

## Technical Data CMS 502 HP

Knitting Unit	
Carriages / knitting systems	1 x 2
Combined knitting-transfer systems with split function [01]	2
Electronic wear-free selection systems with 2 selection points	6
Dynamic tension setting setting with step motors; extremely quick adjustments of stitch tension with PTS (Power Tension Setting)	●
Drive / Racking	
Main drive: programmable speed; variable stroke; Power-RCR-System (Rapid-Carriage-Return); flexible speed adjustment using starting bar; CFC-protection system (Carriage Force Control)	●
Max. knitting speed (m/s) [02]	1,2
Racking course max 4"; programmable racking speed	●
Needle bed	
Nominal width / max. working width, in inches (cm)	45 (114)
Gauges	E 5   7   10   12   14   16   18
Gauge conversion [03]	E 5 – 7   E 10 – 18
Knockover bits	●
Movable holding-down jacks on both needle beds	●
Pelerine spring-transfer needle with spring-loaded latch	●
Needle detector	●
Needle exchange	○ [04]
8 thread clamping and cutting device, left   right	-   8 [05]
Illuminated working space	●
Shock Stopp motion, front   rear	●   ●
Yarn guide	
Yarn control units	14   12 [06]
8 active thread clamps, left   right	-   ●
Lateral yarn tensioners with scale, left   right	8   12
Lateral thread break, left   right	-   8
Thread deflectors for optimum yarn guidance, left   right	●   ●
Yarn carrier rail   yarn carrier	4   8
Plating kit consisting of plating yarn carrier and bobbin holder	○
Yarn feed unit	
Friction feed wheel, 8 tracks, left   right	○   ●
ASCON®, automatic stitch control, 8 measurement points, left   right [07]	○   ○
Fabric take-down system	
Main take-down	●
Upper take-down	○
Take-down comb	●
Control system / Data processing	
Memory ( main computer)	256 MB
Stoll-touchcontrol®: colour display with touchscreen 800 x 600 Pixel	●
1 USB port; hard-drive; Online via Ethernet	●
Batterie back-up: correct continuation of the knitting process after power failure	●
Safety device	
Fully enclosed working area	●
Machine complies with EC-regulations (CE-mark)	●
Machine status lamp	●
Dimensions / Weights	
Length: unpacked   in the case   on pallet, approx. in mm	2370   2644   2644
Width: unpacked   in the case   on pallet, approx. in mm	909   1140   1102
Height: unpacked   in the case   on pallet, approx. in mm	2050   1900   1800
Weight: net   gross with case   gross with pallet, approx. in kg	1028   1458   1148
Connection value, depending on operating status (kW) [07]	1,7

- Standard equipment
- Optional equipment

[01] All systems are fully independent. Knitting with the three-way technique, or simultaneous transfer to the front and rear.

[02] Depends on yarn and pattern structure.

[03] Conversion also possible to CMS 502 HP multi gauge

[04] On request

[05] Optional with 1x16 clamping and cutting points on the right.

[06] For gauge E 5 – 8 | E 10 and higher

[07] System for measuring and regulating the stitch length.

We reserve the right to make technical changes as our products are continuously undergoing further development. All data valid at time of printing 02/14-E.