

Contact

<https://www.bunri.com>

Head Office / East Japan Office

TEL +81-3-3778-2061 FAX +81-3-3778-2063

Homepage QR Code

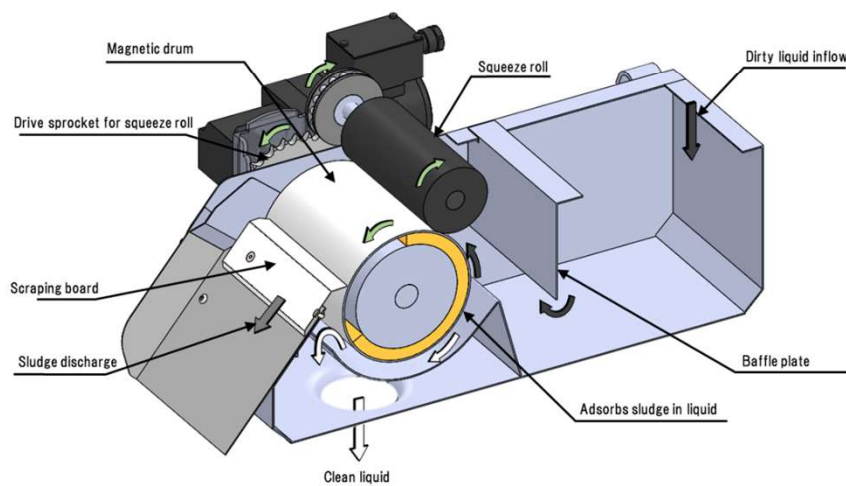
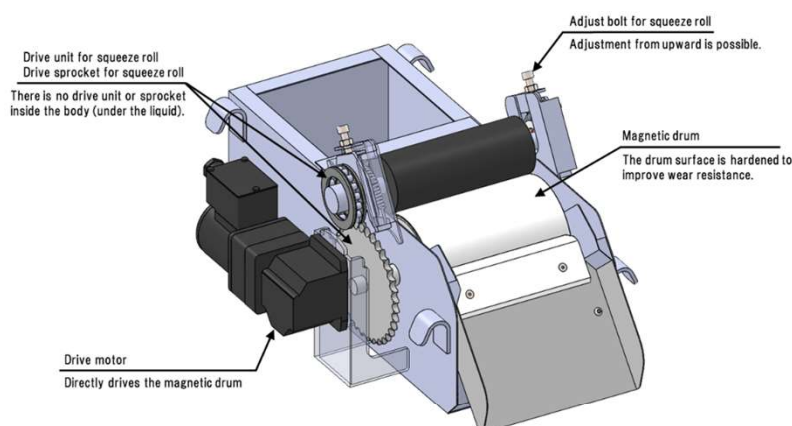
Magnetic Separator Phoenix NEO



~Features~

- Significant improvement in maintainability due to enhanced drive unit design
- All drive components are externally mounted, preventing exposure to sludge and coolant

◆Mechanism



◆ Comparison with old Model

Mode	Ferrite Magnet			Rare earths Magnet			Rare earths Magnet			
	NW	→	SPK	→	PXK	MTZ	→	SPH	→	PXH
Item										
Magnetic drum diameter	φ100				φ100	φ100		φ100		φ140
Sludge removal ratio of clean liquid	51.8 %				59.5 %	62.3 %				75.7 %
Water content ratio of the removed sludge	40 %				35 %	40 %				35 %

Mode	Rare earths Magnet			Rare earths Magnet						
	STZ	→	SPN	→	PXN	SSZ	→	SPP	→	PXP
Item										
Magnetic drum diameter	φ140				φ140	φ200				φ214
Sludge removal ratio of clean liquid	89.8 %				95.5 %	85.6 %				97.0 %
Water content ratio of the removed sludge	40 %				35 %	40 %				35 %

Machine tool: Cylindrical grinding machine Processing detail: Medium finish Whetstone grit size: #80
Coolant: Water-soluble Chip material: S45C (carbon steel for mechanical structure) * Values are based on our comparison.

◆ Comparison of water content ratio of removed sludge

Model MTZ
Water content ratio 40%



Model SPK
Water content ratio 35%



Model PXN
Water content ratio 35%



* Values are based on our comparison. * The processing materials in the comparison photos are different.

◆ Product Lineup

Type	Features	Applied machine tool	Filtration accuracy*1	Flow rate (L/min)
PXK	Low-priced model with a φ100 drum	Grinding machine (Inner surface grinding, surface grinding, outer diameter grinding, centerless, rotary), Shaving machine, Thread rolling machine, etc.	20 μm 90% or more	30 to 240
PXH	BUNRI standard model with a φ140 drum		15 μm 90% or more	40 to 240 360 to 500*
PXN	High-performance middle range model upgraded with a φ140 drum		10 μm 90% or more	
PXP	High-end model that supports microfiltration with a large φ214 drum and large flow rate processing of 1000 L/min	Applicable to all grinding machines and machine tools mentioned above.	10 μm 95% or more	40 to 180 240 to 1000*

* Processing flow rate for medium and large size models (large flow rate). Please contact us for details.

*1 The filtration accuracy is based on the results of our experiments, and does not imply that this level of accuracy is guaranteed.