



## CG - CRANKSHAFT GRINDING MACHINES



AZ spa | MACHINE TOOLS

**model**  
**CG260-1500**

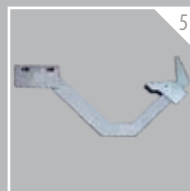
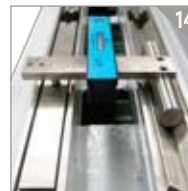


- UNBEATABLE ACCURACY
- WORKING TIME DRASTICALLY REDUCED
- EASY TO DRIVE



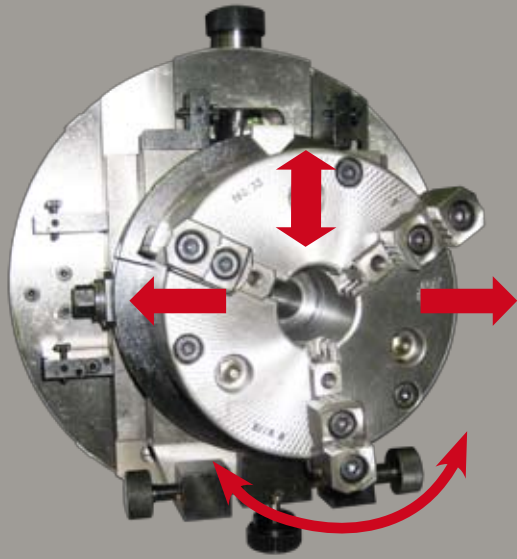
## STANDARD EQUIPMENT

- Air cushion system for head displacement
- Low voltage electric controls (24V)
- Electronical variable speed of the headstock
- Oil-hydraulic system and coolant system
- Centralized lubricant system
- Crankshaft centering fixture with dial indicator (1)
- Crankshaft journal checking square (2)
- Head offset measuring device with indicator (3)
- Wheel face, side and radius dresser (diamond excluded)(4)
- N. 2 precision self centering chucks 160 mm. dia. (5)
- N. 1 steady rest (6)
- N. 2 driving dog capacity from 20 to 75 mm and N. 1 driving dogs capacity from 70 to 140 mm (7)
- N. 2 driving plates for drivers (8)
- N. 2 conic centers (9)
- N. 1 blunt center (10)
- Grinding wheel 660-203 mm. dia. 25 mm. thickness (11)
- Wheel balancing arbor (12)
- Grindwheel hub puller (13)
- Template for levelling the machine (14)
- Motor pulley for reduced grinwheel (15)
- Service tools (16) and Operating manual



1. AZ410 Diamond and rest 1,5 kt
2. AZ390 Grinding coolant (5 liters)
3. AZ421 Pair of flanges
4. AZ770 Continuous journal sizing gauge (25-110 mm diameter capacity)
5. AZ771 Measuring fork, range from 100 to 200 mm for AZ 770

## RECOMMENDED EQUIPMENT



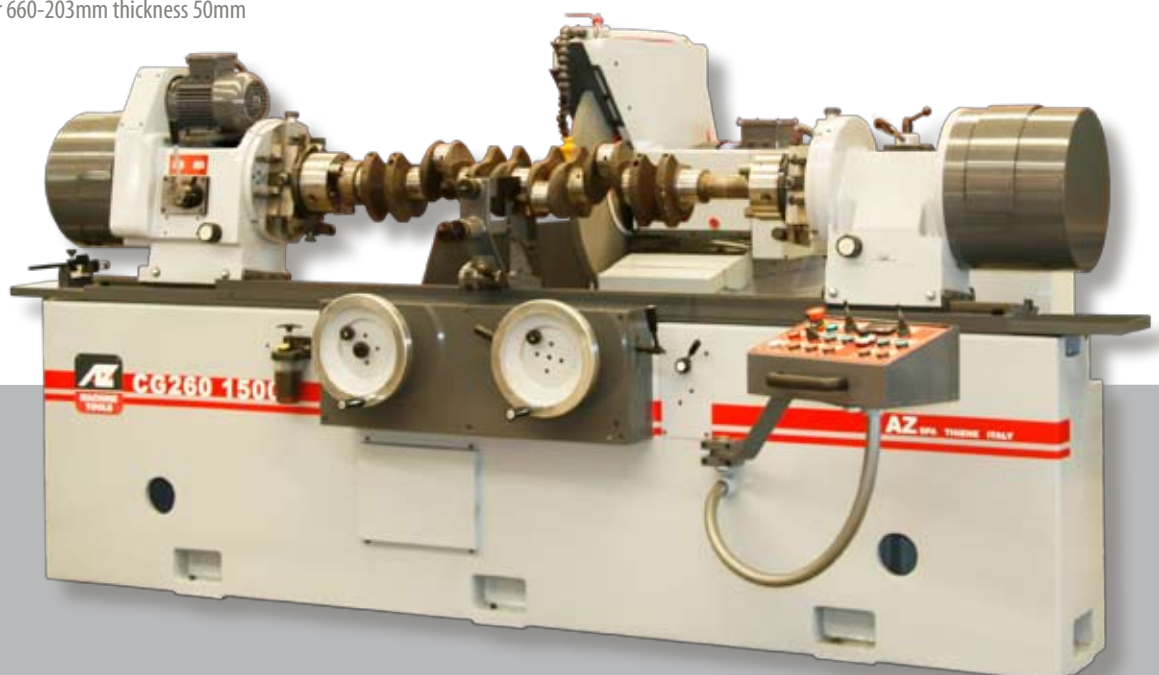
**MOTION AND ADJUSTMENT OF CHUCKING FIXTURES**

*Sturdy universal chucking fixtures of latest design, guarantee the highest machining precision, fast centering and easy operating.*

- Radial adjustment
- Cross adjustment
- Micrometric angular adjustment
- 360° rotation with twelve 30° chick stops to obtain immediate selection of centering angle.
- Three indexing locations to avoid measurements rechecking and the consequent waste of time.
- If required, these locking pins can also be pneumatic.
- Possibility of adjusting the axis of central heads
- Trim adjust for rapid and fine radial adjustments.
- Possibility of micrometric rotation of the workpiece chuck.

**OPTIONAL EQUIPMENT**

- AZ239 Safety-guard kit conforming to CE standards
- AZ780 Electronic in process grinding gauge 1 axe (for AZ 770) (1)
- AZ500 Set of auxiliary counter weights
- AZ490 Magnetic coolant cleaner 50 Liters (2)
- AZ491 Paper roll coolant cleaner 50 Liters (3)
- AZ385 Combined paper roll and maagnetic coolant cleaner 50 Lt. (4)
- AZ415 Wheel balancing stand (for static balancing) (5)
- AZ416 Portable belt superfinisher (6)
- AZ423 Wheel side tapering dresser (7)
- AZ425 Hydraulic wheel dresser (without diamond) (8)
- AZ460 Grinding wheel diameter 660-203mm thickness 20mm
- AZ461 Grinding wheel diameter 660-203mm thickness 25mm
- AZ462 Grinding wheel diameter 660-203mm thickness 32mm
- AZ463 Grinding wheel diameter 660-203mm thickness 40mm
- AZ464 Grinding wheel diameter 660-203mm thickness 50mm
- AZ480 Narrow steady rest



#### WORKING CAPACITY

Height of centres on table	260 mm
Max distance between centers	1500 mm
Max. distance between self-centring chucks	1450 mm
Swing over table	520 mm
Max head offset (stroke/2)	80 mm
Max diameter admitted on std steady rests	120 mm
Max workpiece diameter-new wheel	160 mm
Max weight admitted between centers	80 kg
Max weight admitted with steady rests	200 kg

#### MACHINE SPECIFICATIONS

##### Z AXIS

Max table speed	5000 mm/min
Table motor power	0,33 KW

##### X AXIS

Fast grindhead feed	120 mm
Micrometric grindhead feed	160 mm
Hydraulic unit motor power	0,5 KW

#### WHEEL UNIT

Diameter of grinding wheel	660 mm
Max grinding wheel thickness	50 mm
Standard grinding wheel thickness	25 mm
Min grinding wheel thickness	20 mm

Grinding wheel peripheral speed	33 m/s
Wheel rotation motor power	4 KW

#### WORKHEAD

Stepless rotation speed	0-90 RPM
Diameter of chucks	160 mm
Headstock rotation motor power	0,75 KW

#### LUBRICATION UNIT

Operating pressure	Manual
Tank capacity	1 lt
Pump motor power	Manual

#### HYDROSTATIC UNIT

Tank capacity	50 lt
Motor	0,75 kw

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