

AUTOMOBILE

Workpiece: crankshaft.

Machine typology.

External grinding machine for large scale production with CBN wheels and high-speed rotation wheelhead spindle.

Machining method.

Two similar machines grind diameters and shoulders on the two ends of one workpiece type.

Workpiece driving is accomplished by means of a specific clamping fixture.

Workpiece automatic loading/ unloading is performed by means of a gantry.



Distance between centres mm 900

Max. grinding length mm 600

Height of centres mm 180

Max. grinding diameter mm 300

Max. weight between centres kg 150

Wheel dimensions (diameter x thickness) mm 500 x 43/35

Wheel peripheral speed m/s 120

Wheel motor power kW 37

Max. stroke axes X / Z mm 350 / 750

Workpiece: main shaft.

Machine typology.

External grinding machine for high production with fixed wheelhead unit at 90°.

Machining method.

Two similar machines perform the same thread on one work-piece type.

A floating driver, automatically operated, accomplishes work-piece driving.

Workpiece automatic loading/unloading is performed by means of a gantry fitted up with a belt.



Distance between centres mm 600

Height of centres mm 180

Max. grinding diameter mm 300

Max. weight between centres kg 150

Wheel dimensions (diameter x thickness) mm 500 x 25

Wheel peripheral speed m/s 63

Wheel motor power kW 11

Max. stroke axes X / Z mm 320 / 750

Workpiece: wheel-hub.

Machine typology.

External grinding machine for high production with fixed wheelhead unit at 30°.

Machining method.

Identical machines grind diameters and shoulders of several part types.

Workpiece driving by means of a specific diaphragm device.

Workpiece automatic loading/ unloading is performed by means of a gantry.



Height of centres mm 180

Max. grinding diameter mm 300

Wheel dimensions (diameter x thickness) mm 610 x 100

Wheel peripheral speed m/s 50

Wheel motor power kW 11

Max. stroke axes X / Z mm 350 / 750
