

# DENTACOMBI 160

The autonomous grinding machine for the production of new HSS and solid carbide circular saws



## UNIQUE

- ✓ Chamfering in the same clamping from saw blade Ø 30 mm
- ✓ Integrated 24-hour autonomy for highest productivity at lowest costs





## Technical Data

### Working range

Teeth cutting	Ø 20 - 160 mm
Chamfering	Ø 30 - 160 mm
Grinding of chip splitting grooves	Ø 20 - 160 mm
Tooth shapes	A, B, Bw, C (options: Vario, special shapes)
Number of teeth	2 to 1000
Saw blade thickness	up to 20 mm

### Process data

Spindle power	5 kW
Cooling lubricant	Emulsion or grinding oil
Grinding wheel sharpening	CBN, Ø 250 mm
Grinding wheel chamfering	CBN, Ø 100 mm or smaller
Grinding wheel chip splitting grooves	CBN, Ø 30 to 50 mm

### Measurements

Length x width x height	2560 x 1600 x 2105 mm
Weight	approx. 5200 kg
Mains connection	400V/50 Hz
Power consumption	approx. 10 kVA
Compressed air	6 bar

# Unmanned complete machining around the clock

## DENTACOMBI 160 - For autonomous production of circular saw blades

### From the user, for the user

#### Your benefit based on our experience!

ALESA AG has been known since 1934 as a specialist in circular saws for processing metals and steel materials.

Based on this priceless experience, ALESA has developed extremely efficient grinding machines, making them an indispensable pillar in the production of HSS and solid carbide circular saws.



### Advantages of the DENTACOMBI 160

#### Unmanned complete machining

- ☑ The integrated automation gives the grinding machine an autonomy of up to 24 hours
- ☑ Due to the integration of automation, machine loading is optimized for cycle time and reliability
- ☑ Circular saws are completely machined in one clamping, including chamfer from saw blade Ø 30 mm
- ☑ All common tooth shapes and geometries are feasible, including vario and special toothing
- ☑ All angles are freely adjustable - rake angle, clearance angle and chamfer angle
- ☑ Ideal for machining of HSS and solid carbide circular saws

#### Additional benefits (optional)

- ☑ Additional spindle to grind chip splitting grooves in the same clamping

#### User-friendliness

- ☑ Programming is child's play with our intuitive user guidance
- ☑ Quick access to your most important saw blade data to start production fast
- ☑ The automation cell is refilled without interruption of circular saw production

#### Quality and safety

- ☑ After the automatic dressing and measuring of the grinding wheels, the tool parameters are automatically corrected for constant dimensional accuracy
- ☑ Highest grinding quality and repeat accuracy thanks to thermal stability, vibration damping and complete machining in one clamping
- ☑ Optimum cooling with grinding oil or emulsion

### Your ADDEDVALUE

With this future-oriented circular saw production machine, you will delight your customers and company owner in three ways!

- ☑ with minimal operating costs
- ☑ with highest quality
- ☑ with round-the-clock production capacity



## Other products by ALESA Maschinen AG



### **REDENT 400**

The versatile sharpening machine for resharpening, re-cutting and chamfering of HSS and solid carbid circular saws



### **FLEXCOMBI 200**

The flexible and compact machine concept for high-precision volume production with double grinding capacity

## Tools by ALESA AG



### **Precision tools**

Tools with indexable inserts, NUTEX tools, circular saw blades and side milling cutters

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