

Model Curriculum

Lasting Operator (Footwear)

SECTOR: LEATHER
SUB-SECTOR: FOOTWEAR
OCCUPATION: LASTING
REF ID: LSS/Q2701, V1.0
NSQF LEVEL: 4



Certificate

CURRICULUM COMPLIANCE TO QUALIFICATION PACK – NATIONAL OCCUPATIONAL STANDARDS

is hereby issued by the

LEATHER SECTOR SKILL COUNCIL

for the

MODEL CURRICULUM

Complying to National Occupational Standards of

Job Role/ Qualification Pack: 'Lasting Operator (Footwear)' QP No. 'LSS/Q2701 NSQF LEVEL 4'

Date of Issuance: April 9th, 2016

Valid up to*: April 10th, 2018

**Valid up to the next review date of the Qualification Pack*



Authorised Signatory
(Leather Sector Skill Council)

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Lasting Operator (Footwear)

CURRICULUM / SYLLABUS

This program is aimed at training candidates for the job of a “Lasting Operator (Footwear)”, in the “Leather” Sector/Industry and aims at building the following key competencies amongst the learner

Program Name	Lasting Operator (Footwear)		
Qualification Pack Name & Reference ID.	Lasting Operator (Footwear) LSS/Q2701, v 1.0		
Version No.	1.0	Version Update Date	16-06 – 2016
Pre-requisites to Training	Class V		
Training Outcomes	<p>After completing this programme, participants will be able to:</p> <ul style="list-style-type: none"> • Gain knowledge on overview of leather industry and generic skills: General instructions to importance of leather industry, general hazards in leather industry, basic health safety and hygiene precautions, generic skills to be followed in leather industry. • Perform pre-operational activities: Carry out the pre-operational checks required for lasting and follow standard procedure for the operations. • Learn and perform lasting operation: Carry out lasting operations appropriately. • Handle work area, tools and machines appropriately: Ensure correct handling of material, tools and machines, maintain clean and hazard free work area, proper usage of cleaning equipment, maintain correct usage of workplace tools and equipment. • Contribute to achieve quality product in lasting process: Ensure that lasting is done properly to go for next process, ensure quality checks and fault identification in lasting and maintain records and documents. • Become well versed with environment, health, safety & security at work: Well versed with health and safety measures in terms of personal safety and equipment safety relevant to lasting occupation. • Follow industrial regularity and organizational requirements: Carry out work in accordance with organizational guidelines and procedures, identify and report any possible deviation. 		

This course encompasses 5 out of 5 National Occupational Standards (NOS) of “Lasting Operator (Footwear)” Qualification Pack issued by “Leather Sector Skill Council”.

Sr. No.	Module	Key Learning Outcomes	Equipment Required
1	<p>Overview on Leather Industry and Generic Skills</p> <p>Theory Duration (hh:mm) 12:00</p> <p>Practical Duration (hh:mm) 10:00</p> <p>Corresponding NOS Code Core skills/ Generic skills and Professional skills collated from all the NOS of the QP</p>	<ul style="list-style-type: none"> • Explain the importance of leather industry • Describe leather manufacturing process • Explain general hazards or risk that can lead to accidents • Follow basic safety, health and hygiene measures • Wear and use PPE for safety • Carry out communication effectively with co-workers in writing as well as orally • Read the documents that are necessary for them to read to carry out operator's task 	<p>Chairs, Trainers desk and Computer, Student table, Projector, White projector screen, White board, Flip chart display stand, Safety Hazard signs, Newspaper, Stationery, PPE set</p>
2	<p>Carry out Lasting Operations Using Machine</p> <p>Theory Duration (hh:mm) 04:00</p> <p>Practical Duration (hh:mm) 80:00</p> <p>Corresponding NOS Code LSS/N2701</p>	<ul style="list-style-type: none"> • Describe tools and materials used in lasting operations • Identify hand tools and machines used in lasting operations • Prepare work area for lasting operations • Describe counter tightening, toe moulding, forepart lasting, seat lasting, side lasting, roughing, sole pressing, de-lasting operations • Perform counter tightening, toe moulding, forepart lasting, side lasting, seat lasting, roughing, sole pressing, de-lasting operations 	<p>Last, Upper, Tack hammer, PPE, Screwdriver, Lasting plier, Shoemaking pincher, Cutting nipper, Tack puller, Thickness measuring gauge, Leather shear, Scratch awl, Hex key, Spanner set, Knife, Last working mallet, Nails, Brush, PU adhesive, Toe cap, Foam, Counter tightening machine, Toe moulding machine, Forepart lasting machine, Seat and side lasting machine, Roughing m/c, Sole pressing machine, De-lasting machine, Blower, Cotton cloth, Iron, Shoe brush, Tape, Thread, Shank, Cork, Heel pad</p>

Assessable Outcome	Assessment Criteria	Total Mark	Out Of	Marks Allocation	
				Theory	Skills Practical
	PC21. Fix the vamp of the upper into the toe moulding machine		1	0	1
	PC22. Carryout the toe moulding operation by pressing the start button on the toe moulding machine		2	0	2
	PC23. Remove the upper from the toe moulding machine		1	0	1
	PC24. Select appropriate last according to the size of the upper		2	0	2
	PC25. Fix the upper on to the last		2	0	2
	PC26. Adjust the back height of the upper based on the mark on the last by pulling with pincher		1	0	1
	PC27. Fix the last in the machine for toe lasting operation		1	0	1
	PC28. Carryout toe lasting operation by pressing the start buttons of the machine with both hand and at the same time pressing the bottom start button of the machine with knee		12	10	2
	PC29. Remove the lasted upper from the machine		1	0	1
	PC30. Fix the toe lasted upper in the machine for seat lasting operation		1	0	1
	PC31. Carryout seat lasting operation by using the machine		2	0	2
	PC32. Remove the finished part from the machine		2	0	2
	PC33. Apply the adhesive on the insole and the inside of the upper		1	0	1
	PC34. Pull the sides of the upper and adjust it appropriately with pincher		2	0	2
	PC35. Hammer the sides of the upper to perform side lasting		1	0	1
	PC36. Ensure the condition of the grinding wheel or emery paper as per specification		1	0	1
	PC37. Operate the machine to roughen the finished part of the bottom portion of the lasted upper		1	0	1
	PC38. Ensure only a thin layer of the finished portion is roughed		1	0	1
	PC39. Ensure the edges of the lasted upper are roughed carefully		2	0	2
	PC40. Place the sole on the lasted upper to attach it temporarily		7	5	2
	PC41. Ensure the sole and the lasted upper is attached appropriately along the edges		2	0	2
	PC42. Place the temporary attached lasted upper and the sole into the		1	0	1

Assessable Outcome	Assessment Criteria	Total Mark	Out Of	Marks Allocation	
				Theory	Skills Practical
	PC12. Monitor the workplace and work processes for potential risks and threats		0.5	0	0.5
	PC13. Carry out periodic walk-through to keep work area free from hazards and obstructions, if assigned		0.5	0	0.5
	PC14. Report hazards and potential risks/ threats to supervisors or other authorized personnel		6	5	1
	PC15. Participate in mock drills/ evacuation procedures organized at the workplace		0.5	0	0.5
	PC16. Undertake first aid, fire-fighting and emergency response training, if asked to do so		1	0	1
	PC17. Take action based on instructions in the event of fire, emergencies or accidents		0.5	0	0.5
	PC18. Follow organization procedures for shutdown and evacuation when required		1	0	1
	Total		25	10	15
5. LSS/N8701: Comply with industry, regulatory and organizational requirements	PC1. Carry out work functions in accordance with legislation and regulations, organizational guidelines and procedures	25	10	5	5
	PC2. Seek and obtain clarifications on policies and procedures, from the supervisor or other authorized personnel		3	0	3
	PC3. Apply and follow these policies and procedures within the work practices		2	0	2
	PC4. Provide support to the supervisor and team members in enforcing these considerations		8	5	3
	PC5. Identify and report any possible deviation to these requirements		2	0	2
	Total		25	10	15
	Grand Total	250	250	100	150