

## 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 [02]	1,2
Racking: 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	E 5 – 18
Fixed knockover bits	●
Movable holding-down jacks on both needle beds	●
Pelerine spring-transfer needle with spring-loaded latch	●
Needle detector	●
Needle exchange [03]	○
Thread clamping and cutting device with individual clamping and cutting points, on the right hand side [04]	8
Illuminated working space	●
Shock Stopp motion, front / rear	●   ●
Yarn guide	
Yarn control units	16   14   12 [05]
8 active thread clamp left / right	●   ●
Lateral yarn tensioners with scale and following permanent thread brake, left / right	8   12
Thread deflectors for optimum yarn guidance, left /right	●   ●
Yarn feeder rail / yarn feeder	4   8
Plating kit consisting of plating yarn feeder and bobbin holder	○
Yarn feed unit	
Friction feed wheel, 8 tracks, left / right	○   ●
ASCONE®, automatic stitch control, 8 measurement points, left right [06]	○   ○
Fabric take-down system	
Main take-down	●
Upper take-down	○
Take-down comb for start of fabric on empty needles	●
Control system / Data processing	
Memory ( main computer)	256 MB
Stoll-touchcontrol®: moveable display slide with touchscreen; colour display 800 x 600 Pixel	●
2 USB ports; 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-Zeichen)	●
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   1150   1102
Height: unpacked   in the case   on pallet, approx. in mm	2050   1938   1720
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] With needle gauge:

- Machine gauge E 5 ○ 4 | ● 5
- Machine gauge E 7 ○ 5 | ● 7 | ○ 8
- Machine gauge E 10 ● 10 | ○ 12
- Machine gauge E 12 ○ 10 | ● 12
- Machine gauge E 14 ● 14
- Machine gauge E 16 ● 16
- Machine gauge E 18 ● 18

Conversion also possible from CMS 502 HP to a CMS 502 HP multi gauge and vice versa.

[04] Optional with 1x16 clamping and cutting points.

[05] For gauge E 5 | 7+8 | 10 and higher

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

[07] The electric power consumption during knitting depends always on the gauge and working conditions and will be considerably lower than the connection value indicated.

We reserve the right to make technical changes as our products are continuously undergoing further development. All data valid at time of printing 01/12-E.