

MES COURSE MODULE
IN
TEXTILES - WINDING

- 1. Module Name** **Winder –Automatic winding machine**
- 2. Sector** Textiles - Winding
- 3. Code** WDG 701
- 4. Entry Qualification** Minimum 7th Standard and 14 years of age
- 5. Terminal Competency** After completion of the course, the trained person would be to feed cops for winding, cleaning of EYC with cotton buds, taking the yarn through tension devises, producing cones of correct weight and size, doffing the cones, putting labels to empty cones and covering the doffed cones.
- 6. Duration** 500 hours

7. Course content:

Practical Competencies	Under pinning Knowledge (Theory)
<ul style="list-style-type: none"> ➤ Understanding the winding machine and operating it. ➤ Feeding cops in the magazine and taking ends to the yarn trap. ➤ Practicing to wind correct weight of cones with correct size by maintaining correct tensions and setting the weight and length on the MIC. ➤ Attending the stuck drums by taking both the ends and re-putting it ➤ Using of safety gadgets like caps, masks, gloves and shoes. ➤ Always tying the sider’s bag and collecting the hard wastes in it. ➤ Mock drill for fire fighting and first aid. 	<ul style="list-style-type: none"> ➤ Details of Automatic winding machine ➤ Importance of automatic winding, the stop motions and the quality requirement ➤ Importance of maintaining uniform tension all the time. ➤ Knowledge of colour codification ➤ Knowledge of yarn count, cone weight, various types of knots and splices. ➤ Concepts of length measurements on winding. ➤ Precautions to be taken while working ➤ Importance of cleanliness and personal safety ➤ Importance of discipline at work ➤ Fire fighting and first aid ➤ Safety gadgets in a cotton factory

8. Tools and Equipment for a batch of 20 trainees

Description	Quantity
Automatic Winding machine	1
Nose masks, Shoes and caps	20 sets
Aprons with two waste collection pockets	20

1. Module Name	Yarn Packer –Carton Packing
2. Sector	Textiles – Winding - Packing
3. Code	WDG 702
4. Entry Qualification	Minimum 7th Standard and 14 years of age
5. Terminal Competency	After completion of the course, the trained person would be able to pack the cartons after weighing the cones, sorting them as light and heavy, adjusting the number of cones to get the standard weight, putting cones in polyethylene bags and tubes and stamping the cartons with required information.
6. Duration	400 hours

7. Course content

Practical Competencies	Under pinning Knowledge (Theory)
<ul style="list-style-type: none"> ➤ Understanding the packing requirements of the cones being packed, i.e. the cones per Carton, the number of plies and the carton dimension, total weight, markings to be made, covering of individual cones, putting separators, fixing discs in the cones, and covering the carton with cloth or not. ➤ Keeping the floor area clean. ➤ Wearing clean gloves, clean apron and head cover ➤ Checking the labels and markings inside the cones before starting the work of packing ➤ Weighing the required number of cones and adjust the cones to get the required weight ➤ Doing the packing work as required. ➤ Packing the cartons, marking the details and finally strapping as required ➤ Mock drill for fire fighting and first aid. 	<ul style="list-style-type: none"> ➤ Details of packing cones in Cartons, the mandatory markings. ➤ Importance of Packing and the mandatory requirements ➤ Importance of maintaining clean and good aesthetics of packing ➤ Knowledge of colour codification ➤ Concepts of length measured cones and the tolerance for the total weight per Carton ➤ Precautions to be taken while working ➤ Importance of cleanliness and personal safety ➤ Importance of discipline at work ➤ Fire fighting and first aid ➤ Safety gadgets in a cotton factory

8. Tools and Equipments for a batch of 20 trainees

Description	Quantity
Weighing scale 200 Kg capacity	1
Nose masks, gloves and caps	20 sets
Packing materials	As needed
Marking stencils, brushes, and stamping inks	As needed

1. Module Name	Fitter – Manual Winding
2. Sector	Textiles - Winding
3. Code	WDG 703
4. Entry Qualification	Minimum 7th Standard and 14 years of age
5. Terminal Competency	After completion of the course, the trained person would be able to look after all the maintenance activities including erecting, setting various parameters and attending breakdowns.
6. Duration	600 hours
7. Course content:	

Practical Competencies	Under pinning Knowledge (Theory)
<ul style="list-style-type: none"> ➤ Understanding the winding machine and operating it. ➤ Erection, levelling and setting of parts including cone holders, yarn clearer units, splicing and knotting units as required. ➤ Auditing the machine conditions ➤ Planning for spares and giving requisition. ➤ Using of safety gadgets like caps, masks, gloves and shoes. ➤ Maintaining records of maintenance. ➤ Mock drill for fire fighting and first aid. 	<ul style="list-style-type: none"> ➤ Details and Importance of winding machine, the mechanisms and standard maintenance practices ➤ Knowledge of yarn count, cone weight, various types of knots and splices. ➤ Keeping tools in correct places in cupboards or tool cabins ➤ Precautions to be taken while working ➤ Importance of cleanliness and personal safety ➤ Importance of discipline at work ➤ Fire fighting and first aid ➤ Safety gadgets in a cotton factory

8. Tools and Equipments for a batch of 20 trainees

Description	Quantity
Winding machine	1
Nose masks, Shoes and caps	20 sets
Aprons with two waste collection pockets	20
Maintenance tool kit specific for winding machines	20

1. Module Name	Fitter –Automatic Winding
2. Sector	Textiles - Winding
3. Code	WDG 704
4. Entry Qualification	Minimum 7th Standard and 14 years of age
5. Terminal Competency	After completion of the course, the trained person would be able to look after all the maintenance activities including erecting, maintenance of splicer and knotters, setting various parameters and attending breakdowns.
6. Duration	600 hours

7. Course content:

Practical Competencies	Under pinning Knowledge (Theory)
<ul style="list-style-type: none"> ➤ Understanding the winding machine and operating it. ➤ Erection, levelling and setting of parts including Knotter assembly, cone holders, Electronic yarn clearer units, MIC data feeding, Length setting for attending breaks, reversing of drums etc. ➤ Auditing the machine conditions ➤ Planning for spares and giving requisition. ➤ Using of safety gadgets like caps, masks, gloves and shoes. ➤ Maintaining records of maintenance. ➤ Mock drill for fire fighting and first aid. 	<ul style="list-style-type: none"> ➤ Details and Importance of automatic winding machine, knotters, splices, length counters, electronic yarn clearers stop motions, the quality requirements the mechanisms and standard maintenance practices ➤ Knowledge of yarn count, cone weight, Length tolerance, various types of knots and splices. ➤ Keeping tools in correct places in cupboards or tool cabins ➤ Precautions to be taken while working ➤ Importance of cleanliness and personal safety ➤ Importance of discipline at work ➤ Fire fighting and first aid ➤ Safety gadgets in a cotton factory

8. Tools and Equipments for a batch of 20 trainees

Description	Quantity
Automatic Winding machine	1
Nose masks, Shoes and caps	20 sets
Aprons with two waste collection pockets	20
Maintenance tool kit specific for winding machine in use	20 sets

