

PNK-CNC

CNC BAND SAW GRINDER

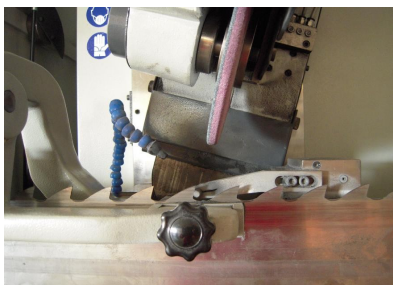
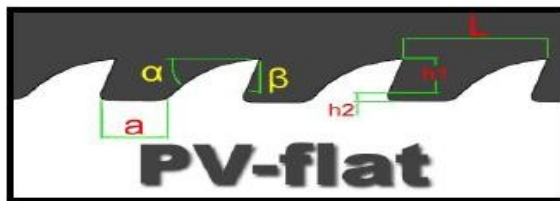
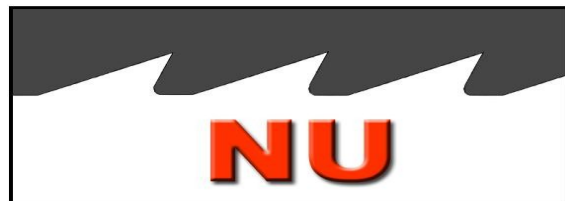


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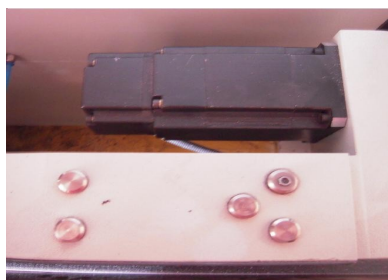
PNK-CNC is designed to grind all types of band saw blades used in wood cutting.

PNK-CNC guarantees a flawless, fast and precise grinding of NU, NV, PV, PV-Flat, KV and SB tooth forms with its state-of-the-art grinding technology.

Tooth forms:



Fast and precise grinding



Indexing by servo motor.



Rigid construction of grinding unit

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PNK-CNC at a glance:

- 2 axes Servo motor controlled.
- Operating screen in any language. (please state the required language in order)
- PC controlled by Windows® operating system.
- Downloading a program through internet if demanded.
- LCD screen control panel.
- Language selection on the control panel.
- Tooth form selection from the control panel.
- Grinding all common tooth types.
- Possibility of saving grinding programs of the blades ground.
- Following the hook angle from the control panel.
- Indexing by servo motor.
- Absolute tooth pitch accuracy.
- Variable grinding speed.
- Variable grinding wheel rotation speed.
- Grinding head riding on linear rails.
- Optionally wet or dry grinding.
- Grinding by CBN wheel or saw sharpening wheel (grit type)
- Water emulsion/oil coolant [for CBN grinding].
- Local lubrication.
- Pneumatic lift-off band saw grinding.
- Integrated light unit.
- Separation of electronic and grinding areas.
- Included band saw carrier legs.
- Motor controlled band saw vertical movement.
- Steady mechanic blade clamp.
- Enclosed cabin for operator safety.
- Ergonomic machine construction for ease of loading and unloading.
- Simple controls for ease of use.
- Rigid machine construction.
- Production conformed with CE standards.



Capacity: Grinding up to 15 band saws per day.

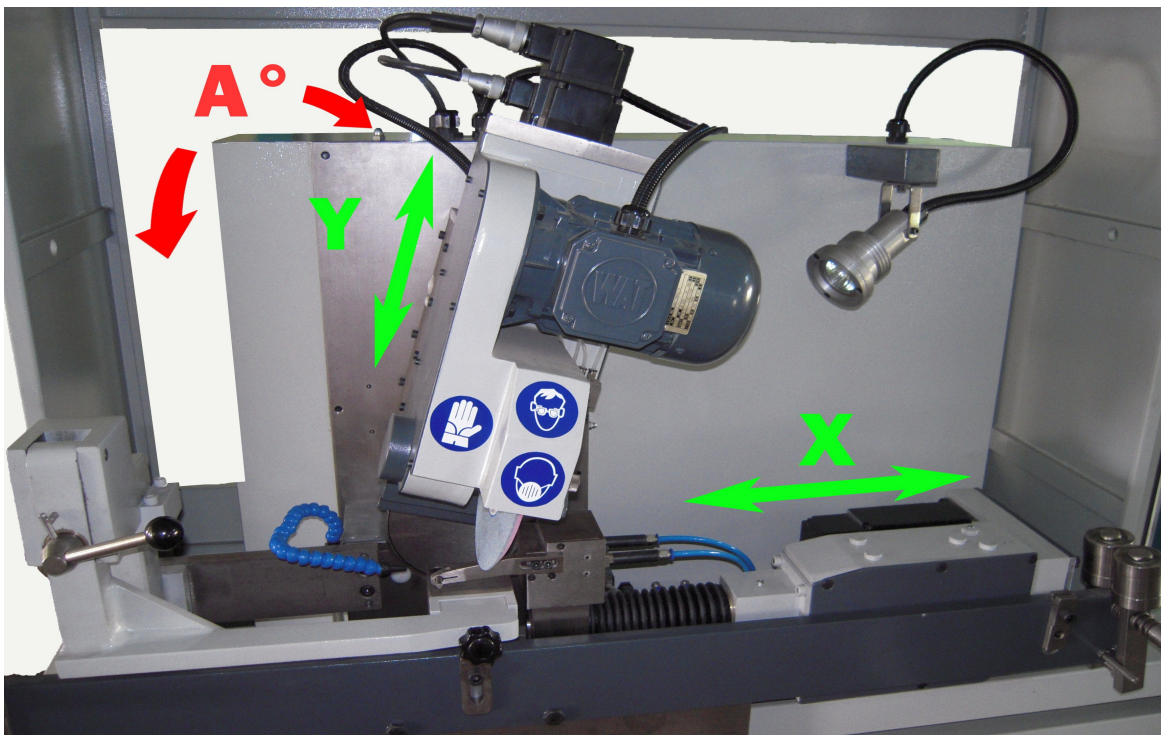
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Technical specifications:

Band saw width	50-250mm
Band saw length	Max. 10m.
Blade thickness	0.6-3.2mm
Tooth pitch	5-60mm
Tooth depth	Max. 30mm
Number of teeth	2-999
Tooth forms	NV, NU, KV, PV, PV-Flat, SB
Hook angle	(-10°) (+30°)
Feed rate (speed controlled)	Max. 90 teeth/min.
Grinding wheel dimensions	D: Ø200mm d:Ø20mm
Grinding wheel thickness	5-13mm (depending on tooth pitch)
CBN Grinding wheel dimensions	D: Ø200mm d:Ø20mm
CBN Grinding wheel thickness	5-13mm (depending on tooth pitch)
Grinding wheel rotation (speed controlled)	1400-5500 r.p.m.
Grinding wheel motor power	0,55kW
Coolant type	Water emulsion/oil
Coolant motor capacity	35 lt/min.
Coolant pressure	10 bars.
Coolant container capacity	~45lt.
Motor quantity	6
Connected load	2,5kW
Voltage	380V, 3Ph, 50-60Hz
Net/gross weight	655/680kg
Dimensions	1550*2000*1550mm (saw blade unmounted)

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Axes of the machine:



Motors on the machine:

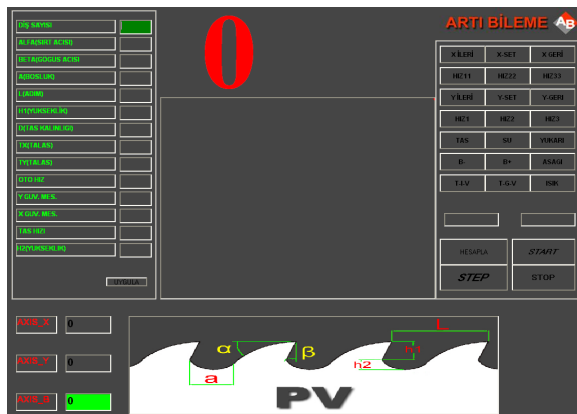
	Power (kW)	Revolution (r.p.m.)	Voltage	Additional features
Axis X (Indexing - Forward/Backward)	0.75	3000	--	Servo motor
Axis Y (grinding head vertical movement)	0.75	3000	--	Servo motor
Axis A (Positioning)	0.18	1400	--	AC motor
Band saw vertical movement	0.18	1400	--	AC motor
Grinding wheel motor	0.55	2800	--	AC motor (Speed controlled)
Coolant motor	0.09	2800	380V-3phases	AC motor

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Rua das Devesas, n°26
4595-069 Seroa PFR
Portugal

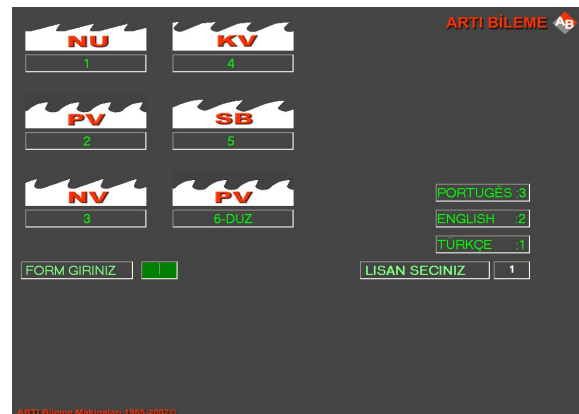
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Operating screens:



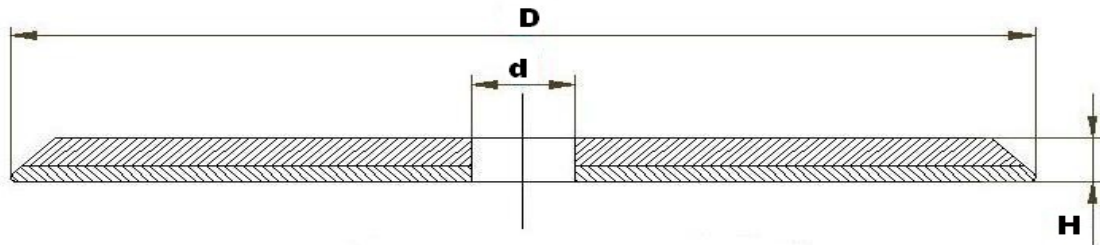
PNK-CNC General operating screen



Form and language selection screen

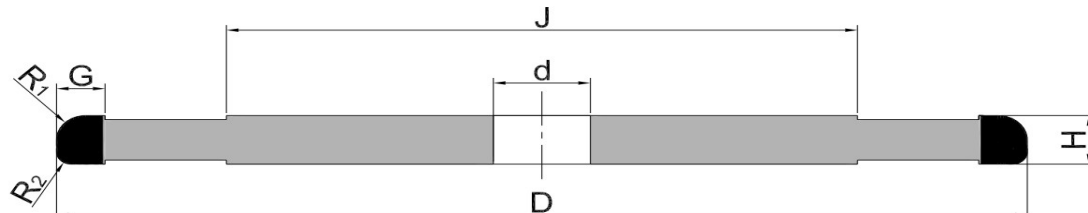
Grinding wheels:

- Saw sharpening wheel (grit type)



D: Ø200mm
d: Ø20mm
H: 5-13mm

- CBN Grinding wheel:



D: Ø200mm
d: Ø20mm
G: 10mm
J: 130mm
H: 5-13mm
Type: 1FF1

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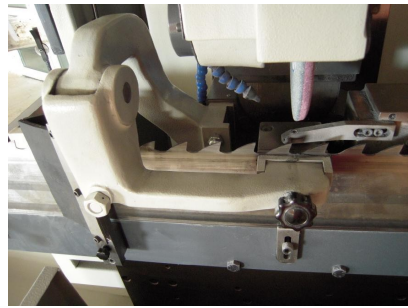
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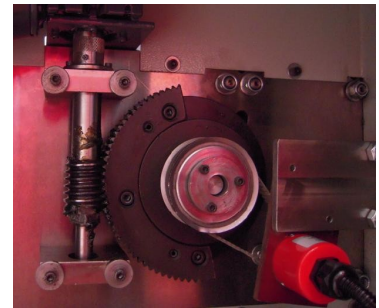
Highlights:



Flawless grinding results



Steady mechanic blade clamp.



Absolute encoder

Warranty period:

Mechanical guarantee : 1 year against production faults.

Electronic guarantee : 2 years against production faults.

(The warranty does not cover the electric motors and the supplied electrical materials)

Optional supplements:

- CBN grinding wheel.
- Saw sharpening wheel.
- Gang saw grinding attachment.
- Closed packing.

To be invoiced separately.

Optional gang saw grinding:

