



INTELLIGENT
YARN PROCESSING

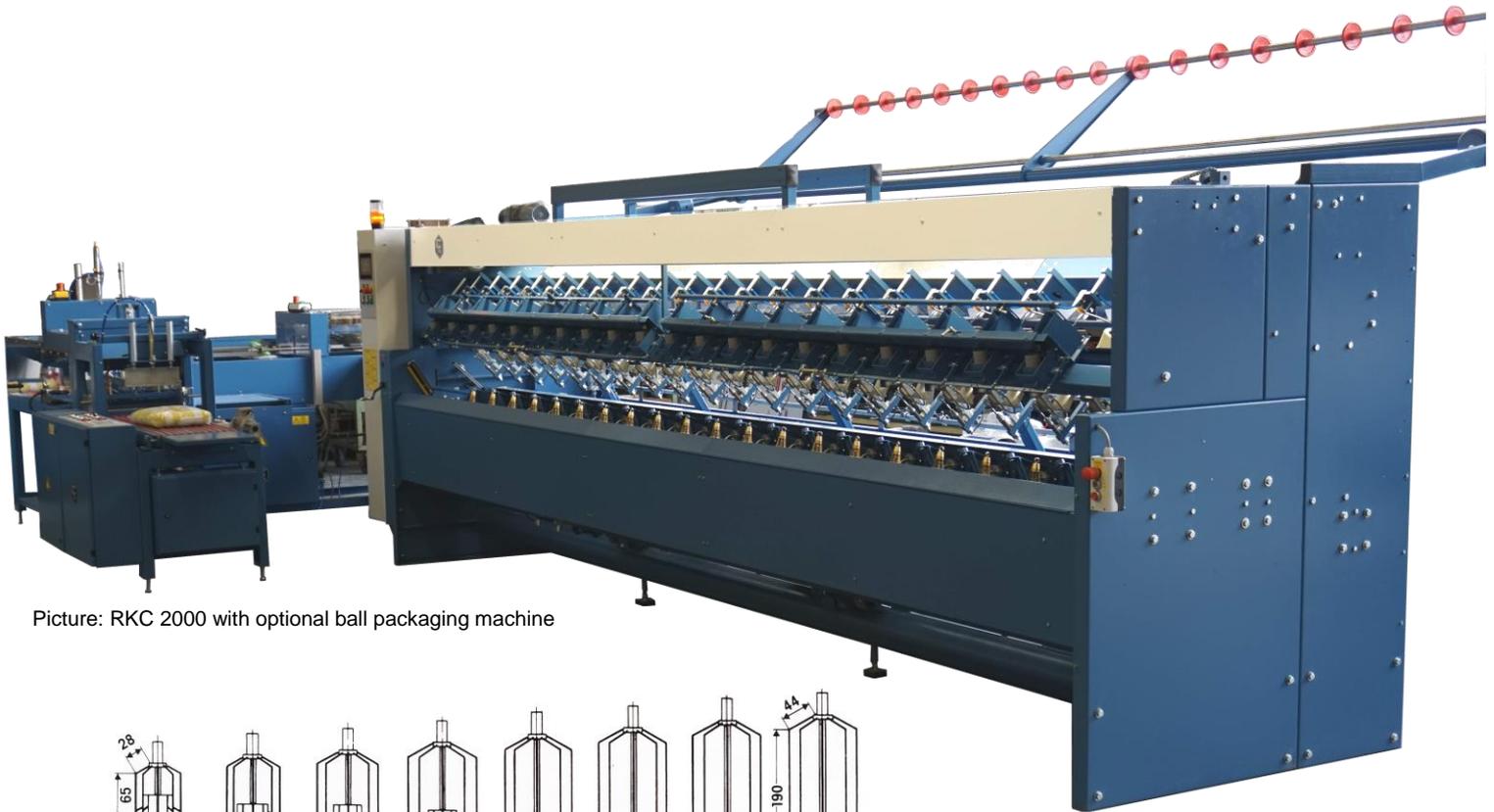


SOLUTIONS

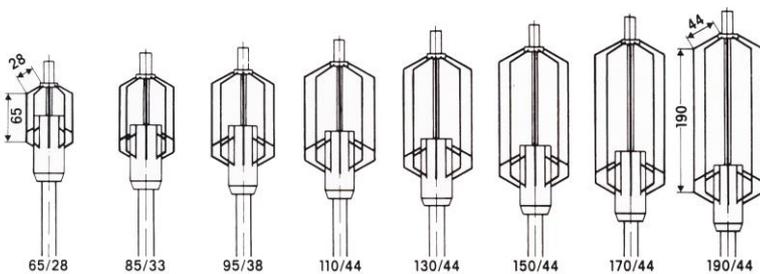


Fully-automatic balling machine

RKC 1600 / 2000



Picture: RKC 2000 with optional ball packaging machine

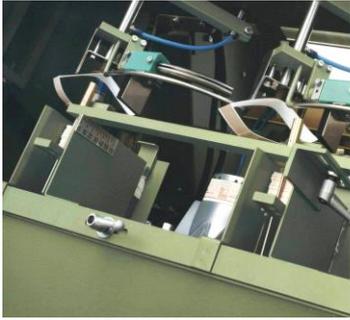


www.croon-lucke.com

C+L TEXTILMASCHINEN GmbH, Flachsstrasse 14, D-88512 Mengen / Germany
Tel.: +49 (0)7572 601-0, Fax: +49 (0)7572 601-25 info@croon-lucke.de www.croon-lucke.com

Fully-automatic balling machine RKC 1600 / RKC 2000

with automatic winding programme and inverter controlled servo drive of winding mandrels



Pre-manufactured bands taken from a band magazine and placed onto the banding devices



Automatic banding & doffing process



Operation touch screen



Servo drive for mandrels



Automatic scissors



Easy removal of band magazine unit (with fork lift or crane)

TECHNICAL SPECIFICATIONS:

- available with 16 or 20 winding positions
- for balls from 25 to 170 g, depending on yarn count, heavier ball weights subject to trials
- inverter controlled servo drive of winding mandrels (max. 190 mm) and according winding flyers
- set-up with touch panel (no mechanical set-up needed):
 - winding length
 - winding speed
 - mandrel beam position
 - mandrel beam speed
 - crossing ratio
 - doffer / band position
 - ball holder position
- 10 different winding layers programmable with individual set-up of winding length and speed, mandrel beam position and speed plus crossing ratio for each layer
- all crossing ratios from 1:1,00000 up to 1:999,99999
- easy change of mandrels, no tools needed
- no hydraulic drive system used for less maintenance

Control system with

- color touch screen for easy set-up of all winding parameters
- machine error messages in clear text on touch panel
- data saving in case of power failure
- data backup of winding programmes with USB connection

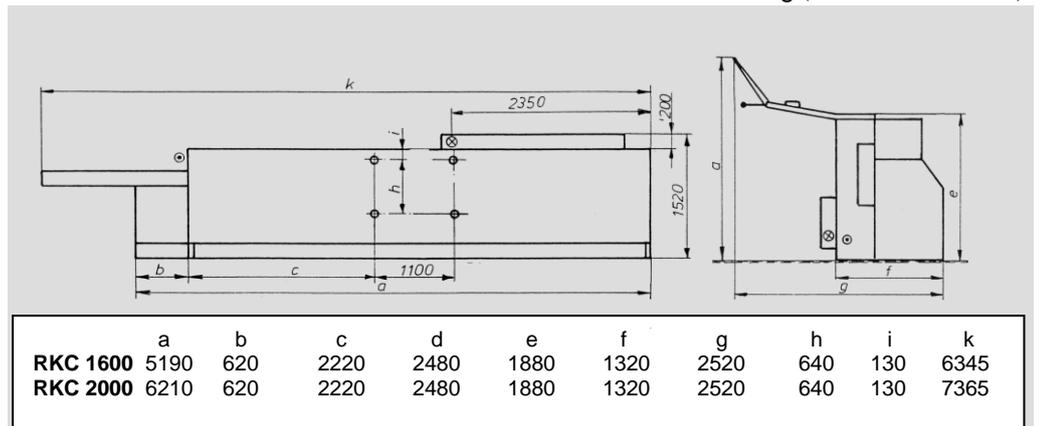
Standard equipment:

- yarn breaking control
- automatic yarn cutting at cycle end
- automatic, tool-less initial threading
- parallel winding
- pneumatic threading with air valves
- automatic thread brake
- flyer monitoring to avoid damage on flyers and mandrels
- cup conveyor belt
- automatic banding and doffing device can be switched-off for the winding of flat balls or balls on carton tubes
- band magazine unit can be demounted from superstructure to work comfortably on semi-automatic mode to wind flat balls and carton core balls.

Options:

- thread end inserted in the ball by mechanical hook, no vacuum or mandrel crown necessary (suitable also for crochet or fantasy yarns and angora)
- material supply tension control
- inline automatic packaging line to pack balls in one or two levels in pre-manufactured plastic bags
- fabric mandrel cover

Dimensional drawing (measurements in mm)



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Subject to technical modifications without notice