



F1160

wire handling

komax

F1160

This advanced and reliable feeder was specially designed for automatic processing of wire reels weighing up to 600 kg. Thanks to its strong construction and the efficient drive mechanism, this feeder gently and effortlessly processes wires reliably, whether thin flexible coaxial wires or thicker HV-wires.

Simple handling

- Short changeover times thanks to simple setup system supported by handheld remote control
- Generous access to set up the wire reel
- Motorized spool lifting and clamping system for smooth handling of the wire reel

Fast and smooth wire feeding

- High feeding speed of up to 4 m/s* with minimum tensile load on the wire
- Optimized unloading position of the storage systems after the job is completed
- Gentle wire feeding due to low-friction design with fine adjustment of the compressed air

High flexibility in any application

- Processes wide range of round wires, up to 35 mm outerdiameter
- Adjustable height of outfeed pulley
- Loading of reels from different directions: the storage systems can be mounted on the right, back and left side of the dereeler

WIRE FEEDING FOR DEMANDING CONTAINERS RELIABLE AND GENTLE ON MATERIALS

Short changeover times

Featuring a range of innovative technologies, including an integrated spool lifting system, simplified wire routing, and a back-feed feature for linear storage, this system streamlines the changeover process and maximizes productivity. The remote control options give the operator more flexibility to manage the system safely and efficiently, achieve faster changeover times and improve accessibility when loading and unloading reels.

Heavy-duty layout

The heavy-duty layout is specifically designed to support the handling of reels weighing up to 600 kg. The solid design of this layout ensures maximum stability and maximum accessibility, allowing operators to move and position the spools with ease and confidence. With a maximum reel diameter of 1000 mm, the layout is versatile and can accommodate a wide range of reel sizes.

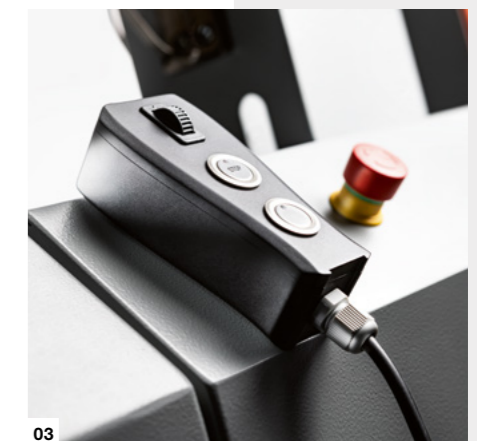
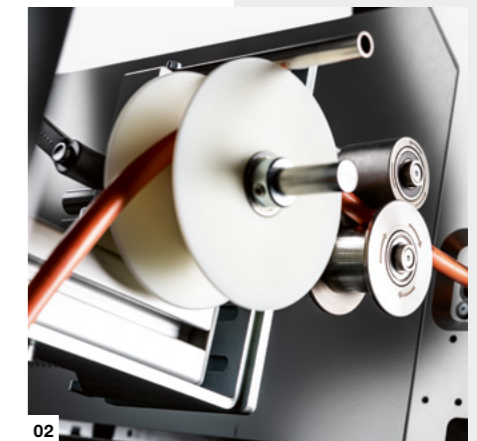
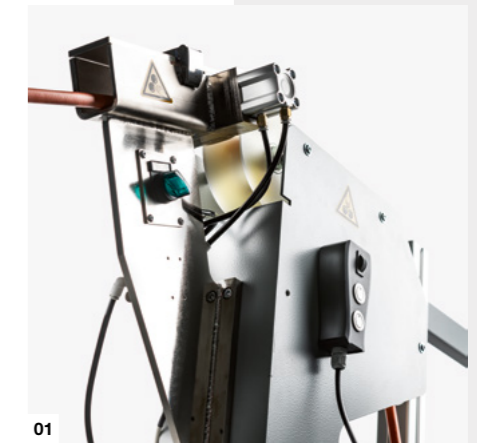
High output

The advanced design of the wire storage, which can be stored with the arm down as well as linear, enables high wire unwinding speeds of up to 4 m/s. Despite this high wire speed, the tensile force on the wire remains minimal. This is due to the linear storage capacity of 5.4 m, as well as to the possibility of extending the arm down storage to increase the storage capacity.

01 Once the end of the wire has been reached, the F1160 sends a stop signal to the wire processing machine to load a new wire spool.

02 The safety function "back stop" prevents uncontrolled backward movement of a wire. The back stop ensures that the wire stays in place when not in use, preventing any potential accidents.

03 Designed to be simple and easy to use, the system setup can be supported by a handheld remote control device, helping minimize downtime during production runs.



Technical data

Max. wire diameter linear / storage arm down	20 / 35 mm
Max. wire reel diameter	1000 mm
Max. wire reel width	750 mm
Max. wire reel weight	600 kg
Min. core hole diameter	20 mm
Max. wire feed speed	4.0 m/s*
Max. dereeling speed	160 rpm
Max. storage capacity	5.4 m
Electrical connection	3 x 400 V (Options for 208 V and 480 V)
Performance	3 kW
Compressed-air connection	4 - 6 bar
Height of wire outlet	1030 - 1170 mm
Dimensions (W x H x D)	2900 x 2580 x 1410 mm
Max. weight (with linear storage)	920 kg
Output for feedback	Yes

* Depending on product length (length of wire to be produced) and drum diameter

Komax – leading the field now and in the future

As a pioneer and market leader in automated wire processing, Komax provides its customers with innovative solutions. Komax manufactures series and customer-specific machinery, catering to every degree of automation and customization. Its range of quality tools, test systems, and intelligent software and networking solutions complete the portfolio, and ensure safe, flexible, and efficient production.

Komax is a globally active Swiss company with highly qualified employees and development and production facilities on several continents. It provides local support to customers worldwide through its unique sales and service network and offers services that help them get the most out of their investments.

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