

## LABORATORY SHEET FORMER RAPID KÖTHEN METHOD model RK-21



The RK-21 is an automatic sheet former used for the production of laboratory hand sheets in accordance to the Rapid Köthen method for measurement of the physical and/or optical properties of pulps.

This equipment became standard for the Q.C. (quality control) and for R&D (research and development) due to its sturdiness, precision, reliability and high degree of repeatability.



### MAJOR TECHNICAL CHARACTERISTICS

Produces circular hand sheets	315 cm <sup>2</sup> /Ø 200 mm
Plexiglas stock container	10 L
Pneumatic vacuum generator	96 kPa
Hot water circuit for dryers (closed loop)	95°C
Cold water circuit for dryers (closed loop)	20°C

PLC controlled the RK-21 offers an easy interface to user. Its dialog messages and optic and audible alarms ensure fast, safe and reliable operation. Multi-function hydraulic circuit for the stock container fills and drains dilution at high speed, with the choice of operating with open loop according to technical standards or with closed loop, whereas user can heat white water up to 60°C using built-in heating system to simulate in the laboratory the real sheet making conditions present on paper machines.

Pneumatic mixer, with integrated pressure regulator, in the stock container base ensures perfect mixing of the pulp suspension and homogeneity of sheets. Two standard dryers enables production of up to 24 dry sheets per hour.

An elegant design combines a large polished stainless steel operating table, a welded steel structure and resistant plastic cover panels. All parts in contact with water and pulp are made of corrosion resistant materials.

**Optional accessories:** · Standard board carrier - Ø 240 mm, 250 g/m<sup>2</sup> · Wire tensioning device for the easy exchange of sheet forming screen gauze · Interchangeable 100 cm<sup>2</sup> square stock container

**Applicable standards:** · ISO 5269/2

Power supply	220 VCA, single phase, 60 Hz, 6000 W
Air connection	6 bar instrument quality / 0,1 m <sup>3</sup> /h
Water connection	3 bar / 0,5 m <sup>3</sup> /h
Drain connection	Required
Dimensions	(1800 x 800 x 1600) mm (W x L x H)
Weight	470 kg

Note: due to constant development our equipment design and specifications are subject to change without notice.

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