

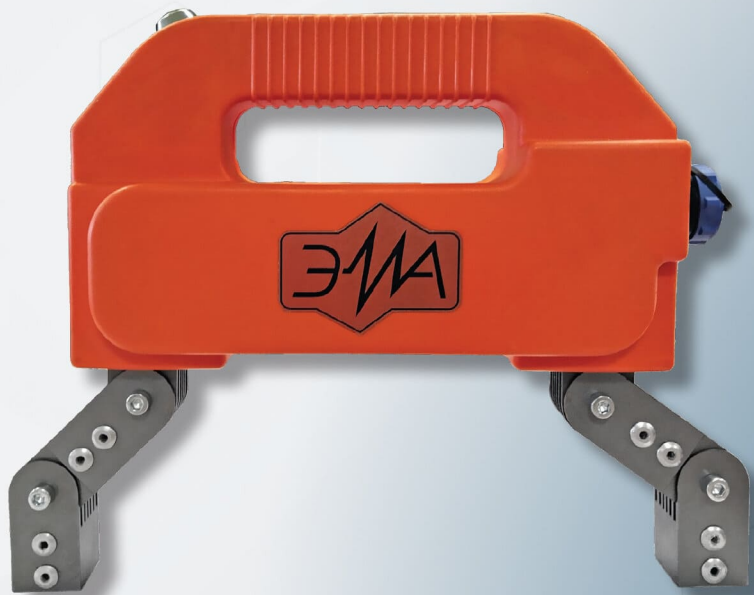
# EMA-100

## Magnetic particle inspection (MPI) testing yoke

The AC electromagnetic yoke is suitable for magnetic particle inspection to detect surface and subsurface defects such as cracks, hair lines and tears of base material as well as incomplete fusion of welded joints.

Suitable for test objects made of ferromagnetic materials with a relative magnetic permeability of at least 40.

The yoke can be used for quality control of products in aviation, automotive, railway, oil and gas, power generation and other industries.



Big ergonomic trigger for gloved operation



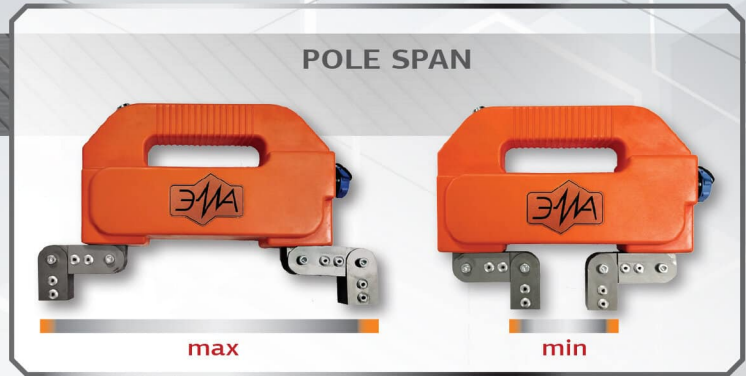
### OPERATIONAL ADVANTAGES

- The dust and moisture-proof case are designed for reliable and safe work in demands of field inspection
- The connector of power cable ensures tightness, facilitates the operation and transportation of the equipment.
- The adjustable articulated arm of the yoke provides efficient operation on the parts of any configuration and orientation.
- The magnetization of entire product or its individual section is possible to test various objects and welds.



## OBJECTS OF CONTROL:

- Welds
- Parts of machines and mechanisms
- Cast parts
- Building metal structures
- Pipelines
- Rolled metal
- Castings



## MAIN TECHNICAL PARAMETERS

Average pole span, mm	142
Max pole span, mm	263
Min pole span, mm	24
Pole cross section F, mm	26 x 25
Dimensions, mm	231 x 260 x 61
Waveform	AC
Operating current, A	2,5
Lifting force, kg	10
Power parameters	230 V, 50 Hz
Duty cycle, %	50
Detachable power cable, m	3
Weight, kg	3,9
Operating temperature range	-20 ... +40 °C



## BASIC DELIVERY SET

1. Portable yoke
2. Power cable
3. Equipment certificate
4. User manual
5. Carrying bag



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