Barudan embroidery machine settings that are affecting stitch counting at the Coloreel unit. These recommendations will improve CCP

Stitch counting is important to maintain a good Color Change Precision and to handle Thread breaks and Start at Stich in a good way. With correct settings you should expect an accuracy of 1-2 stitches in almost all cases.

- Recommendations for **Barudan BEXR-series**
- Recommendations for **Barudan BEKT-series**

Recommended machine settings in Bold reflects changes from Barudan default

Barudan BEXR-series			ITCU	
Menu position	Setting name	Recommended setting	Corresponding CCP setting in the ITCU	Comments
2	Trim Jumps	**3**	Jump convert: 3	Setting of how many consecutive jump stitches that will cause thread trimming and move the frame to next stitch
3	Return stitch	1	**Tie ins:** 4	Set number of Return stitch (machine added tie ins) at start of embroidery
6	Trim Type	1	**Tie stich length:** 0,4	Pantograph moves 0,4 mm to the left before the needle penetrates and the thread is trimmed
8	Trim Vector	**0**	**Tie offs:** 2	Only for machine with MK-6 trimming device
10	Jump Divide	127	-	If set to other level than 127, the embroidery machine will add main shaft revolutions that the ITCU do not account for. The recommended setting may cause overspeed for the ITCU! **Do not use stitches longer than 12,7 mm**
11	Stitch Back	4	**Thread break ties:** 0	Setting to perform Frame back automatically at thread breakage.
12	Overlap	0	-	Set how many times inching is performed when the operation starts again after stopping the machine during embroidery
19	T-Break	**5**	-	Set the sensitivity of detection when the thread breaks. Do not set too sensitive, it may cause false alarms

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Recommended machine settings in Bold reflects changes from Barudan default

Barudan BEKT-series			ITCU	
Menu position	Setting name	Recommended setting	CCP setting in the ITCU	Comments
MC1 -04	T-Break count	**5**	-	Set the sensitivity of detection when the thread breaks. Do not set too sensitive, it may cause false alarms
MC1 - 07	Stitch Back	**0**	**Thread break ties:** 0	Setting to perform Frame back automatically at thread breakage.
MC1 - 12	Trim Jumps	**3**	Jump convert: 3	Setting of how many consecutive jump stitches that will cause thread trimming and move the frame to next stitch
MC1 - 13	Jump Divide	127	-	If set to other level than 127, the embroidery machine will add main shaft revolutions that the ITCU do not account for. The recommended setting may cause overspeed for the ITCU! **Do not use stitches longer than 12,7 mm**
MC1 - 16	0 admit	0		Do not let the machine remove 0-length stitches
MC1 - 17	Combine Data	0		Do not let the machine change stitch lengths
MC2 - 07	Lock stitch	3	**Tie ins:** 4	Set number of Return stitch (machine added tie ins) at trim
MC2 - 09	Trim Type	1	**Tie stich length:** 0,4	Pantograph moves 0,4 mm to the left before the needle penetrates and the thread is trimmed
MC2 - 10	Trim dir	**2**	**Tie offs:** 2	Setting for pantograph movements after trims
MC2 - 11	Trim Vector	**0**		Setting for pantograph movements before trims
MC2 - 23	Trim mode	0		Type of trimming movements