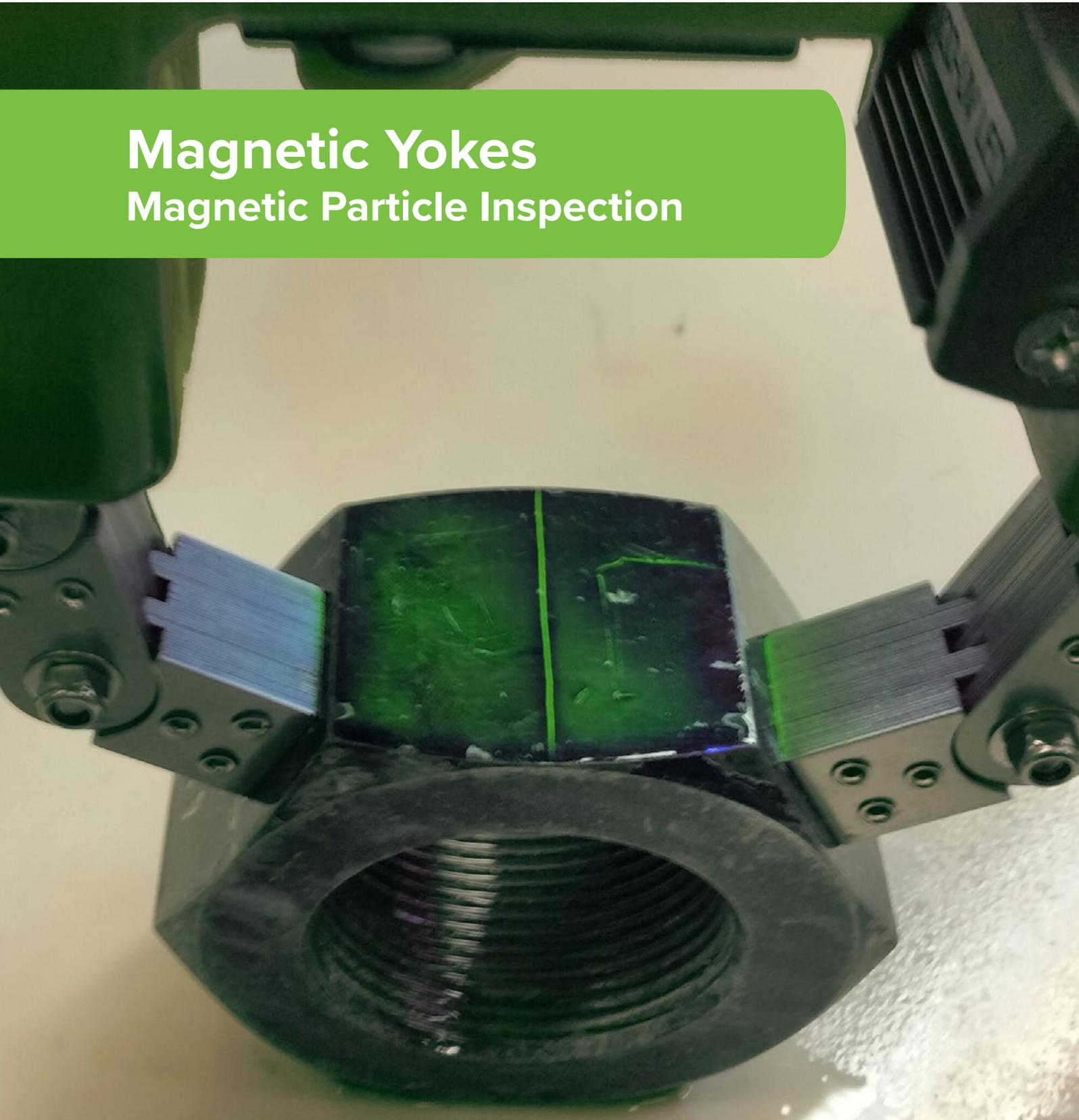




Together for a safer world

Magnetic Yokes

Magnetic Particle Inspection



Magnetic Yokes

Our magnetic yokes will handle your most demanding magnetic particle inspection jobs with ease. Ideal for in-plant inspection and repair, you can rely on our yokes to detect surface cracking in any ferro-magnetic material, including welds, automotive components, steel and grey iron castings.

We have a wide range of yokes for you to choose from. All models deliver outstanding performance and are some of the most durable and powerful yokes on the market today. If you want help choosing the right yoke, please contact us.

Y1 ELECTROMAGNETIC YOKE

The Y1 is a lightweight electromagnetic Yoke that's easy to use, and fits comfortably in your hand. It has a soft grip for comfort, an Impact and chemical resistant shell and a leg capacity of 0 - 250 mm. Supplied with a 3m cable. For more information, see the Product Data Sheet for yoke.

PART NUMBER: 001Y025



Y6 AC MAGNETIC YOKE

The Y6 is a lightweight encapsulated AC yoke designed for reliable one-person inspection. It is easy to use single-handed and its articulated legs make it ideal for inspecting components of different sizes and shapes. For more information, see the Product Data Sheet for this yoke.

PART NUMBERS

50V: 001Y022 110 V: 001Y004 230 V: 001Y020



Y7 AC/DC MAGNETIC YOKE

The Y7 gives you the option of two magnetic fields: a constant AC field to reveal surface defects or a pulsed DC field for revealing both surface and near-surface defects. Designed for portable one-person inspection, its articulated legs contour to any part shape to assure good contact. For more information, see the Product Data Sheet for this yoke.

PART NUMBER: 001Y018



Y8 BATTERY-POWERED YOKE

Thanks to its lightweight construction and battery pack with charger, the Y8 is fully portable and ideal for field inspection, making it one of the most versatile pieces of MPI equipment available. For more information, see the Product Data Sheet for this yoke.

PART NUMBER: 001Y024



Magnetic Yokes

TWM 42 N MAGNETIC YOKE

The TWM 42 N yoke operates at 42 V, supplied from a separate transformer connected to a 230 V AC supply, which makes it ideal for testing inside vessels, tubes and closed containers. It comes equipped with a replaceable switch. For more information, see the Product Data Sheet for this yoke.

PART NUMBER: 072301



TWM 220 N MAGNETIC YOKE

The TWM 220 N is a lightweight AC yoke that can be directly connected to a 230 V AC supply. Used with our adjustable pole pieces, it is ideally suited for testing complicated parts and uneven surfaces, including tube bends, angle pieces, etc. For more information, see the Product Data Sheet for this yoke.

PART NUMBER: 071301



COMPARISON TABLE

	Y1	Y6			Y7	Y8	TWM 42 N	TWM 220 N
Part number	001Y025	001Y022	001Y004	001Y020	001Y018	001Y024	072301	071301
AC voltage	230 V	50 V	110 V	230 V	230 V	230 V *	42 V	230 V
Frequency	50/60 Hz	50 Hz	50 Hz	50 Hz	50/60 Hz	50/60 Hz	50 Hz	50/60 Hz
DC voltage	-	-	12 V	12 V	Pulsed	6 V	-	-
Weight	2.1 Kg	3.4 Kg	3.4 Kg	3.4 Kg	4.1 Kg	3.8 Kg	3.5 Kg	3.2 Kg

* Battery charger AC voltage

YM5 PERMANENT MAGNET YOKE

The YM5 yoke is a portable and convenient means of magnetising components for crack detection - no electrical supply needed. Cast in Magloy 1 for maximum magnetic field strength (7,000 gauss with poles together; 400 gauss in centre of a 50 mm air gap). For more information, see the Product Data Sheet for this yoke.

PART NUMBER: 001Y005



YOKE KIT

The kit includes the following:

- Soft carry case
- 2 x MAGNAVIS® 7HF black magnetic ink aerosol
- 1 x MAGNAVIS® WCP-2 white contrast paint aerosol
- a wire brush and cloth

PART NUMBER: 005K001

