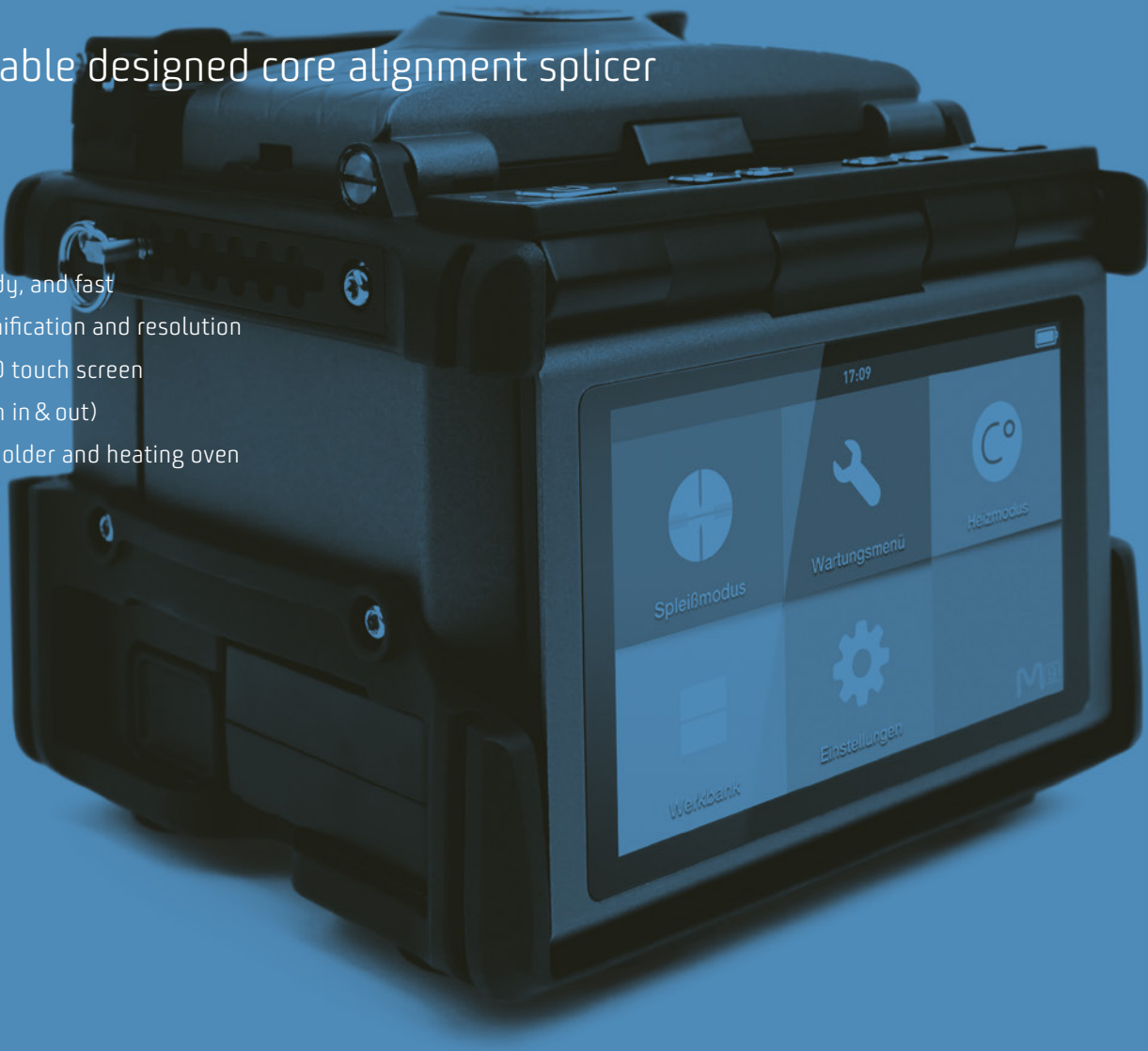
KWS | ELECTRONIC TEST EQUIPMENT GMBH

M9

Ultra-portable designed core alignment splicer

Core alignment
Lightweight, handy, and fast
Exceptional magnification and resolution
4.3-inch color LCD touch screen
Double tap (zoom in & out)
Detachable SOC holder and heating oven



INNO INSTRUMENT™

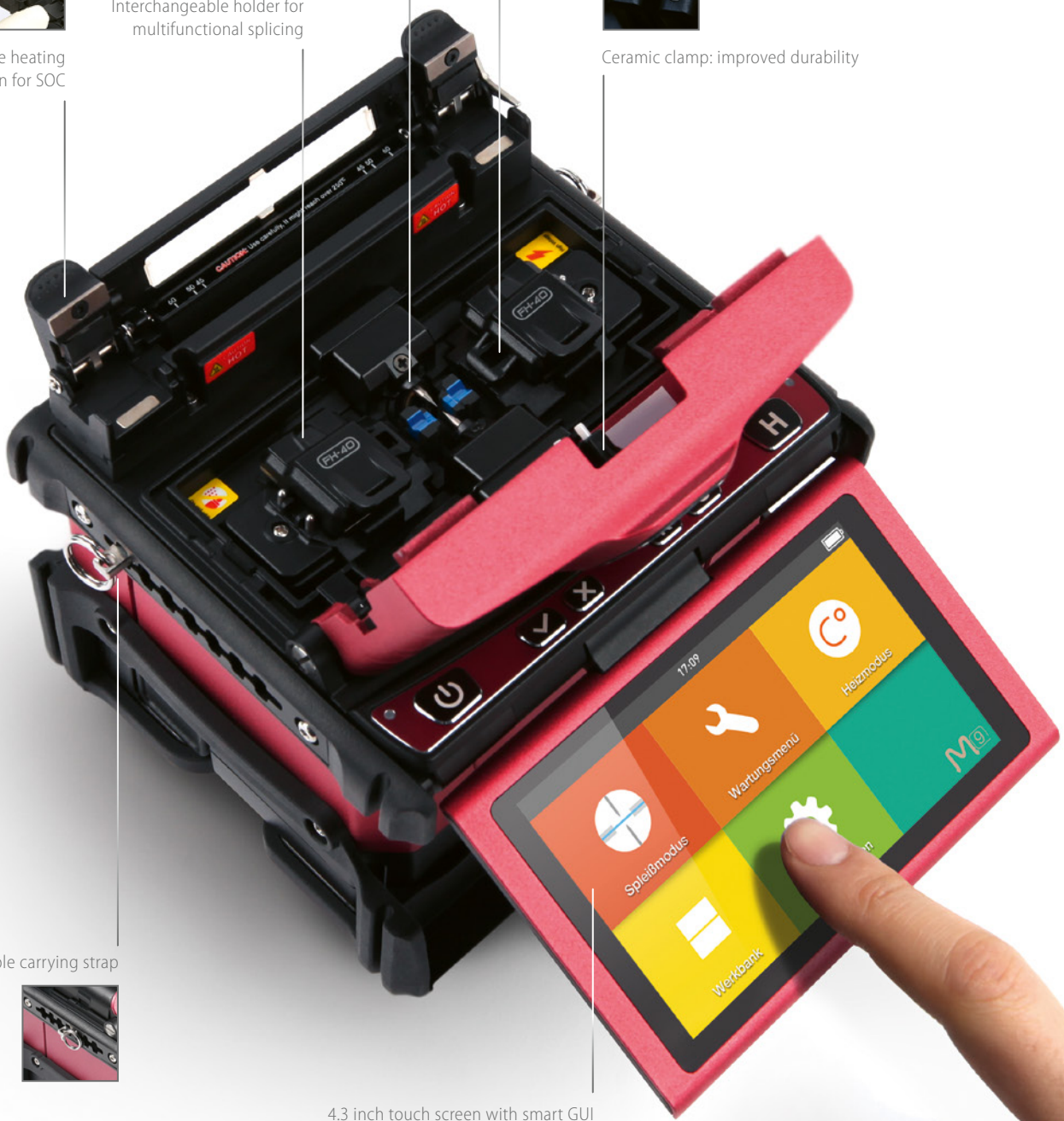
Long life electrode

2 bright LEDs for
dark environment

Interchangeable holder for
multifunctional splicing

Detachable heating
oven for SOC

Ceramic clamp: improved durability



Adjustable carrying strap

4.3 inch touch screen with smart GUI
Highest 400 × magnification
Double tap to zoom in & out

touch

The M 9 from INNO Instrument is a core alignment splicer with an ultra-portable design, and is one of the most efficient fusion splicers on the market in this segment.

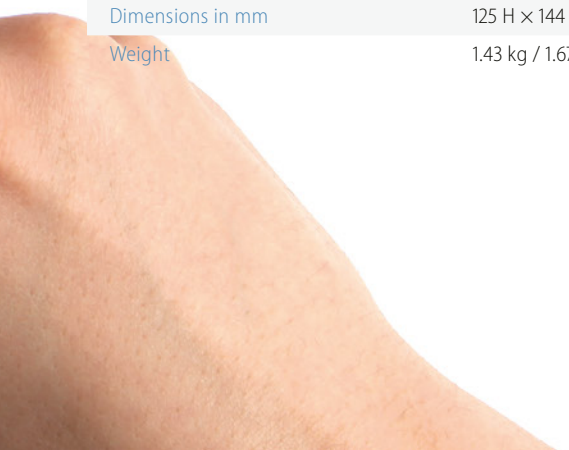
Despite its compact design and light weight, the M 9 has virtually all the powerful features for which INNO Instrument is known. Documentation images are captured at 400 × magnification. This allows for extremely detailed inspection on the high-resolution 4.3-inch color LCD screen.

The user-friendly interface is intuitively designed; zooming in and out, for example, is as simple as a double tap. It is also possible to operate the splicer using its buttons.

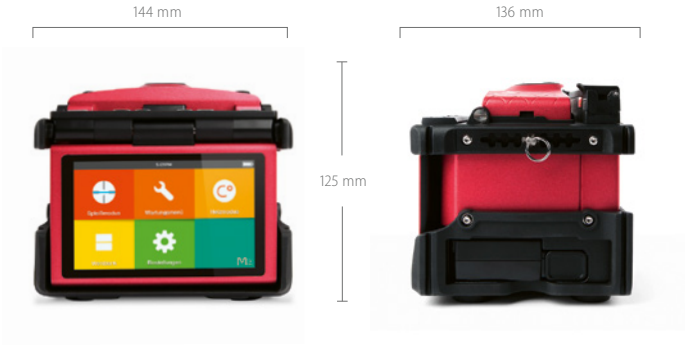
Two bright LEDs ensure comfortable working even in difficult lighting conditions. 7 seconds splicing time in fast mode as well as the operation with 6 motors are state of the art.

Specifications

Model	M 9
Motor operation	6 motors
Number of fibers	Single
Applicable fibers	SM (ITU-T G.652 & G.657)/MM (ITU-T G.651)/DS (ITU-T G.653)/NZDS (ITU-T G.655)
Compatible fiber / cable	0.25–3.0 mm / Indoor cable
Cleaved length	10–16 mm
Cladding diameter	80–150 µm
Splicing mode	Maximum 128 modes, 24 presets
Heating mode	Maximum 32 modes, 7 presets
Typical splice loss	SM: 0.02 dB/MM: 0.01 dB/DS: 0.04 dB/NZDS: 0.04 dB/G.657: 0.02 dB (ITU-T standard)
Splicing time	Fast mode: 7 seconds / Auto mode: 9 seconds
Heating time	13 seconds (45 mm, slim 60 mm), 15 seconds (60 mm)
Heating sleeve length	20–60 mm
Screen	90° bidirectional view, 4.3 inch high resolution color display
Fiber view & magnification	300 × magnification with 3 display modes, 400 × partial magnification
Return loss	›› 60 dB
Estimated splice loss	Accessible
Results storage	Last 10,000 results (Values + images)
Tension test	1.96–2.25 N
Operation	Button / Touchscreen
Lighting	2 white LEDs
Power supply	AC Input 100–240 V, DC Input 9–14 V
No. of splice & heating with battery	3,000 mAh battery capacity / Typical 130 times (Splice + heat), in economy mode 200 times
Automatic calibration	Automatic arc calibration by air pressure and temperature
Electrode life	5,500 arcs, can be extended by using an electrode grinder
Connection	Mini USB
Operating conditions	Operating altitude: 0–5,000 m above sea level / 0–95 % relative humidity / –10 to 50 °C / Maximum wind 15 m/s
Storage conditions	0–95 % relative humidity / –40 bis 80 °C
Dimensions in mm	125 H × 144 W × 136 D
Weight	1.43 kg / 1.67 kg (including battery)



Weight and dimensions



Höhe: 4.92" (125 mm)
Breite: 5.66" (144 mm)
Tiefe: 5.35" (136 mm)
Gewicht: 1.67 kg (without battery: 1.43 kg)

Scope of delivery

Splicer	M 9
High precision cleaver	V 7+ (optionally also V 10 Pro)
Fiber holder	FH-200/250S, FH-900S, FH-40
SOC holder	HTN-SOC
Power adapter	JS-1618
Cooling tray	CG-22
Electrode	E-50
Battery pack	LBT-3000
Power cable	ACC-25
USB cable	CTA-01
Manual	CD-ROM
Carrying case	ICC-50

Accessories

In addition to the splicer, various tools are required for the correct preparation of the fibers. If you are not yet equipped for this, we are of course happy to help. Whether it's a suitable stripper, a loose tube cutter, cleaning fluid and cloths or a crimping press, we can provide everything. And we're here to help and advise you. Talk to us or get an initial overview online.

Splicing technology
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