STOLL
THE RIGHT WAY TO KNIT

CMS 922
CMS 933
CMS 922
CMS 933



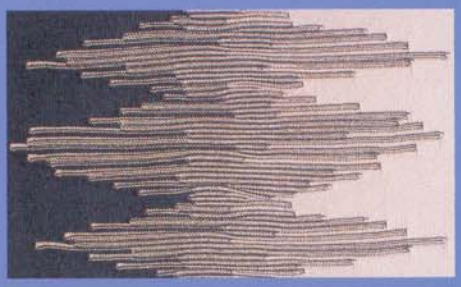
TOP CLASS

MASSES OF STITCHES

TOP CLASS

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WHEN IT'S A MATTER OF PRODUCTIVITY, YOU HAVE TO BE ABLE TO DEPEND ON THE TECHNOLOGY USED: WELCOME TO STOLL.

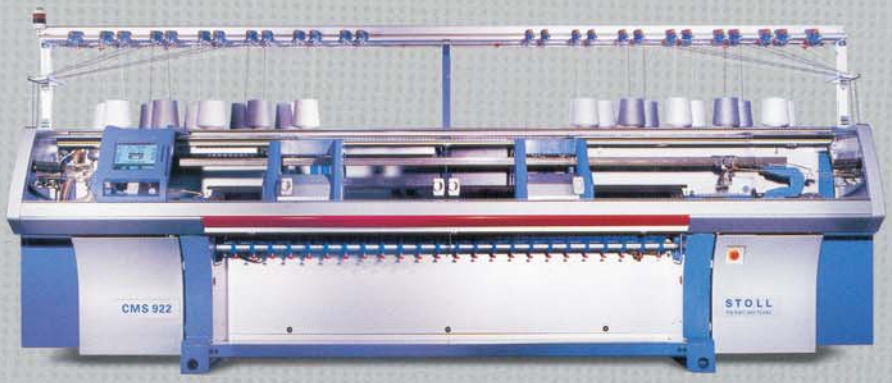


Intarsia pattern with transfer structures.



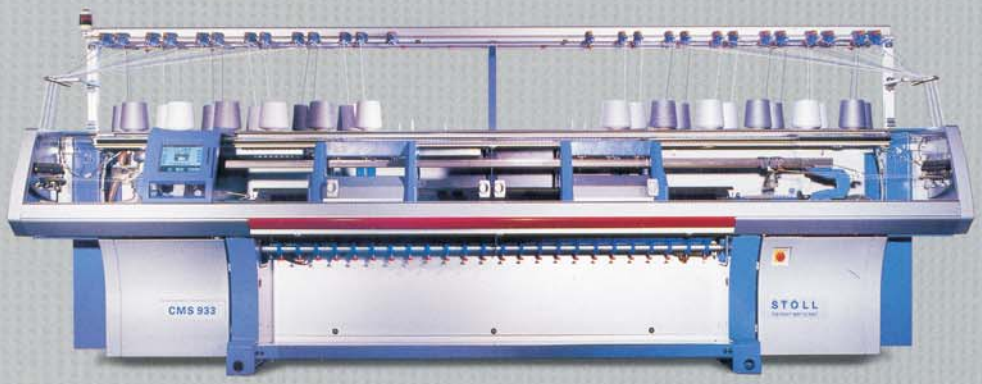
Jersey rib-structure pattern in gore technique.





CMS 922

The big one with 4 systems – With the tandem machine CMS 922 you economically knit two Fully Fashion or accessory pieces simultaneously with a working width of 2 x 46"/117 cm. And with a working width of 96"/244 cm, it meets all size requirements.



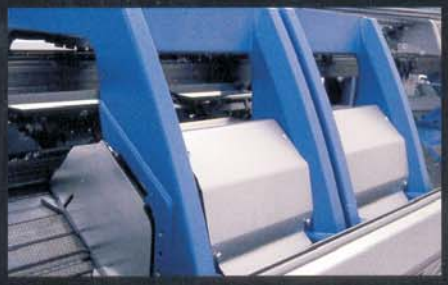
CMS 933

Our most productive one with 6 systems – With a working width of 96"/244 cm or 2 x 46"/117 cm and 2 x 3 systems, the CMS 933 is the most productive of the CMS machines. Gauges from E 5 to E 18 give you all the freedom you need for your production.



Yarn feed

The active yarn clamp unit, slack tensioner and permanent thread brake ensures an optimum interaction of yarn and needle – even at maximum loads.



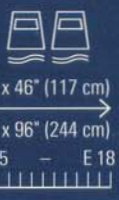
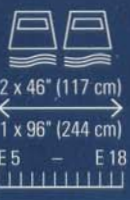
Coupling/uncoupling

Flexible production by quick coupling or uncoupling of carriages.



Intarsia yarn feeders

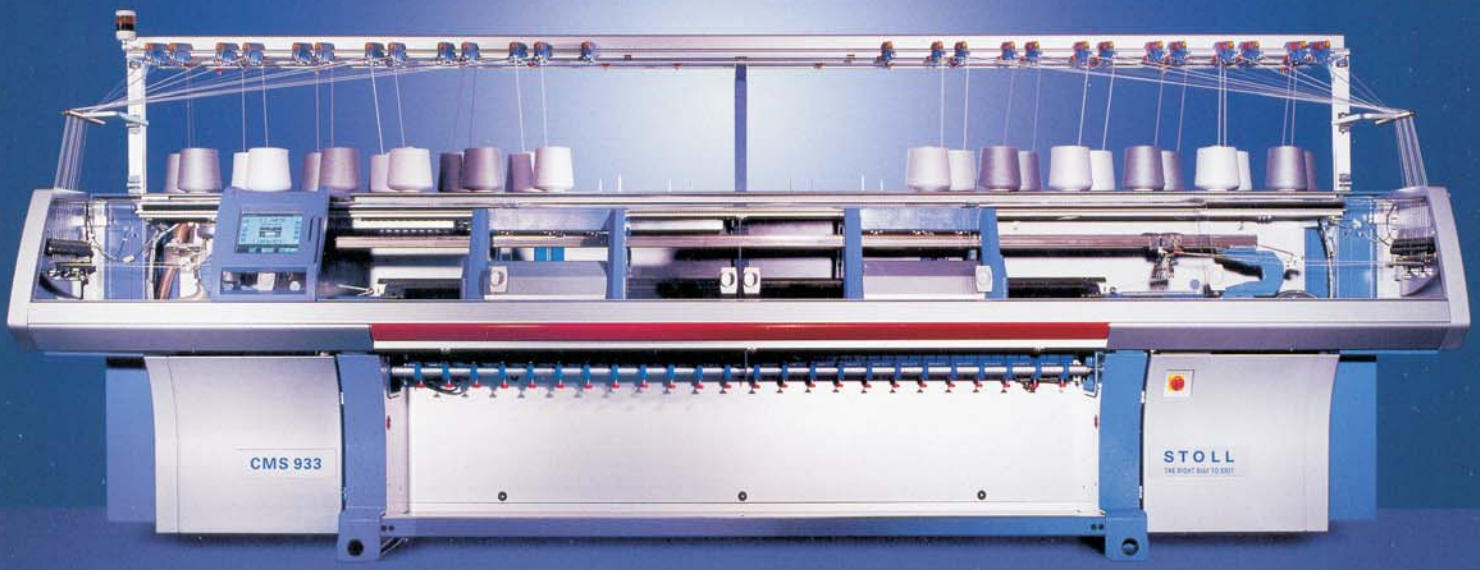
By simply sliding on the intarsia yarn feeders, any CMS machine immediately becomes a perfect intarsia machine.

	CMS 922	CMS 933
		
Knitting Unit		
Carriages | knitting systems	2 x 2	2 x 3
Combined knitting-transfer systems with split function [01]	4	6
Electronic wear-free selection systems with 2 selection points	12	16
Dynamic tension 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	1,2
Racking course max. 4", programmable racking speed	●	●
Needle bed		
Nominal width | max. working width, in inches (cm) in tandem version max. inches (cm)	96 (244) 2 x 46 (117)	96 (244) 2 x 46 (117)
Gauges [03]	E 5 – 18	E 5 – 18
Gauge conversion	E 5 – 18 [04]	E 5 – 18 [05]
Fixed knockover bits	●	●
Moveable holding-down sinkers on both needle beds	●	●
Pelerine spring-transfer needle with spring-loaded latch	●	●
Needle detector	●	●
Needle exchange [06]	●	●
Illuminated working space and fabric collection chamber	●	●
Shock stop motion, front | rear	● | ●	● | ●
Yarn guide		
Yarn control units [07]	32 | 26 | 22	36 | 30 | 26
Active thread clamp left | right	● | ●	● | ●
Lateral yarn tensioners with scale and following permanent thread brake, on each side	16	16
Thread deflectors for optimum yarn guidance	●	●
Yarn feeder rail | yarn feeder	4 | 16	4 | 16
Intarsia yarn feeder	○	○
Plating yarn feeder	○	○
Plush device	○	○
Additional holders for bobbins [08]	● | ○ (2 x 7)	● | ○ (2 x 7)
2 bobbin boards for up to 5 bobbins, mounted to the rear side of the machine	○	○
Yarn feed unit		
Friction feed wheel, 8 tracks each left | right	○ | ○	○ | ○
Storage feed wheel, max. 2 x 4 [09]	○	○
STIXX – Stitch Calibration System, 8 measurement points on the right [10]	○	○
Fabric take-down system		
Main take-down: Wrap take-down, adjustable individual roller segments	●	●
Upper take-down	●	●
Control system | Data processing		
Memory (main computer)	128 MB	128 MB
Stoll-touchcontrol®: moveable display slide with touchscreen; colour display 800 x 600 pixels	●	●
2 USB ports; hard-drive; Online via Ethernet	●	●
Battery back-up: correct continuation of the knitting process after power failure	●	●
Safety devices		
Fully enclosed working area	●	●
Machine complies with EC-regulations (CE-mark)	●	●
Machine status lamp	●	●
Cleaning device		
Suction device with turbine; with cleaning brush on suction tube	●	●
Dimensions | Weights		
Length: unpacked | in the case | on pallet, approx. in mm	4560 | 4900 | 4900	5100 | 5460 | 5460
Width: unpacked | in the case | on pallet, approx. in mm	1062 | 1468 | 1420	1062 | 1468 | 1420
Height: unpacked | in the case | on pallet, approx. in mm	2050 | 2088 | 1810	2050 | 2088 | 1810
Weight: net | gross with case | gross with pallet, approx. in kg	1960 | 2860 | 2280	2060 | 3190 | 2540
Connection value, depending on operating status (kW)	2 – 3	2 – 3

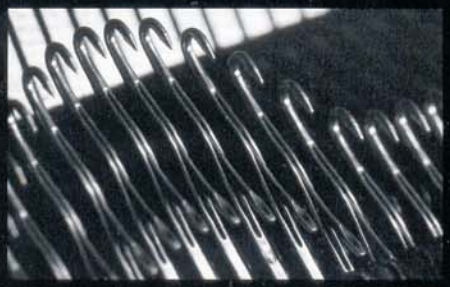
● Standard equipment
○ Special equipment

[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] Gauges E 5 | 7 | 8 | 10 | 12 | 14 | 16 | 18
[04] Conversion possible to CMS 922 multi gauge
[05] Conversion possible to CMS 933 multi gauge
[06] With needle gauge
Machine gauge E 5 ○ 4 | ● 5
Machine gauge E 7 ○ 5 | ● 7 | ○ 8
Machine gauge E 8 ○ 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
[07] For gauges E 5 | 7 + 8 | 10 and higher
[08] For gauges E 5 | 7 and higher
[09] Requires transformer, not in combination with STIXX.
[10] System for measuring and regulating the stitch length.

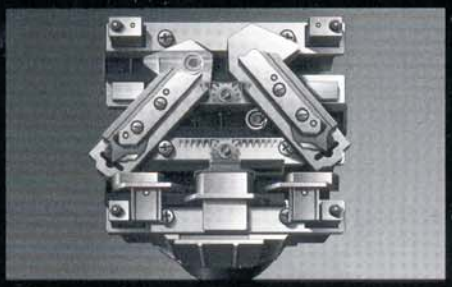
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Whether it's Fully Fashion or cut and sew – the Stoll-tandem machines of the Top Class will convince you with their productivity. With 4 or 6 fully-fledged knitting/transfer systems that's hardly surprising. And with a working width of 96"/244 cm or 2 x 46"/117 cm – it hardly gets any bigger than that! A further advantage: thanks to the short set-up and equipping times, the CMS 922 and CMS 933 are totally flexible. One minute they're knitting Fully Fashion or accessories in the tandem mode, and the next it's cut and sew fabrics with coupled carriages. Fast coupling and uncoupling make it possible and ensures the greatest possible utilization of your machine pool. Like all CMS machines, these tandem machines are also prepared for intarsia knitting as standard. Just slide on intarsia yarn feeders and you can knit the most exceptional patterns extremely productively with a large number of knitting/transfer systems. And especially important for any knitter: every CMS offers many well thought-out detailed solutions. Simplest operation, ergonomic working conditions, economy and top fabric quality are the results.



CMS needle
The CMS needle is characterized by low needle consumption and a high level of safety during opening, closing, and transferring.



Stitch length control with Flexible Stitch and PTS
Several tensions in one stitch row, quickly adjustable with PTS (Power Tension Setting).



Moveable holding-down jacks
High-quality stitch appearances, provided by the proven Stoll holding-down technology.

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