



INTELLIGENT
YARN PROCESSING



All-round reeling machine

HB 500



Picture:
HB 500 with automatic
leaving device CLT (option)

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

The **Reeling Machine HB 500** sets the benchmarks for the reeling of fine, medium and coarse yarns.

Standard features:

- Electronic Traverse Motion
- two separately driven swifts of 5, 4 or 2,5 m length
- 3 standard variable swift circumferences:
 - Size 1: 1.350 – 1.524 mm with max. 500 rpm
 - Size 2: 1.500 – 1.905 mm with max. 500 rpm
 - Size 3: 1.800 – 2.337 mm with max. 400 rpm
 - other variable and fix circumferences on request
- automatic opening and closing of end-door and levelling of swift for hank doffing
- no middle swift support but with pneumatic swift end lift for smooth swift movement when automatic opening and closing the door.
- stop motion device with photo cells
- no hydraulic system in the machine
- control system with color touch screen* for easy set-up of all reeling parameters
 - hank shapes: rectangular, trapezoidal, cop-built and lea-hank
 - crossing ratio steplessly adjustable
 - 29 diamond crossing can be pre-set
 - fault messages in clear text
 - in case of power failure: traverse keeps moving to keep the crossing until standstill of swifts – all actual and set data will be saved*
 - incl. recipe storage for approx. 2 x 100 reeling programmes*

Standard version:

- max. speed 500 rpm (with swift length 5000 mm)
- hank widths 80 – 560 mm
- reeling positions 2 x 8 up to 2 x 164

Version prepared for the equipment with CLT Automatic Leasing Device (optional):

Differences from standard version:

- hank widths standard: 80 – 380 mm
special version: 150 – 450 mm
- reeling positions standard version: 2 x 12 up to 2 x 41
special version: 2 x 10 up to 2 x 26
- special reinforced superstructure to safely carry two CLT robots

Options:

- creels in the superstructure of the machine (without magazine creeling)
- side creels for magazine creeling
- electronic stop motion device
- automatic leasing device CLT (only for accordingly prepared reeling machine)
- pneumatic yarn threading from creel to reeling machine
- yarn tension control device
- set-up of different swift circumferences on control panel*
- max. speed 750 rpm (with swift length 4000 mm and fix swift circumference)

* Not available for reeling machines with CLT device



Operation panel with color touch screen*

MACH.2	RECIPETABLE	2	HOME	MACH.2
V V V	RECIP	RECIPE	RECIPE	RECIP
SWIFT TURNS:	23456	DIST.LEAHANK:	0,0	
SWIFT SPEED:	250	NUMB.LEAHANK:	0	
WIDTH START:	251,0	0-POINT-MOVE:	10,0	
WIDTH END:	201,0	START POINT:	60,0	
PINEAPPLE:	0	STOP POINT:	50,0	
GEARRATIO:	0,1234000	TENS.RELEASE:	0	
DIA.PATTERN:	0	PRELEN.TURNS:	0	
TURN MODE:	0	PRELENG.MIN:	0	
SIDERUNANCE:	0,0	MOTC.STARTUP:	5000	
BASE TURNS:	0	MOTCO.FILTER:	0	
COVER TURNS:	0			



Diamond crossing



Electronic stop motion (option)



Ceramic yarn guides



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Dimensional drawing
(measurements in mm)

