



S1441

seal module

komax

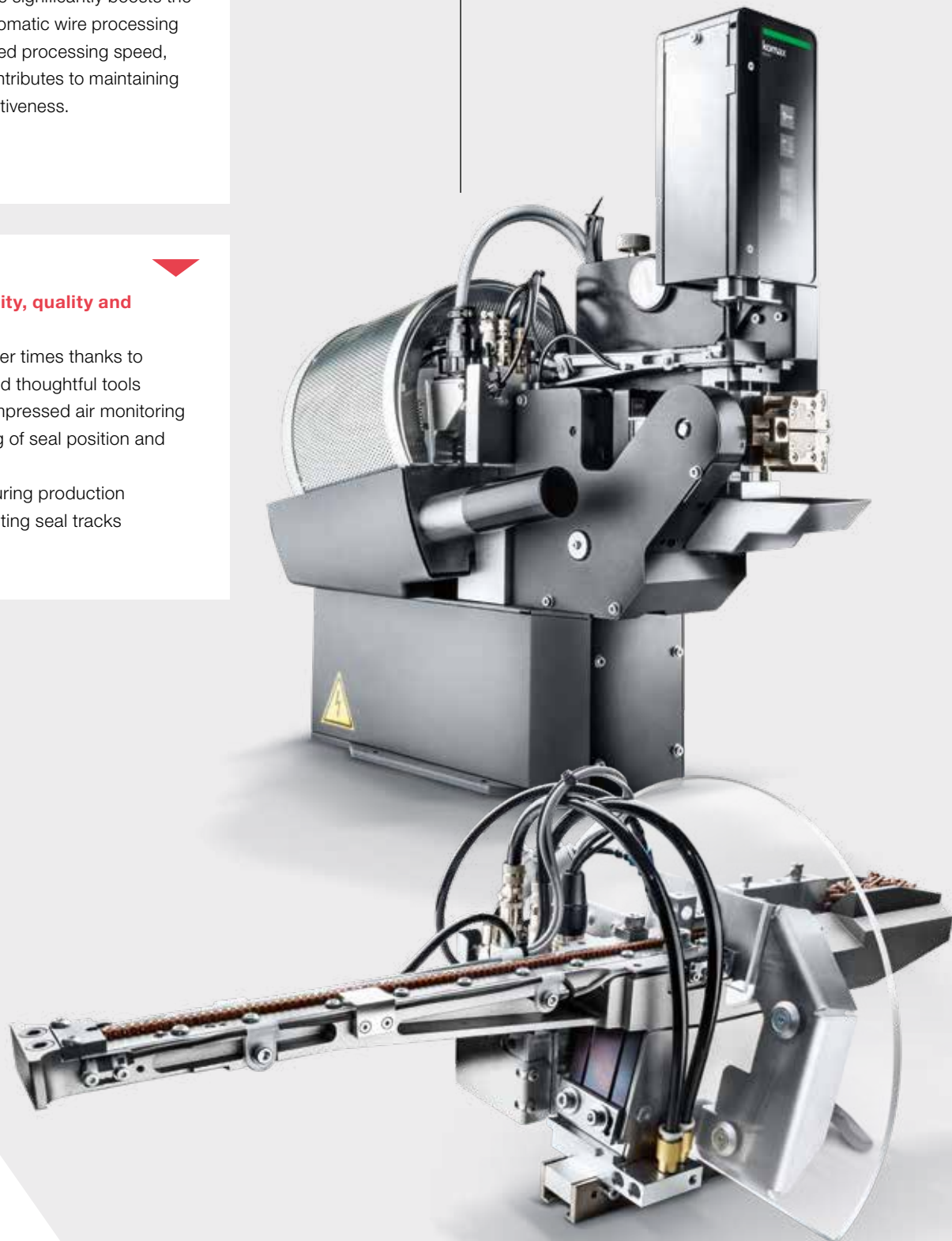
S1441

The latest generation of the Komax seal module S1441 creates the ideal conditions for the loading of customary seals and mini-seals. Setup times can be kept to a minimum due to automatic detection of seal tracks. The easy, intuitive operation of the module significantly boosts the productivity of fully automatic wire processing machines. The increased processing speed, stability and quality contributes to maintaining and improving competitiveness.

Increased productivity, quality and stability

- Very short changeover times thanks to intuitive operation and thoughtful tools
- Stability through compressed air monitoring
- Integrable monitoring of seal position and strip quality (Q1240)
- Image processing during production
- Compatible with existing seal tracks

MAXIMUM PRODUCTIVITY THROUGH PROCESS STABILITY





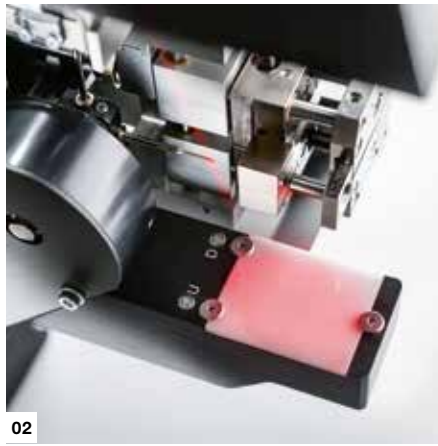
01

Maximum process stability and minimal changeover times

The innovative seal module S1441 enables reliable processing of up to 380 different seal variants – particularly mini-seals. Together with the newly developed and mechanically optimized SST seal track, the module achieves outstanding quality in conveying operations. It stores the required operating parameters in the conveying track. This enables a re-start of production without additional manual adjustments. Changeover times are shortened and entry errors eliminated. Existing seal tracks are compatible and can be processed with a high level of stability. To ensure a stable seal feed, the compressed air is displayed and can be adjusted with ease.

Intelligent seal track saves settings

The determined operating parameters are stored directly on the newly developed Smart Seal Track (SST). When re-used, there is no need to set the parameters again. The seal track transmits stored values to the S1441 module, which detects the parameters and automatically configures them. Moreover, it is compatible with the Komax seal modules mci 761, mci 762, mci 765, mci 765 C and S1440 as well as with the bt 752 crimper.



02

Quality monitoring without teach-in by Q1240

Configuration of the seal position and the optional optical seal monitoring is performed automatically and requires no teach-in measures – which reduces the setup time to a minimum. The Q1240 detects pierced and turned seals and reliably analyzes the images without decelerating the production process. It checks the strip quality and the large field of vision also enables the monitoring of large seals.



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01
Interactive process lighting combined with intuitive operation optimally supports production.

02
The Q1240 quality tool reliably detects the seal position, the strip quality as well as pierced and turned seals

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The right tool set for every seal variant.

Technical data

Maximum seal outerdiameter	S1441: 10 mm (0.39 in) S1441 G: 18 mm (0.71 in)
Maximum seal length	S1441: 11 mm (0.43 in) S1441 G: 21 mm (0.83 in)
Loading capacity	Approx. 4,500 pcs/h
Changeover time	2–5 minutes
Seal monitoring Q1240	Optionally integrable or available as retrofit set
Communication	EtherCAT
Electrical connection	230 V AC, 50/60 Hz
Compressed air connection	Oil-free compressed air 5 – 8 bar (72 – 116 psi)
Dimensions (L x W x H)	225 x 535 x 500 mm (8.9 x 21.1 x 19.7 in)
Weight	Approx. 28 kg (62 lb)

The seal module is available in the variants S1441 Standard and S1441 G for large seals.

Komax – leading the field now and in the future

As a pioneer and market leader in the field of automated wire processing, Komax provides its customers with innovative and sustainable solutions for any situation that calls for precise contact connections. Komax manufactures series and customer-specific machinery for various industries, catering for every degree of automation and customization. Its range of quality tools, test systems, and intelligent networking solutions complete the portfolio, and ensure safe and efficient production. Komax is a globally active Swiss company with development and production facilities on several continents. Komax uses its extensive distribution and service network, which includes local companies and their employees, to support customers across the world on site, thus ensuring the availability and value of their investments after equipment commissioning through standardized service processes.



Market segments

Komax offers outstanding competence and solutions for various areas of application and draws on them to generate the desired value-added for the entire process and optimize economic efficiency in line with customer requirements. The main markets of Komax are as follows: automotive, aerospace, industrial and telecom & datacom. With this breadth of experience, customers obtain expert knowledge for process optimization and access to the latest technologies.

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YEARS
CUTTING
EDGE

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