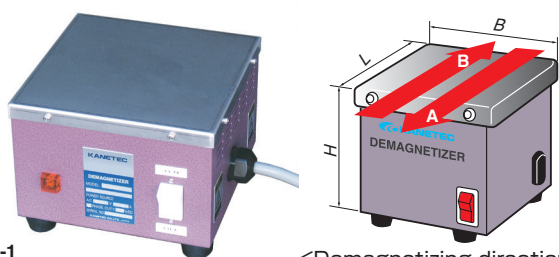


DEMAGNETIZERS

Model **KMDY** POWERFUL TABLE TYPE 3-PHASE AC DEMAGNETIZER

Strong magnetic field to enhance demagnetization effect!



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)]

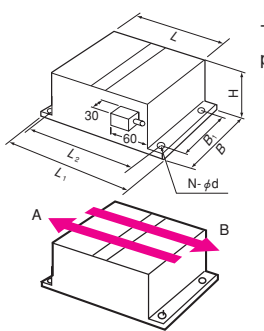
Model	Power Source	Power Capacity	Working Rate	Effective Demag. Width	Dimensions			Mass
					B	L	H	
KMDY-1	3-phase 200 VAC, 50/60 Hz	0.43/0.36kVA(2.15A/1.8A) (50/60Hz)	100%ED	140(5.51)	200(7.87)	200(7.87)	150(5.90)	14kg/30.8 lb

*Cable 2 m included.

Model **KMDS** DRIP-PROOF DEMAGNETIZER



KMDS-2A



<Demagnetizing direction>
KMDS

[Application]

These demagnetizers produce a strong magnetic field 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	B ₁	N	φd	L ₁		L ₂
KMDS-1A	Single-phase 200 VAC, 50/60 Hz	200VA (1A)	50% ED	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)	Continuous operation allowed when cooled by water.	200(7.87)								41.0kg/90 lb
KMDS-3A		800VA (4A)	400(15.7)	350(13.7)								120(4.72)

*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!

[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)]



KMD-F20

	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.

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