

JBF

Maschinen GmbH

INTELLIGENT
YARN PROCESSING



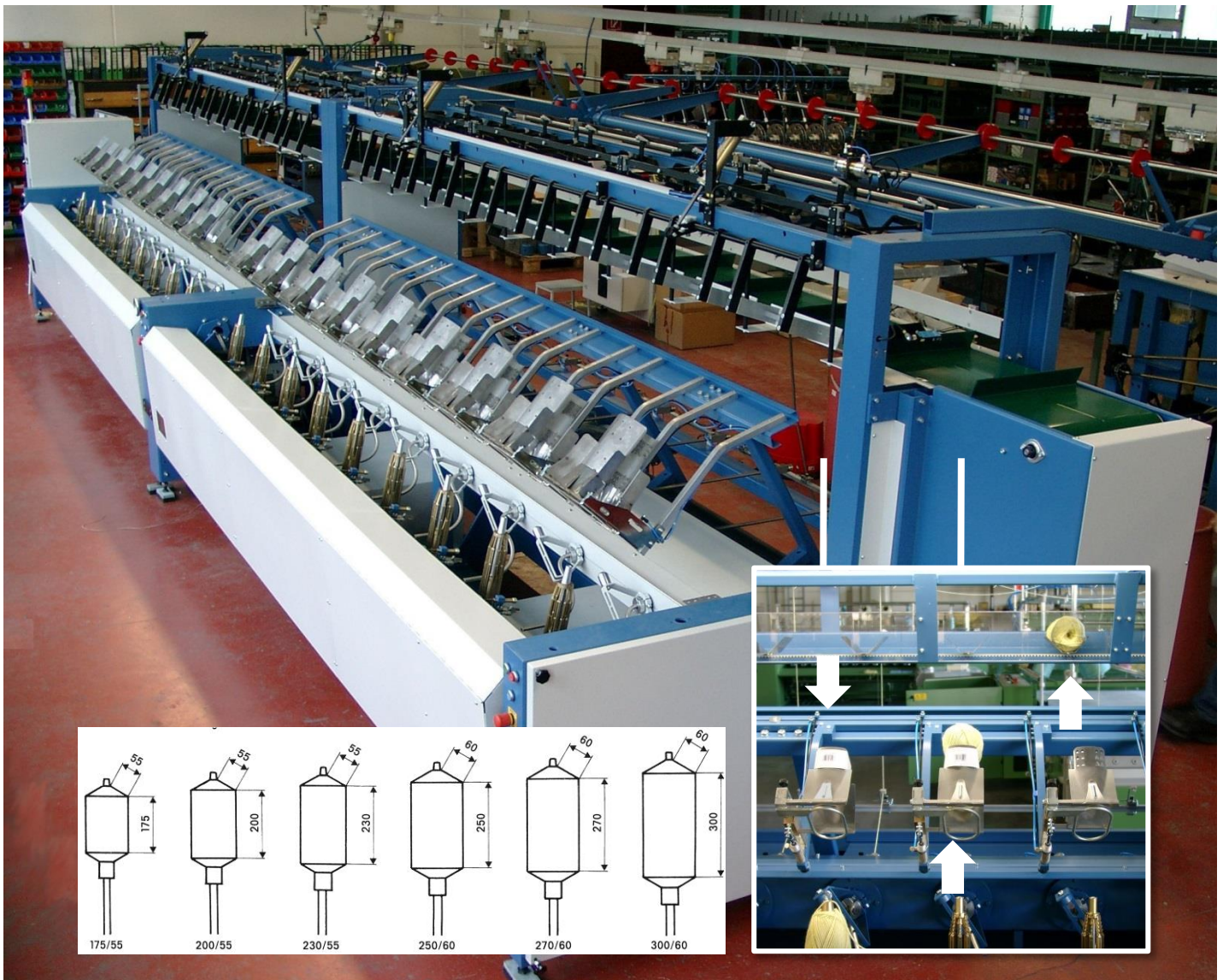
SOLUTIONS



Automatic balling machine for giant balls :

KAG 180

with 18 winding positions



KAG 180:

with automatic winding programme and semi-automatic banding and doffing



Operation panel with color touch screen



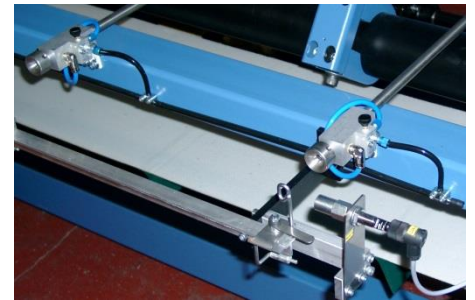
KAG 180: Banding / doffing devices



Automatic scissors



Servo drive for mandrels



KAG 180: Air threading and stop motion device

TECHNICAL SPECIFICATIONS:

- KAG: 18 positions, KG: 8 positions
- For balls up to 500 g, depending on yarn count, heavier ball weights subject to trials
- Mandrel sizes up to 300/60 mm
- Winding mandrels driven by brushless servomotor
- 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
- Mandrel and flyer sizes etc. can be stored and shown on the touch panel for easy product set-up
- Central winding flyer symmetry adjustment
- Manual banding/doffing mode for production of cardboard tube balls with/without band, plus parallel winding and for lea balls
- Easy change of mandrels, no tools needed
- Easy maintenance by easy accessibility of the technical components
- No hydraulic drive system used for less maintenance

CONTROL SYSTEM with

- Colour touch screen for easy set-up of all winding parameters
- Fault messages in clear text plus description of problem
- In case of power failure, actual / nominal data saving to finish actual winding cycle after power restart
- Data backup of winding programmes with USB connection

Standard equipment:

- Automatic yarn cutting at cycle end (KAG only)
- Air threading, no air gun needed (KAG only)
- Parallel and lea ball winding
- Yarn break control system
- Flyer area control by light curtain to avoid damage on flyers and mandrels
- Sort out device of unbanded balls (KAG only)

Options:

- Material supply creel
- Electronic yarn break control
- Individual yarn break control per winding position with online data transfer to automatic packaging device to separate short-length balls (KAG only)
- Thread end inserted into the ball by mechanical hook, no vacuum or mandrel crown necessary (suitable also for crochet or fantasy yarns and angora)
- Fabric mandrel covers
- Connection to automatic ball packaging or sealing machines

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