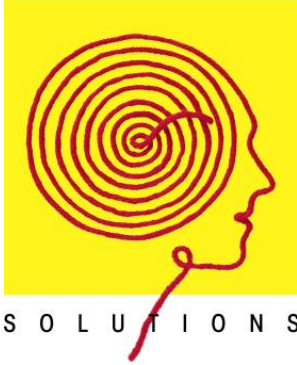


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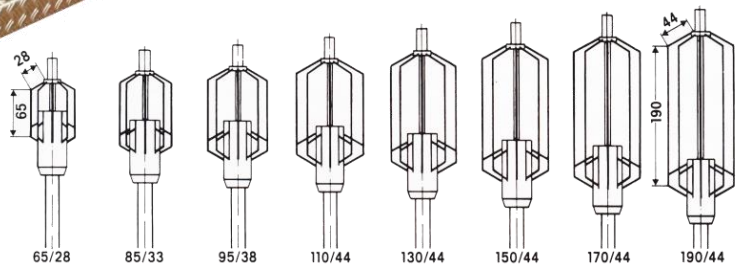
INTELLIGENT  
YARN PROCESSING



*Fully-automatic balling machine*

# KW 800

*with automatic winding programme and inverter controlled servo drive*





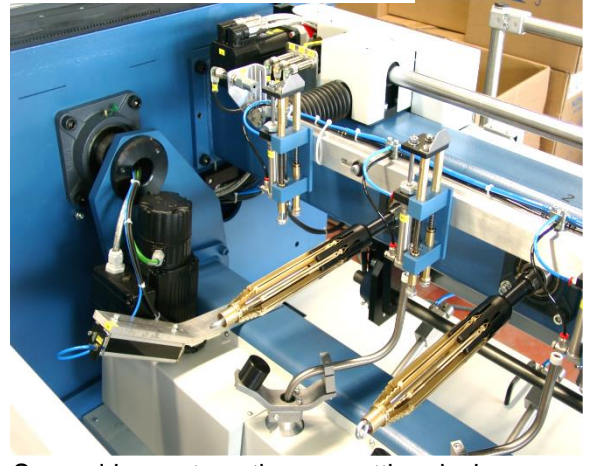
# Fully-automatic balling machine **KW 800**



Color touch panel



Winding mandrels and flyers



Servo drive, automatic yarn cutting device



Automatic winding with doffing device and optional cup conveyor belt

## 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 (available mandrel sizes from 65/28 mm up to 190/44 mm)
- thread end inserted into the ball by mechanical hook, no vacuum or mechanical mandrel crown necessary (suitable also for crochet or fantasy yarns and angora)
- set-up with touch panel (no mechanical set-up needed): winding length, winding speed, mandrel beam position, mandrel beam speed, crossing ratio
- 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
- easy change of mandrels, no tools needed
- easy maintenance by easy accessibility of the technical components
- no hydraulic drive system used for less maintenance efforts

## Standard equipment:

- flyer area control by light curtain to avoid damage on flyers and mandrels
- material supply creel
- yarn break control system
- automatic yarn cutting at cycle end
- automatic threading, no air gun needed
- automatic thread brake
- air threading

## Control system with

- colour touch screen for easy set-up of all winding parameters
- recipe storage for up to 300 winding recipes
- 4 individual cycle counters (cycles + winding time)
- fault messages in clear text plus description of problem
- in case of power failure, actual and nominal data saving to finish actual winding cycle after power restart
- data backup of winding programmes with Ethernet connection

## Options:

- cup conveyor belt to banding machine BAG
- automatic banding machine BAG
- individual yarn breaking control per winding position with online data transfer to automatic packaging machine to separate short-length balls with blow-out device
- inline automatic packaging line to pack balls in one or two levels in pre-manufactured plastic bags
- fabric mandrel cover

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Dimensional drawing (measurements in mm)

