

Simplex Rapid

A TRADITION OF QUALITY



AFC

HIGH-SPEED GRINDER FOR TOOLS AND CUTTING MANDRELS

High-Speed Grinder for tools and cutting mandrels purposely studied for roughing, finishing and regrinding the tools normally being used on the spring coiling machines (cutting mandrels, coiling finger, pitch and cutting tools).

Grinding wheels : thanks to its special preshaped wheels (which are available both in diamond version for S.C. tools and CBN version for H.H.S. tools) , cut-off mandrels with perfect surface finishing can be obtained very quickly and easily with micrometric precision.

Mandrels for rotary cut : prismatic saddle with micrometric adjustment for the cutting angle of the mandrels for rotary cut, complete with 1 set (14 pcs.) of spacers for out-of-centre mandrel grinding.

Standard accessories

- a practical support in electro-welded sheet steel with a compartment for the accessories
- a dust suction device (with a reusable dust bag)
- a separate electric panel with relevant keyboard and an electronic board for a quick wheel braking in case of any emergency stop
- 1 off motor 0.7 kW 220/380 V – 2800 rpm
- 1 off ground working table, adjustable on 2 working planes, with micrometrically adjustable goniometer, to grind both the pitch and cutting tools
- 1 off rotary chuck translating holding unit with micrometric adjustments
- 2 off special pre-shaped grinding wheels in diamond version for solid carbide tools (1 with radius for cutting mandrels shaping and 1 flat type to finish and/or chamfer both pitch and cutting tools)
- standard wrenches and user's instructions

Accessories on request

- rotating chuck, type "1", assembled on ball bearings and translating with a micrometric axial shift. Complete with centering and off-set shims for the cutting mandrels. Suited for tools with a rectangular section up to 12 x 16 mm
- rotating chuck, type "2", assembled on ball bearings and translating with a micrometric axial shift. Complete with centering and off-set shims for the cutting mandrels. Suited for tools with a rectangular section up to 20 x 30 mm
- motorization of the rotating chuck, type "2"
- prismatic saddle with micrometric adjustment for the cutting angle of the mandrels for rotary cut, complete with 1 set (14 pcs.) of spacers for out-of-centre mandrel grinding.
- pneumatic device – Vortex – for grinding wheel cooling
- lamp



	AFC 1	AFC 2
Ø Grinding wheels (mm)	200	200
Max. tool size (mm)	12 x 16	20 x 30
Electric power (kW)	2.35	2.35
Dimensions (LxWxH mm)	600 x 850 x 1400	600 x 850 x 1400
Net weight (kg)	130	140

