

HELLMAG Universal 500 AC, 700 AC und 1000 AC

Crack test bench



HELLMAG Universal 700 AC

The test bench HELLMAG is designed for testing short-run batches and for training purposes.

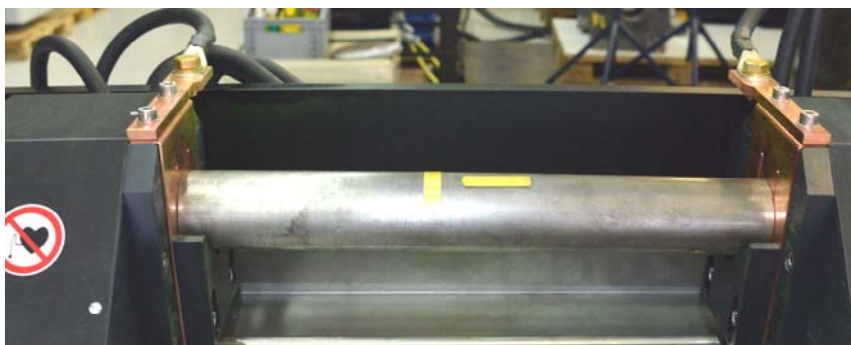
Two single connectible magnetising circuits

- AC current flow magnetisation
- AC yoke magnetisation

Operation via Siemens "KTP 600" multi-colour touch panel.

Equipped with a powerful UV LED area lamp.

Test piece current settings can be stored, possibly protected by password.



Fixed test piece

Technical Data

Crack test bench HELLMAG Universal			
Typ	500 AC	700 AC	1000 AC
Art. no.	139.900.330	139.900.310	139.900.320
Mains connection	400 V / 50 Hz / 32 A	400 V / 50 Hz / 100 A	400 V / 50 Hz / 125 A
Power consumption	max. 18 kVA	max. 28 kVA	max. 55 kVA
AC current flow	1,200 A eff.	1,200 A eff.	2,000 A eff.
AC yoke magnetisation	approx. 12,000 AT	approx. 12,000 AT	approx. 20,000 AT
Tangential field strength	approx. 30 A/cm ²	approx. 30 A/cm ²	approx. 30 A/cm ²
Relative duty cycle	40%	30%	40%
Einspannlänge	60 – 500 mm	60 – 700 mm	60 – 1,000 mm
Data storage	yes	yes	yes
Data transfer	Ethernet interface	Ethernet interface	Ethernet interface
Dimensions	approx. 125x64x160 cm	approx. 160x50x165 cm	approx. 250x80x140 cm
Weight	approx. 303 kg	approx. 480 kg	approx. 790 kg



HELLMAG Universal 1000 AC

HELLMAG crack test benches are produced by HELLING Technical Centre

Heidgraben, July 2019

Subject to technical changes