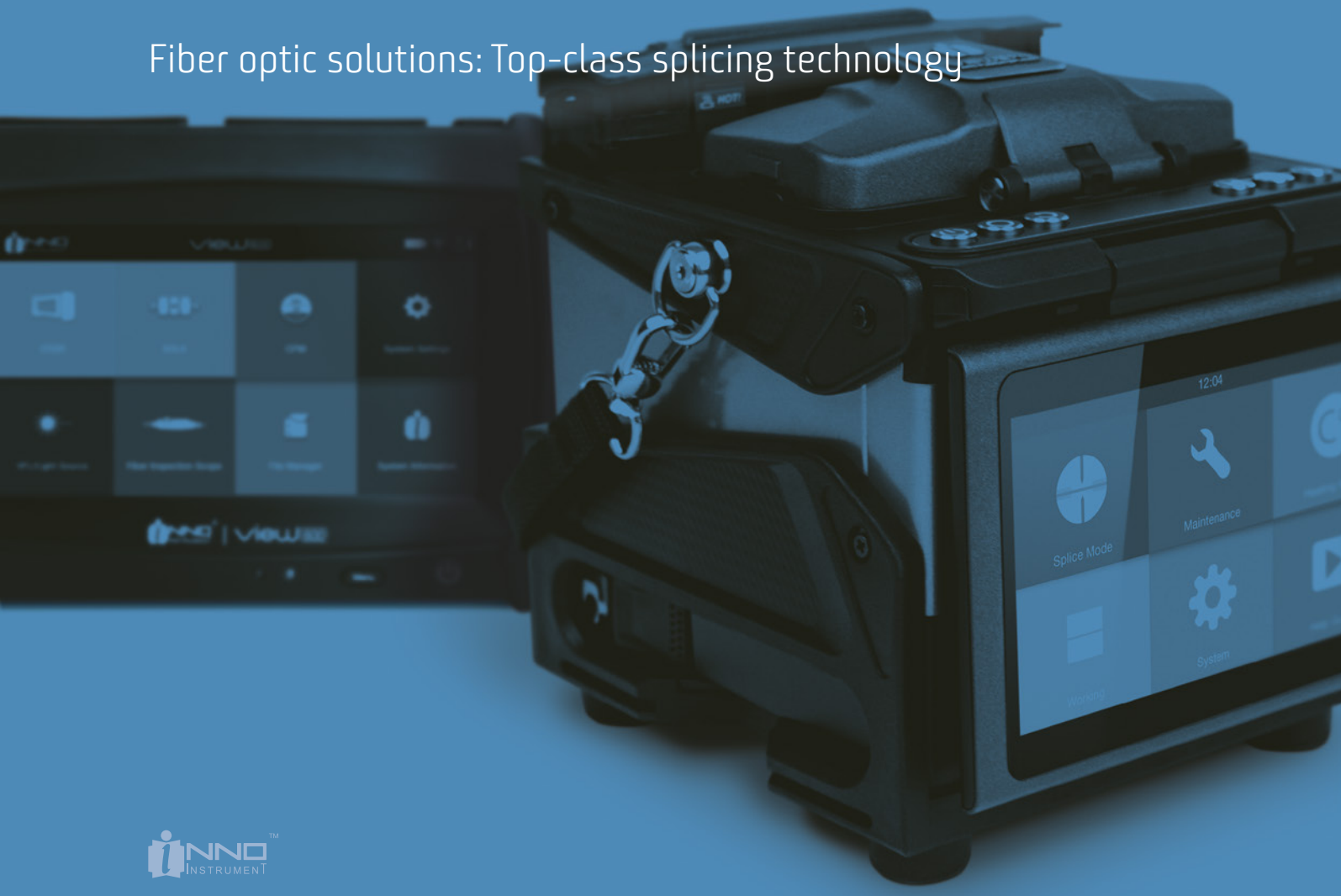
KWS | ELECTRONIC TEST EQUIPMENT GMBH

# View Pro series

Fiber optic solutions: Top-class splicing technology




INNO INSTRUMENT™

# — Fiber ...

## signal transmission for tomorrow.

The demand for more and more bandwidth in modern data transmission is constantly increasing. However, the technology used must be manageable for technicians on site. For this reason, in addition to the classical cRF technology via coaxial lines, the use of optical transmission via fiber optic lines has become indispensable.

The share of fiber optics in signal distribution is growing as rapidly as the applications that require it: Home office and distance learning, video calling and web conferencing, home theater and music streaming, server connections and, of course, surfing when everyone is on the Internet at the same time.

That is why KWS distributes the complete program of the leading manufacturer INNO Instrument from South Korea. INNO develops and manufactures splicing equipment and ODTRs designed for optimal quality and easy handling.

With this cooperation, KWS is further positioning itself as a competent partner for measurement technology solutions in the fiber optics sector as well as in all technological sectors.

This very successful cooperation is based on our common requirements for uncompromising quality and solid durability. INNO's products are just as high quality and robust as KWS's antenna measurement receivers. In cooperation with KWS, INNO Instrument offers a 3-year warranty on the splicers of the View series as standard.

Now we jointly launched the new View Pro product line. Many small but important subtleties have been improved in all devices—based on user experience and feedback. It is the details that make these product innovations the new standard in the telecommunications industry. One of the highlights is the equipment with an IoT module, which allows the device to be connected to the View Pro Cloud Management System.

One of the key added values of the View Pro product line is its integration with the free View Pro Cloud Management System, which enables a whole new level of remote management. Highlights:

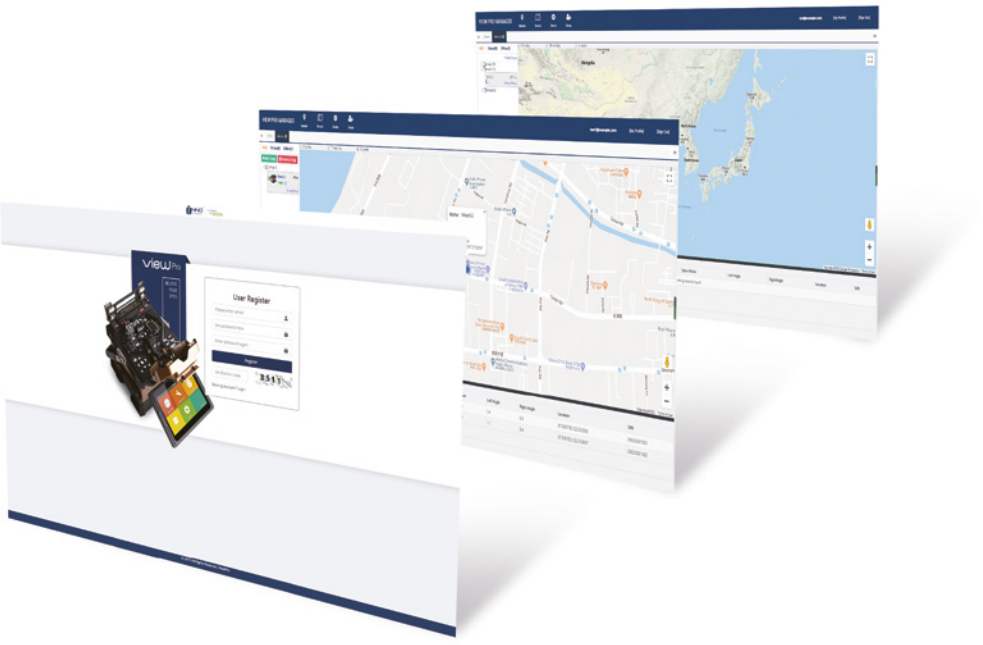
Real-time **tracking function** shows where the splicing device is at any given moment—forgetfulness and theft are finally a thing of the past. And pop-up messages quickly inform about the status of the device.

With **device management**, you can keep an eye on an electrode warning or a calibration to be performed, for example, at any time. And software updates can even be imported from the cloud.

All **reports and data** are exchanged online and are therefore immediately available—even if the device remains on a remote construction site. A physical readout via USB is still optionally possible.

**Work/job management** automatically archives the work progress of each individual device. Workforce planning has never been easier and efficiency gains more immediate.

All functions are controlled or accessed from the dashboard on the PC connected to the INNO iCloud server. The splicers themselves, in turn, communicate with the server via cellular 4G/5G. All it takes is a low-cost IoT SIM card and the splicer is already on the web. And all information is available as quickly as possible and always up to date.

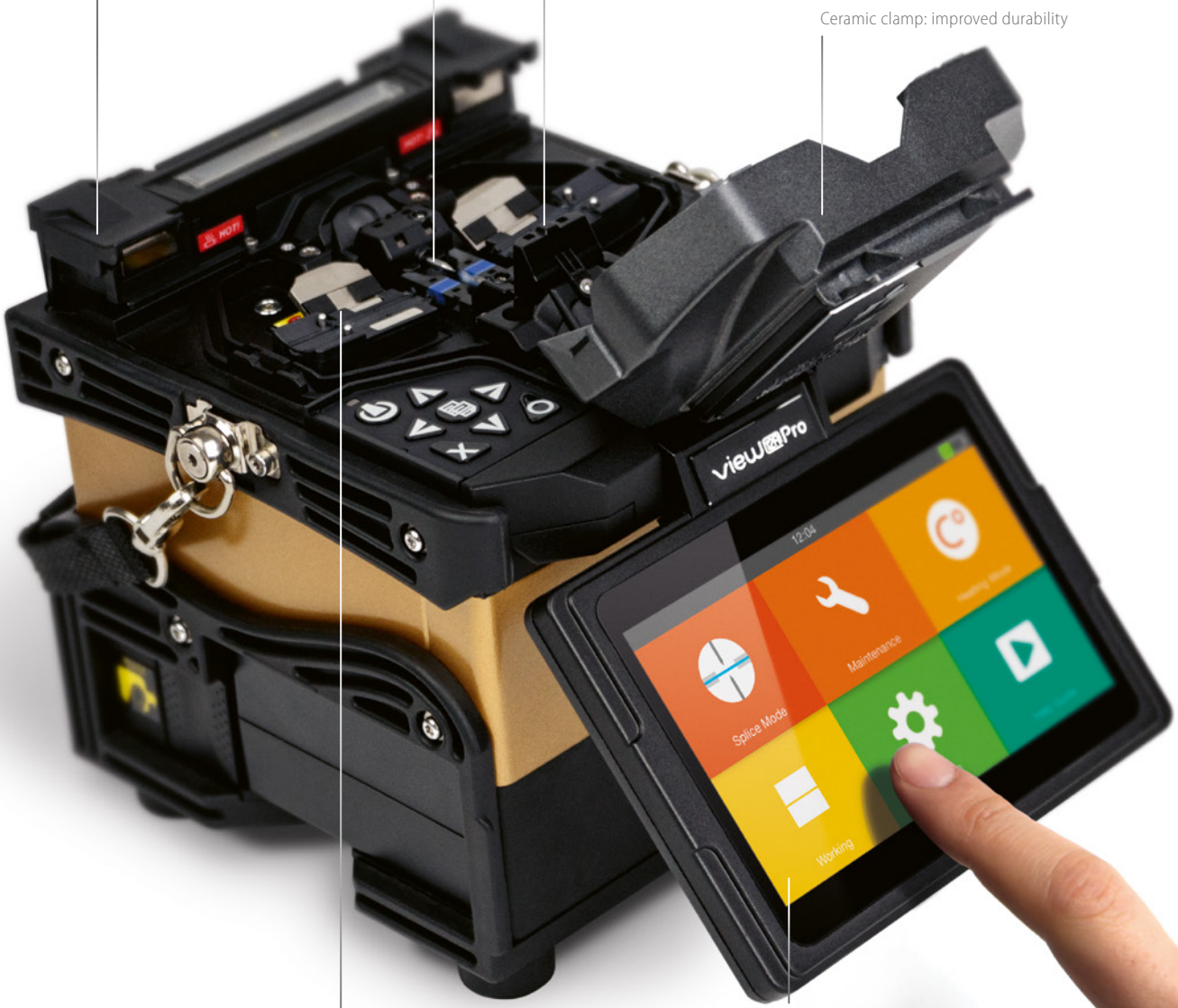


Easy to replace electrodes

2 bright LEDs for
dark environment

Detachable
heating oven for SOC

Ceramic clamp: improved durability




Changeable holder for
multi-functional splicing

5,0"Touch screen with smart GUI
The highest 520× magnification
Double tap to zoom in & out

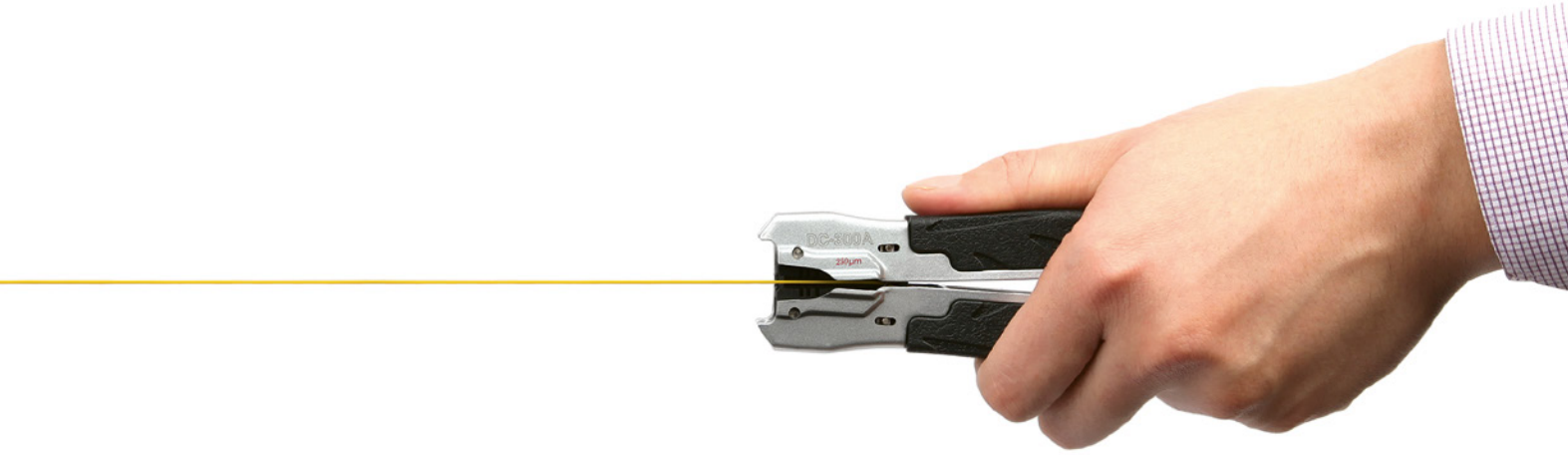



Typical characteristics of all splicing
devices from INNO Instrument
(illustrated by the View 8 Pro).

All View Pro splicers are equipped with the highest optical resolution on the market. 520 ×! This makes the calculation of the attenuation after the splicing process incomparably accurate. The high-resolution and extremely robust touch screen, which is protected from damage by tempered glass, with a sophisticated user interface allows very intuitive operation—even with video tutorials.

Complies with the requirements of Telekom "ZTV-TKNetz 48".

| Model | View 3 Pro | View 5 Pro |
|---|---|---|
| Type | Clad alignment | Core aligmment |
| Dimension in mm | 151 H × 149 W × 177 D | 151 H × 149 W × 177 D |
| Weight | 2.21 kg | 2.21 kg |
| Warranty | 3 years | 3 years |
| Display | 5,0" high resolution color display | 5,0" high resolution color display |
| | 90° bi-directional view | 90° bi-directional view |
| Picture magnification | 520 × | 520 × |
| Splicing time | Quick mode: 7 seconds | Quick mode: 9 seconds |
| Heating time | typical 13 seconds | typical 13 seconds |
| Splicing mode | maximum 128 modes | maximum 128 modes |
| Heating mode | maximum 32 | maximum 32 |
| Typical splice loss | SM: 0.03 dB/MM: 0.01 dB/DS: 0.05 dB/ | SM: 0.02 dB/MM: 0.01 dB/DS: 0.04 dB/ |
| | NZDS: 0.05 dB/G.657: 0.03 dB | NZDS: 0.04 dB/G.657: 0.02 dB |
| Battery capacity | 5,200 mAh | 5,200 mAh |
| Splicing with fully charged battery | typical 200 times (Splice + Heat) | typical 200 times (Splice + Heat) |
| Results storage | the last 10,000 results (Values + Photos) | the last 10,000 results (Values + Photos) |
| Validation of results | ✓ | ✓ |
| Connections | TYPC/SIM, USB Type-C | TYPC/SIM, USB Type-C |
| Waterproof | ✓ IPX2 (Dripping water when tilted at 15°) | ✓ IPX2 (Dripping water when tilted at 15°) |
| Shock resistant | ✓ Fall from 76 cm height | ✓ Fall from 76 cm height |
| Dustproof | ✓ IP5X (Examination in the dust chamber for 8 hrs) | ✓ IP5X (Examination in the dust chamber for 8 hrs) |



Complies with the requirements of Telekom "ZTV-TKNetz 48".

Complies with the requirements of Telekom "ZTV-TKNetz 48".

| View 8 Pro | View 12R Pro |
|---|---|
| Core alignment | Clamp alignment |
| 162 H × 143 W × 158 D | 167 H × 143 W × 159 D |
| 2.78 kg | 2.68 kg |
| 3 years | 3 years |
| 5,0" high resolution color display | 5,0" high resolution color display |
| 90° bi-directional view | 90° bi-directional view |
| 520 × | 520 × |
| Quick mode: 6 seconds | 9 to 15 seconds (Single/Ribbon fiber) |
| typical 13 seconds | typical 20 seconds |
| maximum 128 modes | maximum 128 modes |
| maximum 32 | maximum 32 |
| SM: 0.01 dB/MM: 0.01 dB/DS: 0.03 dB/ | SM: 0.05 dB/MM: 0.02 dB/DS: 0.08 dB/ |
| NZDS: 0.03 dB/G.657: 0.01 dB | NZDS: 0.08 dB/G.657: 0.05 dB |
| 9,000 mAh | 9,000 mAh |
| typical 355 times (Splice + Heat) | typical 220 times (Splice + Heat) |
| in Power-Save-Mode up to 450 times | |
| the last 10,000 results (Values + Photos) | the last 10,000 results (Values + Photos) |
| ✓ | ✓ |
| TYPC/SIM, USB Type-C | TYPC/SIM, USB Type-C |
| ✓ IPX2 (Dripping water when tilted at 15°) | ✓ IPX2 (Dripping water when tilted at 15°) |
| ✓ Fall from 76 cm height | ✓ Fall from 76 cm height |
| ✓ IP5X (Examination in the dust chamber for 8 hrs) | ✓ IP5X (Examination in the dust chamber for 8 hrs) |

For INNO products, we provide the same competent support and troubleshooting as for our antenna measuring receivers. We also offer training on the use of the instruments and on the fiber optic technology itself.

As a certified service center for INNO Instrument, repairs or maintenance are performed directly at KWS and are carried out quickly and reliably as usual. And if a loaner instrument is needed, we have access to a large pool of equipment.

For an overview of other INNO Instrument products such as OTDRs and a wide range of professional tools, see "Fiber" on our website **www.kws-electronic.com**.

All devices are delivered in a practical carrying case with shoulder strap as well as cleaver, power supply and battery, power and USB cable and spare electrode.

KWS also offers accessories, consumables and other products for fiber optics, either directly or in our webshop.

All solutions from one source.

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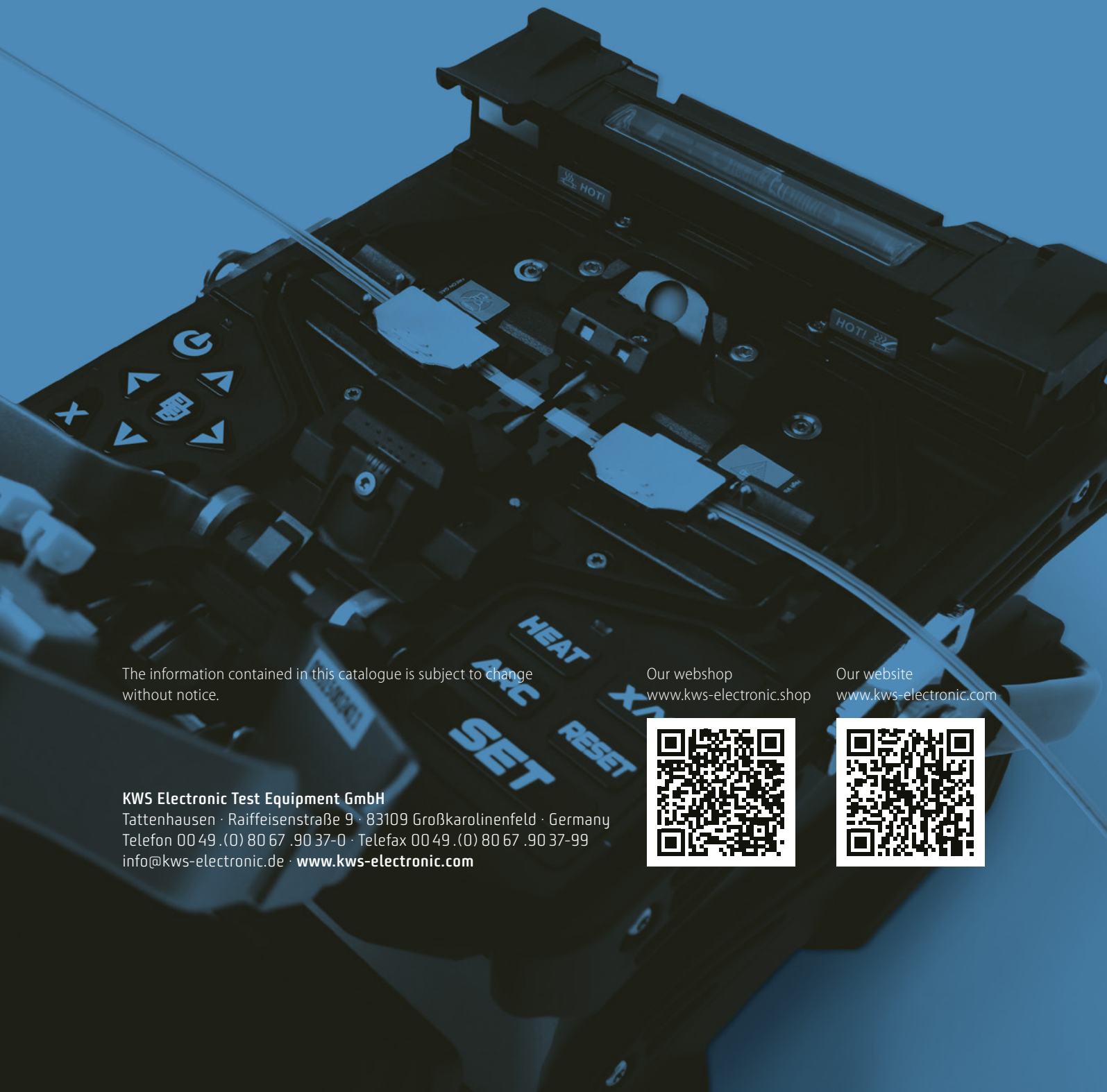


The information contained in this catalogue is subject to change without notice.

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