

FS 2A

**Automatic side grinder for machining
carbide-tipped circular saw blades.**




Specifications at a glance:

Circular saw blades			
Outside diameter			
(for version without full enclosure)	100	to	810 mm
(for version with full enclosure)	100	to	650 mm
Bore diameter		from	6 mm
Tooth pitch		from	6 mm
Blade thickness		to	5 mm
Rake angle	0°	to	30°
Radial clearance angle	-3°	to	+5°
Tangential clearance angle	0°	to	3°
Grinding wheel outside diameter			100 mm
Delivery output, coolant pump			50 l/min
Coolant tank capacity		appr.	60 l
Total connected load		appr.	2.6 kW
Weight		appr.	630 kg
Dimensions without full enclosure	129 x 72 x 180	cm	
Dimensions with full enclosure	129 x 72 x 200	cm	

This machine grinds the flanks of carbide-tipped circular saw blades up to a diameter of 810 mm. It was especially developed as a low-cost alternative for the grinding of straightforward small and medium sized saw blades.

The machine is hard-wearing and uncomplicated, while complying with all demands made on a modern side grinder.

The tooth flanks of carbide-tipped circular saw blades are machined on both sides at the same time by using two grinding

wheels. Teeth are completely finish ground in a single saw blade pass. The feed path can be precisely adjusted using the two dial gauges. Any existing offset relative to the saw blade centre is compensated by a centre correction device without altering the previously adjusted kerf width. Machine settings, for example adjustment of the tooth pitch or grinding path, are simplified by use of the inching mode.

Determination of tangential clearance angles is made easier through stepless adjustment. The powerful drive motors are protected by covers which can be simply swivelled out of the way for cleaning purposes.

An efficient water cooling system is provided, and a mobile water tank ensures



outstandingly simple coolant exchange. A steplessly adjustable grinding path and grinding speed also ensure outstanding grinding results, allowing stock removal to be optimized in conjunction with grinding speed.



The central control desk is located within easy reach and viewing distance of operating staff. After setting the necessary parameters, the machine operates automatically and comes to a standstill after machining the set number of teeth.



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