

# Assignment

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Assignment

TE 213 (FS-212)

1. Difference between tricot and rachel warp knitting machine :

Tricot Knitting M/c	Rachel Knitting M/c
① The fabric is drawn away towards the batching rollers almost at right angles to the needle bar	① The fabric is drawn downwards from the needles almost parallel to the bar at an angle of $120^{\circ}$ - $160^{\circ}$
② The warp beams are accommodated in an inclined towards the back of the m/c there the top.	② The warp beams are arranged above the needle bar centered over the rocker shaft.
③ Mechanical attention is carried out at the front of the m/c.	③ Mechanical attention is carried out at the back of the m/c.
④ The guide bars are numbered from the back towards the front of the m/c.	④ The guide bars are numbered from front of the m/c.

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201-23-5766

⑤ In the past, bearded needle was used but now a day compound needle used.

⑤ Rachel m/c used latch needle together with a wire or blade.

⑥ m/c gauge expressed in needle per inch.

⑥ m/c gauge expressed in needle / 2 inch.

⑦ chain link numbering 0, 1, 2, 3, ... etc.

⑦ chain link numbering in even numbers 0, 24, ... etc.

8. Function of ringer is holding down, knocking and supporting the fabric.

8. Sinker performs the function of holding down the loop when the needle rise.

⑨ The warp sheets pass over the top of the guide bar to their tension.

⑨ The warp sheets pass down the guide bar.

3

201-23-5766

(10) High speed Production.

(10) Low speed Production.

(11) Three links per course.

(11) 2 links per course.

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8

201-23-5766

② Difference between flat bed and circular knitting machine?

Flat bed Knitting M/c	Circular Knitting M/c
① In flat bed knitting m/c needles are fixed on a straight plate.	① In circular knitting m/c needles are fixed on a cylinder in a circular shape.
② Flat knit fabric has a gauge of 2 to 10.	② Circular knit fabric has a gauge of 12 to 22.
③ Flat knit machine used latch needle.	③ Circular knit machine used bearded needle.
④ Flat knit is made with a machine that knits the fabric in sheets or flat.	④ Circular is made with a machine that knits the fabric in a continuous circular.

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201-23-5766

<p>⑤ Low speed production</p>	<p>⑤ High speed production.</p>
<p>6. This machine is used to knit ; T-shirt, sock</p>	<p>⑥ This machine is used to knit arm, band and sweaters.</p>
<p>⑦ The operation and supervision of the machine is simple.</p>	<p>⑦ The operation and supervision of the machine is hard.</p>
<p>8. Flat bed machine have much lower output.</p>	<p>8. circular machine have higher output.</p>