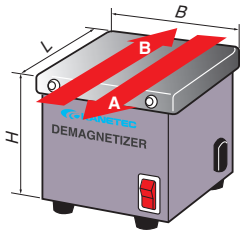
Model KMDY POWERFUL TABLE TYPE 3-PHASE AC DEMAGNETIZER

Strong magnetic field to enhance demagnetization effect!

Non-watertight

KMDY-1



<Demagnetizing direction>

[Application]

Designed to remove or reduce residual magnetism by passing magnetized workpieces over the demagnetizing face.

[Features]

- The use of a 3-phase AC power source produces a more powerful magnetic field to effectively demagnetize workpieces having properties and shapes that are difficult to demagnetize with the conventional type.
- This demagnetizer especially exhibits its high-performance on ring-shaped workpieces such as bearing-assembled products and gears.
- The high heat dissipation design permits continuous operation.

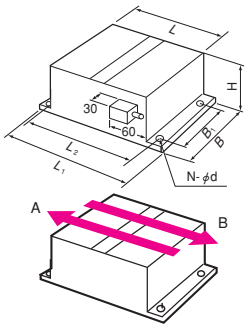
[mm(in)]

Model	Power Source	Power Capacity	Working Rate	Effective Demag. Width	Dimensions			Mass
					B	L	H	
KMDY-1	3-phase 200 VAC, 50/60 Hz	0.43/0.36kVA(2.15A/1.8A) (50/60Hz)	100%ED	140(5.51)	200(7.87)	200(7.87)	150(5.90)	14kg/30.8 lb

※Cable 2 m included.

Model KMDS DRIP-PROOF DEMAGNETIZER

KMDS-2A



<Demagnetizing direction>
KMDS

[Application]

These demagnetizers produce a strong magnetic filed on the surface by use of an AC power source to demagnetize workpieces on a belt which runs over close to the surface.

[Features]

- The demagnetizers are of drip-proof construction. They will not fail if wetted by grinding fluid or cooling water.
- These can be incorporated in belt type grinders or other automatic and continuous grinders.
- The very strong demagnetizing force generated provides some margin for the clearance on the surface to allow a belt conveyor to run over the work face.

Precaution for use

Cool these demagnetizers by splashing water at normal temperature. 50% rated when used dry. (20 minutes power on and 20 minutes pause)

[mm(in)]

Model	Power Source	Power Capacity (Current)	Working Rate	Dimensions								Mass
				B	L	H	B1	N	φd	L1	L2	
KMDS-1A	Single-phase 200 VAC, 50/60 Hz	200VA(1A)	50% ED Continuous operation allowed when cooled by water.	150(5.90)	206(8.10)	100(3.93)	—	2	8.5 (0.33)	260(10.2)	235(9.25)	9.0kg/19 lb
KMDS-2A		400VA(2A)		200(7.87)								13.5kg/30 lb
KMDS-3A		800VA(4A)		400(15.7)	350(13.7)	120(4.72)	120(4.72)	4		410(16.1)	380(14.9)	41.0kg/90 lb

※Cable 2 m included. ※No switch is incorporated. ※A different-voltage type (special type) is also available.

Model KMD-F INVERTER CONTROLLED DEMAGNETIZER

Less electric power and enhanced demagnetizing performance! Stronger magnetic field produced than standard table type!

Power saving

Non-watertight

KMD-F20

[Application]

These demagnetizers produce an alternating magnetic field on the surface by use of an AC power source, through which workpieces are passed to remove the magnetism remaining on their surface.

[Features]

- Demagnetization is carried out by varying (sweeping) a frequency lower than commercial frequencies from a lower point to a higher point. This design has improved the demagnetizing performance without increasing the amount of electricity to use.
- The demagnetizing section is of the same dimensions as the conventional table type demagnetizer (KMD-C). With the same output current (AC effective value) as the conventional model, the residual magnetism in workpieces (SKH material) can be reduced to one third.
- Workpieces are demagnetized by passing them over the demagnetizing surface at a constant speed, as with the conventional model.
- Continuous power on specification, but heat generated in the demagnetizing part is less than the conventional model.
- A demagnetizing output variable resistor is provided on the electrical unit that can vary the output current (AC effective value) in a range of 100% and 70%. This feature achieves demagnetization of low-carbon steel like S45C by less power (70%) than the conventional model.

[mm(in)]

	Model	Power Source	Power Capacity	Output	Working Rate	Effective Demag. Width	Dimensions			Mass
							Width	Length	Height	
Demagnetizing section	KMD-F20	Single-phase 100 VAC, 50/60 Hz	200VA(2.7A)	±20V MAX5A	100% ED	130(5.11)	200(7.87)	120(4.72)	80(3.15)	6.5kg/ 14 lb
Electrical unit	EHD-20A					—	140(5.51)	175(6.89)	260(10.2)	4.5kg/9.9 lb
Demagnetizing section	KMD-F30	Single-phase 200 VAC, 50/60 Hz	400VA(3.4A)	±30V MAX7.5A	100% ED	180(7.08)	300(11.8)	200(7.87)	120(4.72)	21.0kg/ 46 lb
Electrical unit	EHD-30A					—	220(8.66)	175(6.89)	290(11.4)	5.8kg/ 13 lb

The main unit is provided with a 2 m cable.