



abm

Grinding Technologies



PNK-600

CNC SAW BLADE GRINDING MACHINE

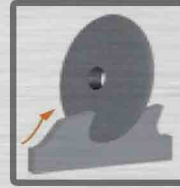
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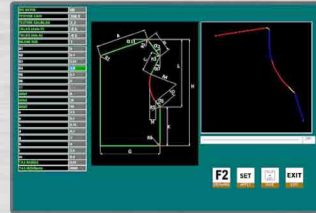
PNK-600 is specially designed for grinding, toothing of HSS, segmental and CV circular saw blades used in metal cutting. Fully automatic and complete processing including chamfering with separate setup.

GENERAL FEATURES

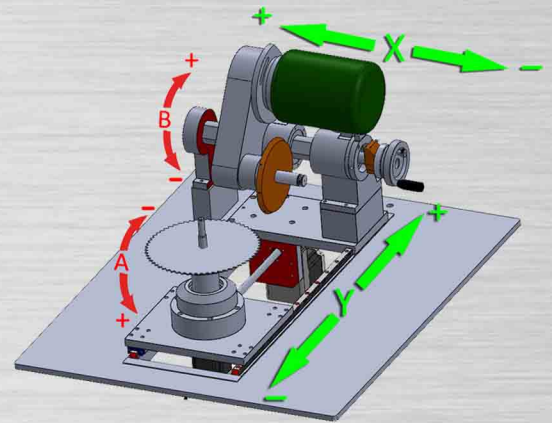
- 2 Axes servo motor controlled.
- Automatic grinding of HSS circular saws.
- Grinding wheel running linear bearing system.
- CNC linear bearing system extends machine lifetime and enhances grinding quality.
- Non-corroding and hardening plating on all mechanical components.
- PC Controlled.
- Windows® operating system.
- 17" LCD screen control panel.
- Tooth form selection from the control panel.
- Automatic calculation of the tooth pitch.
- Absolute tooth pitch accuracy.
- Variable grinding and grinding wheel rotation speed.
- Pure oil coolant system.
- Central lubrication.
- Updating a program through internet connection if demanded.
- Chamfering with separate setup is possible.
- Ease of use.
- Minimum space required.
- Production conformed with CE standards.



Profile Grinding Operation
by $\varnothing 200\text{mm}$ CBN Wheel



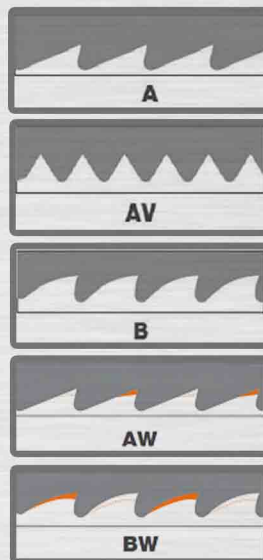
Optional TCT Grinding
Software



A Axis - Tooth pitch & interpolate axis
B Axis - Chamfer axis
X Axis - Beta angle
Y Axis - Interpolate axis

TECHNICAL SPECS

- | | |
|--------------------------------|--------------------------------------|
| • Circular Saw Range | $\varnothing 80\text{-}600\text{mm}$ |
| • Tooth Forms | A, AV, B, AW, BW |
| • Circular Saw Hook Angle | 0 -30° |
| • Feeding Rate | 3-90 teeth/min. |
| • Motor Quantity | 4 |
| • Grinding Wheel Diameter | $\varnothing 200\text{mm}$ |
| • Grinding Wheel Bore Diameter | $\varnothing 32\text{mm}$ |
| • Grinding Wheel Thickness | 1.3 to 10mm |
| • Operating Voltage | 380V, 3Ph, 60Hz |
| • Total Power | ~6 kW |
| • Net/Gross Weight | 950/1000kg |
| • Dimensions | 150*120*180cm. |



Tooth Forms



TCT Grinding Option



Handwheel



High Quality
Finish Surface



Perfect Tooth
Geometry