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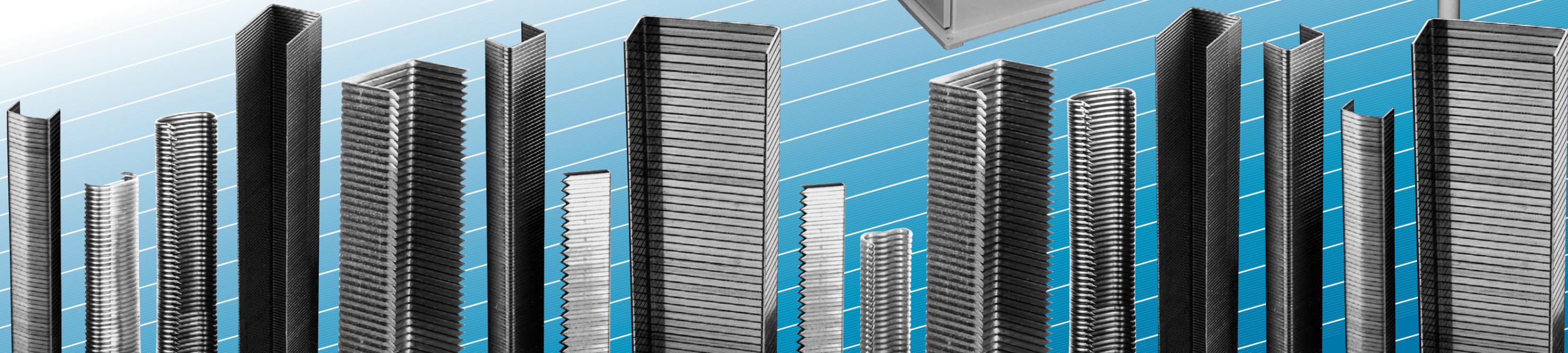
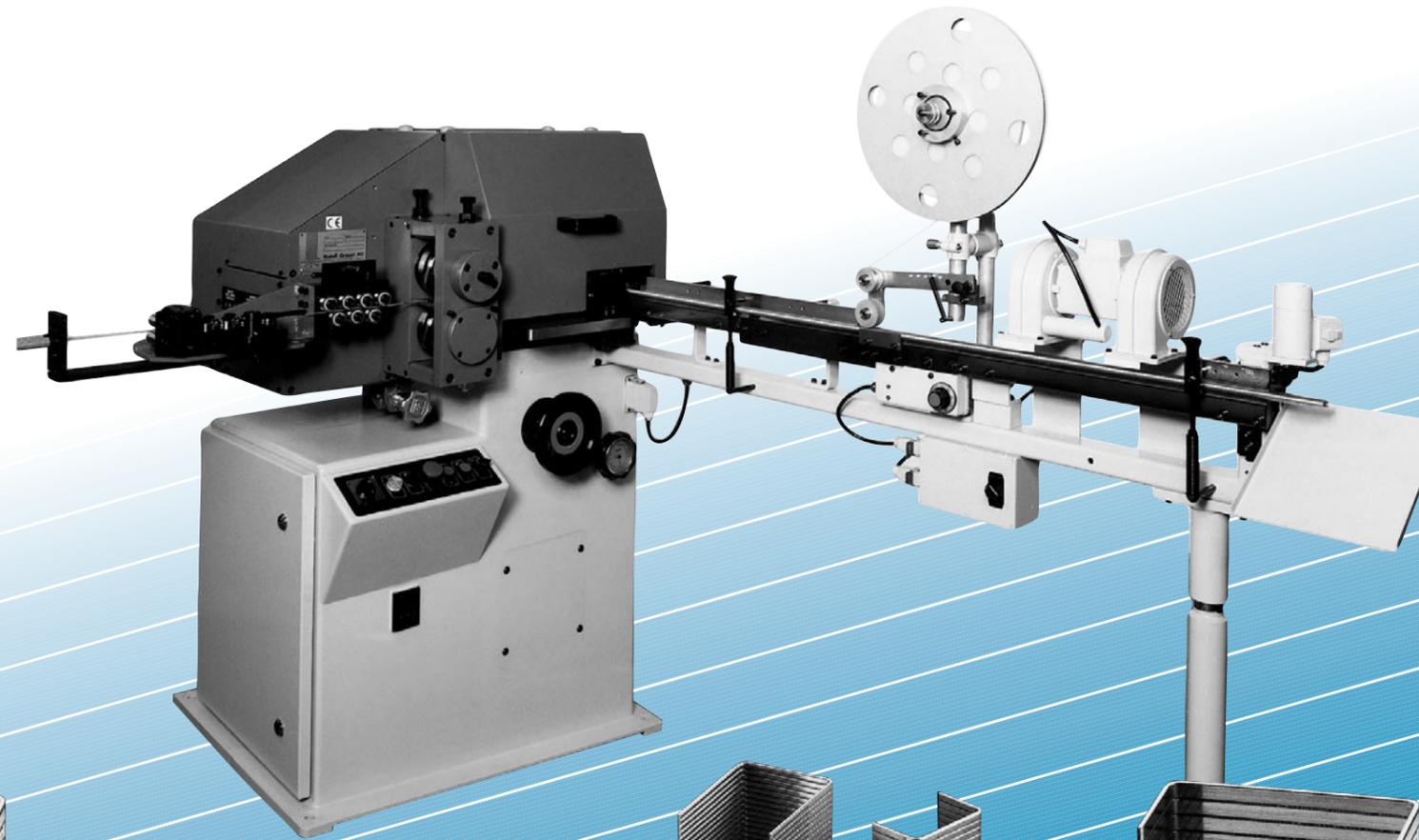
Staple Automatic KS 110/170

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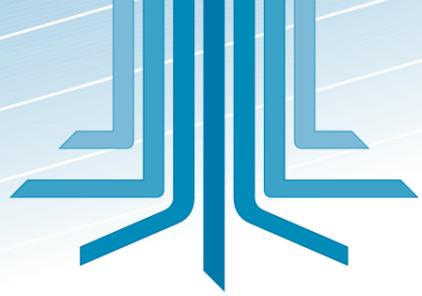
Technical Specifications

Wire-Ø range 0.4 – 2.4 mm
Wire feed length 12 – 170 mm
max. length of leg 75 mm
max. width of staple 40 mm
max. stroke performance 420/min.
Driving power 2.2 kW
Heating capacity 0.4 kW
Weight approx. 700 kg
Space required without pay off, approx.
L = 3'400 mm, W = 1'200 mm, H = 1'800 mm

subject to change 5000.3.00.SCH



Staple Automatic KS 110/170



The machine is designed for the manufacture of office and industrial staples as well as Hog-Rings. The machine is fully automatic from the wire coil to the finish glued or resin bonded staple strips in a given length. Depending on the wire diameter and the shape of staple up to 10 wires can be fed simultaneously, at production rates of up to 4'000 staples per minute. The infinitely variable speed adjustment ensures optimum efficiency in any range. Tungsten carbide tipped tools and a convenient lubrication system round out this very robust machine concept.



Accurate guidance of each wire is fundamental to a perfect multi-wire process. A straightening system with 7 vertical and horizontal plane rollers, guarantees the necessary straightening quality for the whole range of wire diameters. Three rollers on each plane are individually adjustable and a quick-release hinge allows convenient handling.



The cutting unit can be simply shifted as a whole unit into any position within the full length range. Accurate cutter adjustment is carried out within a few seconds. Cutting heads are available for all normal shapes of cut and are interchangeable.

The control of the cutting and bending tools is accomplished by cam rollers. The same applies to the staple advance of the gluing rail. Reliable operation with lowest possible noise level is therefore also ensured at high stroke frequency. The gluing and thermostatically controlled drying track with solenoid controlled staple strip cut-to-length complete the manufacturing process.

The accurately adjustable feeding system also serves as a flattening unit. The top feed roll can be adjusted on both sides permitting multi-wire operation with normal tolerance of wire. The feed length can be set by means of an eccentric and a freewheel clutch. Helical and hardened gears ensure a smooth rolled finish. The taper roller bearings on both sides of the feed rolls fully meet the high static and dynamic stress requirements.

