

1 What Is New?

Operating system of the machine: V_CKC_001.001.000_STOLL

1.1 New machine gauges

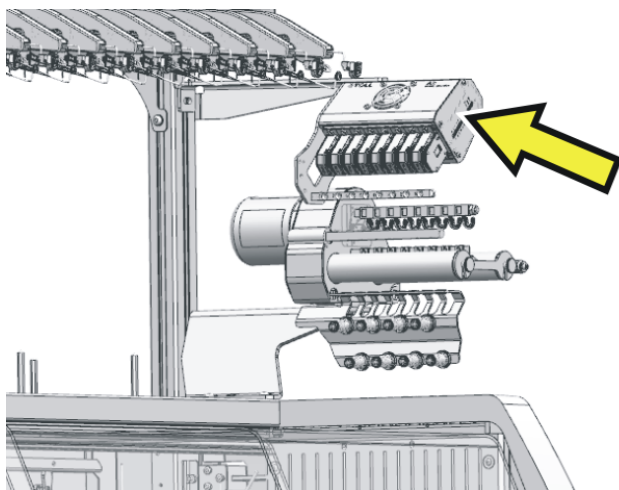
The BMS machine is now also available in the following gauges:

- E6.2
- E12m10
- E14m12

1.2 ASCON

The ASCON device can be used on the BMS machine.

The ASCON device is used to measure and control the yarn length that is processed on the knitting machine.



Knitting machine with ASCON device

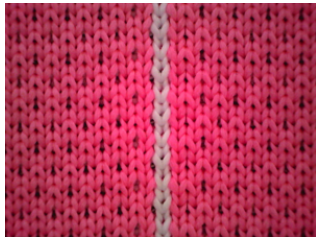

	ID
ASCON (at the right)	281 644
ASCON (at the left)	281 645

1.3 Improved carriage reversal

The carriage reversal has been improved. This reduces knitting time and increases the productivity of the machine.


1.4 Not Sunken Tuck

Each knitting system of the BMS machine can knit tuck or "not sunken tuck".

	Explanation
Knitting Technique	<p>Tuck: The tuck loop and the stitch will have the same stitch length (stitch tension).</p> 
	<p>"Not Sunken Tuck": The needle is not sunken, i.e. it is not pulled down to the loop sinking depth. Thereby, the tuck loop will be knitted tighter than stitch.</p> 
Notice	With "Not Sunken Tuck" the tuck will always be knitted of equal length. It is not possible to set a NP value for the tuck.

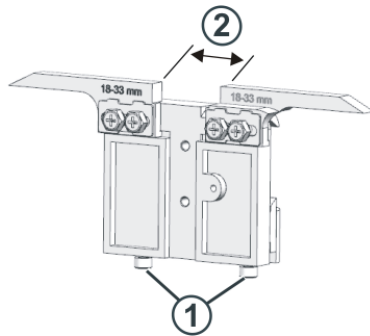
You need the following version on the pattern preparation unit in order to be able to select the needle action "Not Sunken Tuck":

- M1plus: V 7.3 (or higher)
- CREATE PLUS: V 2.0 (or higher)

 You will find further information in the online help for the pattern preparation unit.

1.5 New yarn carrier carriage

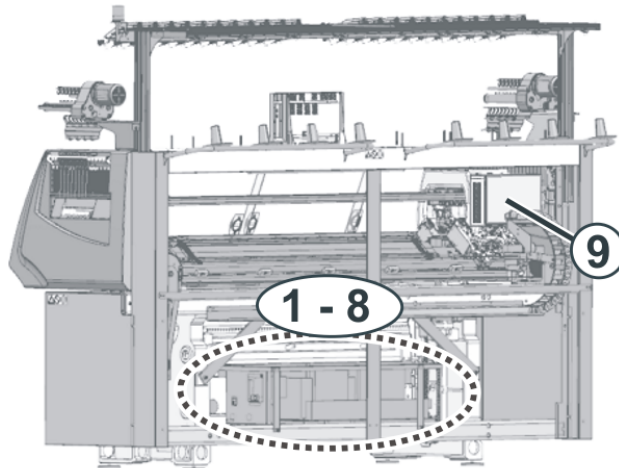
From October 2021, a new yarn carrier carriage will be used for the BMS machine.



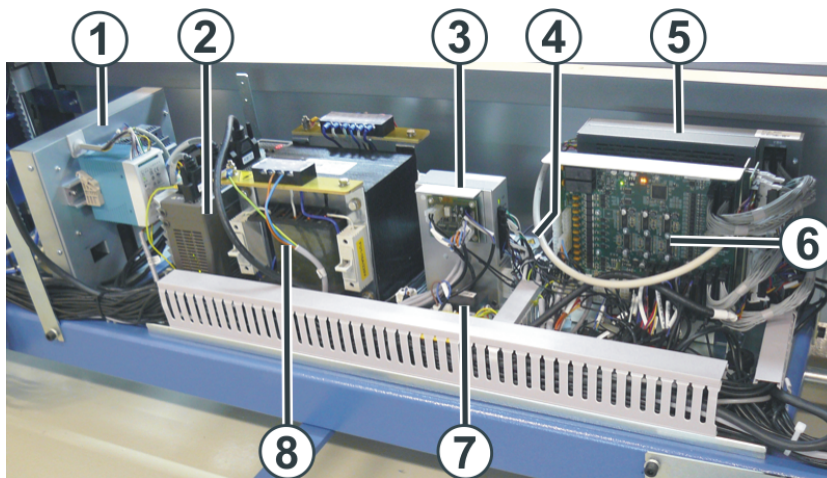
1	The guidance of the yarn carrier is easier to adjust. The screws (1) are located on the underside of the yarn carrier carriage.
2	The yarn carrier carriage can be used for knitting and plating. The engaging width (2) is individually adjustable.

1.6 Overview of the electronic control

The electronic control is located at the rear of the machine. The control unit (9) for the carriage is located on the rear of the carriage.



Rear side (without rear panel segments)



	Card	Function
1	279 025	CKC control
2	280 315	Drive and racking control unit
3	280 317	Fabric take-down card
4	280 318	Rectifier
5	280 319	Main computer
6	280 320	Input-, output-card
7	280 316	Relay card

	Card	Function
8	280 314	Transformer (Fuses)
9	279 683	<p>Control unit for the carriage It controls the needle selection, the yarn carriers, the switchable cams and the motors in the carriage (stitch length, cams).</p> 