

## CNC-F810

### CNC FACE GRINDER FOR TCT CIRCULAR SAWS

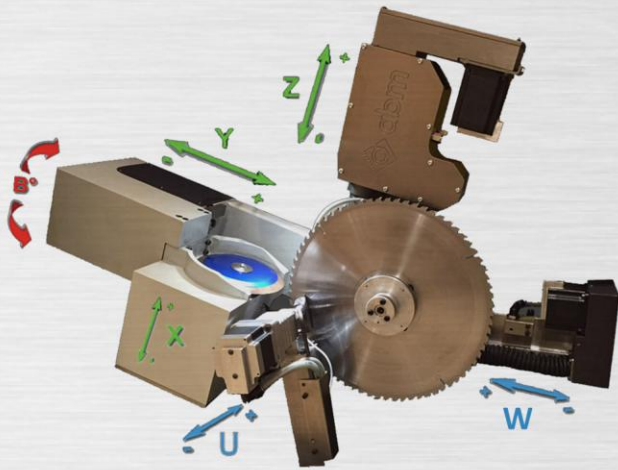
*With 6 CNC-Controlled Axes*

*Ø200mm Wheel, Servo Spindle System*



**abm**  
Grinding Technologies

# CNC-F810



- (X) Infeed Axis
- (Y) Grinding Axis
- (Z) Indexing Axis
- (A) Bevelling Axis (OPTIONAL)
- (B) Back clearance – hook angle Axis
- (U) Clamping Axis
- (W) Blade Carriage Axis

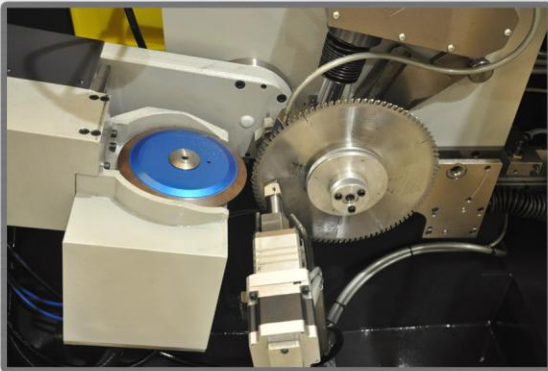
## GENERAL FEATURES

- Servo spindle system (ABM patent) for the unique wheel control.
- Perfect grinding surface by  $\varnothing 200\text{mm}$  diameter grinding wheel.
- 6-AXES CNC-CONTROL.
- Special plating on mechanical components ensure non-corroding and hardening.
- Ready tooth form programs.
- Independent grinding speed selection for grinding flats, rights and lefts.
- Maximum outside diameter  $\varnothing 810\text{mm}$ .
- Clamping by Microstep motor ensures automatic clamping distance control, clamping torque control and blade thickness.
- Central lubrication system reducing maintenance and increasing machine life.
- Totally enclosed cabin, separate electrical cabin and machine cabin.
- Ready for oil coolant.
- Operator friendly machine program interface for ease of use.
- Ergonomic cabin for ease of set-ups.
- Special software for grinding strobe saw (multirip saws) and double-side scoring (split-scorer) blades.(optional)

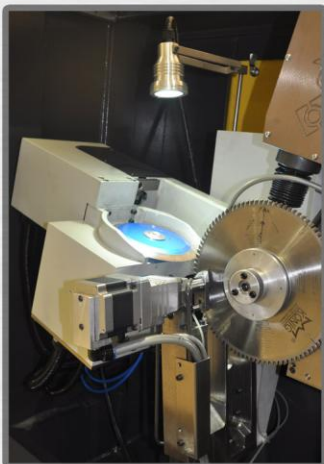
**“Superior grinding surface results”**

## TECHNICAL SPECIFICATIONS

- |                                   |                                       |
|-----------------------------------|---------------------------------------|
| • Circular Saw Outside Diameter   | $\varnothing 100\text{-}810\text{mm}$ |
| • Bore Diameter                   | from $\varnothing 12\text{mm}$        |
| • Blade Thickness                 | Maximum 6.0mm                         |
| • Tooth Pitch                     | Maximum 100mm                         |
| • Grinding Angle                  | $(-10^\circ) (+30^\circ)$             |
| • Bevel Angle                     | (OPTIONAL) $\pm 45^\circ$             |
| • Grinding Wheel Outside Diameter | $\varnothing 200\text{mm}$            |
| • Grinding Wheel Bore Diameter    | $\varnothing 32\text{mm}$             |
| • Coolant Motor Capacity          | 50lt/min.                             |
| • Coolant Container Capacity      | ~110lt.                               |
| • Connected Load                  | 3.5kW                                 |
| • Power                           | 380V, 3Ph, 60Hz                       |
| • Net/Gross Weight                | 750/800 kg                            |



Automatic broken teeth skip and variable pitch indexing by intelligent finger. Optional pneumatic system for split scorer grinding in one pass.



Torque, distance and automatic blade thickness control by microstep clamping.



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