

Machine Name : Tool grinder

Brand : ANCA

Machine Model : PGX

Stock No. : 410742

Ex-factory Date : 2003



Main Technical Parameters:

Description Provided by Owner and Should Be Verified Prior to Purchasing:

Specifically designed for grinding punches, the ANCA PGX CNC Punch Grinder can grind round, eccentric, and step punches up to 150mm (6") in high speed steel and carbide and effectively uses both conventional and super abrasive grinding wheels.

Updated Drives, ball screws, and work head in the last 5 years.

The large 762 mm (30") grinding wheel provides high stock removal rates, extends wheel life, and helps assure high quality surface finishes. The wheel speed is directly programmable via the CNC from 200 to 3000 rpm or at a constant surface speed for short cycle times.

Ability to include up to 1000 elements in each individual step in the punch, allowing development and grinding of much more complex punches as well as importation of many more IGES and DXF files.

A. The efficiency of the ellipse grinding cycle has been improved up to 100%.

B. Cylindrical grinding capabilities have been added to the PGX, including Traversing and Shoulder Grinding, which expands the versatility of the PGX.

The Tool room software also provides the ability to program a wide range of generic punch shapes by selecting a suitable contour and entering a few key dimensions into the dedicated graphical interface.

The standard 2D editor is used to draw custom shapes. In addition to DXF and IGES files that contain complex shapes, multiple steps can also be imported allowing instant grinding without any need for additional programming.

A combination of tooling options such as dressers (single point or rotary), tailstock (manual, automatic and slim line), and loaders significantly extend the production capabilities of this powerful machine. Manual, pneumatic or slim line tailstock may be selected by users.

The PGX is capable of providing excellent surface finish and precision contours through the use of:

1. Spindle power of 22kW (30HP)
2. Digital servo drives

3. Robust cast iron work head is specially designed for heavier irregular grinding forces required for punch grinding
 4. Automatic wheel balancer
 5. Direct drives in all axes as well as the grinding spindle
- Diamond dresser roll or single point dresser
several used grinding wheels included.

There is no coolant pump or tank for this machine. The facility uses a centralized system and therefore there is no pump or tank for this machine. Please check with us for possible options available for other coolant systems that we currently have available.

Very Good Condition - ANCA MODEL PGX CNC PUNCH GRINDER that is currently in a plant under power





