



abm

Grinding Technologies



PNK-MAX

PNK-SP



PNK-SB



PNK-AB



**BAND SAW
GRINDING MACHINES**

www.abmgroup.com.tr



PNK-MAX GENERAL FEATURES

- Automatic precise grinding.
- Non-corroding and hardening plating on all mechanical components.
- Cabin for operator safety.
- Water emulsion coolant.
- Microprocessor controlled.
- 24V control panel
- 8 levels speed controlled feeding rate.
- Max. 60mm tooth pitch.
- Fast and precise grinding of NV, PV, KV and SB tooth forms.
- Grinding wheel riding on linear rails.
- Motor controlled saw holder front tool lifting.
- Integrated light unit.
- Optional circular (HSS) and gang saw grinding attachments.

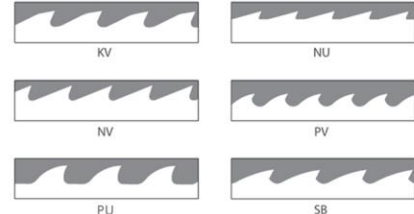


PNK-MAX TECHNICAL SPECIFICATIONS

- | | |
|--------------------------------|--|
| • Band saw width | Max. 300mm |
| • Tooth forms | PV, NV, KV, SB |
| • Hook angle | (-10°) (+30°) |
| • Blade thickness | 0.6 – 3.2mm |
| • Feeding rate | 12/90 teeth/min. (8 levels speed controlled) |
| • Motor quantity | 4 |
| • Grinding wheel diameter | Ø300mm |
| • Grinding wheel bore diameter | Ø32mm |
| • Grinding wheel thickness | 5-13mm |
| • Grinding wheel rev. | 1500-4000 r.p.m. (variable speed controlled) |
| • Operating voltage | 380V, 3Ph, 50-60Hz |
| • Total power | ~2kW |



Motor aided vertical saw movement



Tooth Forms



Cam-controlled tooth form swap



24V Control Panel



Rigid block grinding unit



Wheel Dressing Unit

AUTOMATIC BAND SAW GRINDER MACHINE

PNK-SP



PNK-SP GENERAL FEATURES

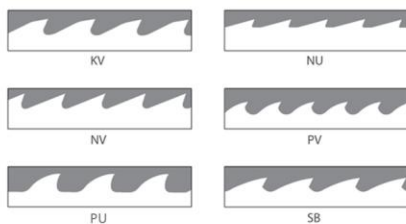
- Automatic precise grinding.
- Non-corroding and hardening plating on all mechanical components.
- Cabin for operator safety.
- Water emulsion coolant.
- Microprocessor controlled.
- 24V control panel
- 8 levels speed controlled feeding rate.
- Max. 60mm tooth pitch.
- Fast and precise grinding of NV, PV, KV and SB tooth forms.
- Grinding wheel riding on linear rails.
- Motor controlled saw holder front tool lifting.
- Integrated light unit.
- Optional circular (HSS) and gang saw grinding attachments.

PNK-SP TECHNICAL SPECIFICATIONS

- | | |
|--------------------------------|--|
| • Band saw width | 15-206mm |
| • Tooth pitch | Max.60mm |
| • Tooth forms | PV, NV, KV, SB |
| • Hook angle | (-10°) (+30°) |
| • Blade thickness | 0.6 – 3.2mm |
| • Feeding rate | 12/90 teeth/min. (8 levels speed controlled) |
| • Motor quantity | 4 |
| • Grinding wheel diameter | Ø250mm |
| • Grinding wheel bore diameter | Ø20mm |
| • Grinding wheel thickness | 10mm |
| • Grinding wheel rev. | 1400-4500 r.p.m. (variable speed controlled) |
| • Operating voltage | 380V, 3Ph, 50-60Hz |
| • Total power | ~1,50kW |
| • Net/gross weight | 570/595kg |
| • Dimensions | 100*150*180cm |



Motor aided vertical saw movement



Tooth Forms



Cam-controlled tooth form swap



24V Control Panel



Rigid block grinding unit



Wheel Dressing Unit

PNK-SB GENERAL FEATURES

- Automatic precise grinding.
- Non-corroding and hardening plating on all mechanical components.
- Microprocessor controlled.
- 24V control panel
- 8 levels speed controlled feeding rate.
- Max. 60mm tooth pitch.
- Fast and precise grinding of NV, PV, KV and SB tooth forms.
- Grinding wheel riding on linear rails.
- Motor controlled saw holder front tool lifting.
- Integrated light unit.
- Optional circular (HSS) and gang saw grinding attachments.

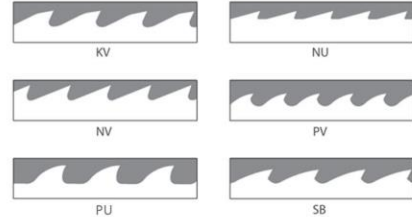


PNK-SB TECHNICAL SPECIFICATIONS

- Band saw width 15-206mm
- Tooth pitch 0-60mm
- Tooth depth Max. 30mm
- Tooth forms PV, NV, KV, SB
- Hook angle (-10°) (+30°)
- Blade thickness 0.6 – 3.2mm
- Feeding rate 12/90 teeth/min. (8 levels speed controlled)
- Motor quantity 4
- Grinding wheel diameter Ø250mm
- Grinding wheel bore diameter Ø20mm
- Grinding wheel thickness 10mm
- Grinding wheel rev. 1400-4500 r.p.m. (variable speed controlled)
- Operating voltage 380V, 3Ph, 50-60Hz
- Total power ~1,50kW
- Net/gross weight 570/595kg
- Dimensions 100*150*180cm



Motor aided vertical saw movement



Tooth Forms



Cam-controlled tooth form swap



24V Control Panel



Rigid block grinding unit



Wheel Dressing Unit

PNK-AB

AUTOMATIC BAND SAW GRINDER MACHINE

PNK-AB GENERAL FEATURES

- Automatic grinding of band saw blades up to 150mm width.
- Grinding wheel riding on linear rails.
- Non-corroding and hardening plating on all mechanical components.
- On/off switch.
- Max 60mm tooth pitch.
- Ease of use.
- Minimum space required.
- Fast and precise grinding of NV,PV and KV tooth forms.
- Manual central lubrication.
- Manual saw holder and blade lifting system.
- Optional circular(HSS) and gang saw grinding attachments.



Cam-controlled tooth form swap



Rigid block grinding unit



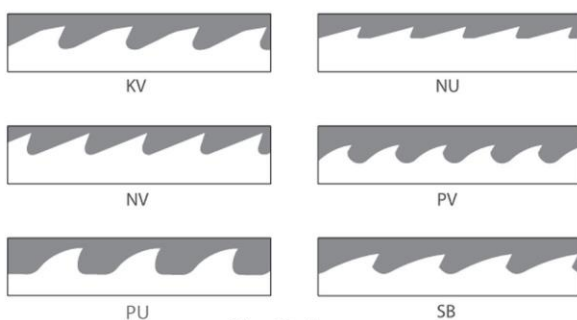
Wheel Dressing Unit



Accurate Tooth Pushing

PNK-AB TECHNICAL SPECIFICATIONS

- Band Saw Width 15-150mm
- Tooth pitch Maximum 60mm
- Tooth depth Maximum 30mm
- Tooth forms PV,NV,KV,PU,NU
- Hook angle -10° to +30°
- Feeding rate 0-90 teeth/min.
- Motor quantity 2
- Grinding wheel diameter Ø200mm
- Grinding wheel bore diameter Ø20mm
- Grinding wheel thickness 8mm/10mm/13mm(depending tooth pitch)
- Operating voltage 380V, 3Ph, 50-60Hz
- Total power ~1,3kW
- Net/gross weight 350/375kg
- Dimensions 80*120*175cm



Tooth Forms



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Grinding Technologies



Our path on grinding technologies production started in 1965, continues applying all modern technologies on our services. Not only in local market, our machines are working world-wide with dealers support in 25 countries and with our own sales team in more than 100 different countries.



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