>                     | 1410 x 1225 x 1800 mm.  |
| <b>Machine weight</b>                         | 640 Kg  |
| <b>Available versions</b>                     | Half enclosure - Full enclosure.  |

## HIGHLIGHTS

- 5 CNC axes for automatic work programmable from the control panel
- Programmable tooth pitch
- Automatic sharpening of the top and face of circular saw blades with carbide tips
- 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](http://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 |