



KRI 450/850

wire handling

KRI 450/850

The wire ring coilers from our partner ramatech are powerful and flexible peripheral devices. Wires and flexible conductors up to a diameter of 35 mm can be processed with the ring coiler devices. The parameters can be quickly and easily programmed on an LCD operating panel. The fully automatic ring coilers are equipped with interfaces to various automatic wire processing machines and are therefore ideally suited as additional equipment and as an uncomplicated expansion to a complete processing line.

Your benefits

- Increasing the degree of automation all the way to a fully automated line.
- Wires are handled with great care.
- Perfectly formed and bound wire coils, i.e. consistently high quality and value of the end product.
- Can be perfectly integrated into upstream and downstream processes.



Automatic coiling systems in three levels of convenience

The KRI 450 C / CB / CBP, and KRI 850 C / CB / CBP models offer the right solution for every requirement. The ring coilers all ensure fast and efficient coiling. An additional manual binding station is integrated in the CB models. The CBP models, on the other hand, are fully automatic coiling and binding machines. The coil diameters are flexible: Thus, wire coil inner diameters of min. 120 mm (KRI 450) or 250 mm (KRI 850) and max. 600 mm (KRI 850) can be processed on the machines.

FULLY AUTOMATIC COILING SYSTEMS COILING, BINDING, DEPOSITING



KRI 450 / 850 C - Coil

- The wire is fed directly from the automatic cutting machine, e.g. Komax Kappa, into a guide tube to the ring coiler.
- The coiling mandrels pick up the wire and rotate it into a regularly shaped wire coil.
- Once the wire has been fully coiled up, the coiling mandrels lower and the cover automatically opens.
- Heavy wire coils can easily be pushed flat over a table.

KRI 450 / 850 CB - Coil + Bind

- Corresponds exactly to the coiling system described above, but with an integrated manual binding device.
- The wire coil is moved laterally from the coiler at the same height and is guided flush by hand into the binding device. There, the coil is tied with an elastic rubber cord.



KRI 450 / 850 CBP - Coil + Bind + Pull

- This device is a fully automatic coiling and binding machine.
- Two fixing units with rod-shaped grippers transport the wire coil to the binding station and then to the deposit position.
- The coil is automatically ejected on the right after double binding.



Technical data

	KRI 450 C/KRI 450 CB	KRI 850 C/KRI 850 CB	KRI 450 CBP	KRI 850 CBP
Wire coil inner diameter	min. 120 mm	min. 250 mm / max. 600 mm	min. 120 mm Simple coiling operation Automatic operation	Simple coiling operation min. 250 – max. 600 mm Automatic operation min. 250 – max. 400 mm
Wire coil outer diameter	max. 430 mm	max. 850 mm	Simple coiling operation max. 430 mm	Simple coiling operation max. 850 mm Automatic operation max. 600 mm
Wire coil height	max. 145 mm	max. 160 mm	max. 145 mm	max. 160 mm
Flexible conductors up to diameter	max. 20 mm	max. 35 mm	max. 20 mm	max. 35 mm
Weight of wire coils	40 kg	80 kg	Simple coiling operation 40 kg Automatic operation approx. 20 kg	Simple coiling operation 80 kg Automatic operation approx. 20 kg
Controls	PLC and LCD operating terminal; the following are programmable: – Inner and outer diameter – Slope – pull out – Lowering time of the coiling mandrels			
Interfaces	Control of feeding devices and automatic wire processing machines			
Speed	Synchronously controlled speed by the upstream machine via existing interface			
Connection	230 VAC / 10 AT	230 VAC / 10 AT	230 VAC / 10 AT	230 VAC / 10 AT
Pneumatics	6 bar	6 bar	6 bar	6 bar
Rotational speed	max. 310 min. ⁻¹	max. 133 min. ⁻¹	max. 310 min. ⁻¹	max. 133 min. ⁻¹
Weight	KRI 450 C = 120 kg KRI 450 CB = 190 kg	KRI 850 C = 250 kg KRI 850 CB = 350 kg	250 kg	550 kg
Dimensions	KRI 450 C housing only 600 × 795 × 1184 mm KRI 450 C with inlet tube 800 × 795 × 1184 mm KRI 450 CB housing only 1422 × 795 × 1300 mm KRI 450 CB with inlet tube 1622 × 795 × 1300 mm	KRI 850 C housing only 990 × 1163 × 1333 mm KRI 850 C with inlet tube 1225 × 1163 × 1333 mm KRI 850 CB housing only 1806 × 1163 × 1333 mm KRI 850 CB with inlet tube 2041 × 1163 × 1333 mm	housing only 1800 × 795 × 1750 mm with inlet tube 2000 × 795 × 1750 mm	housing only 2778 × 1163 × 2020 mm with inlet tube 3040 × 1163 × 2020 mm

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 to 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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