







# AUTOMOTIVE PARTS PRODUCTION MACHINE OPERATOR



**ASSESSMENT PACKAGE** 

National Vocational Certificate Level 3

Version 1 - November, 2019





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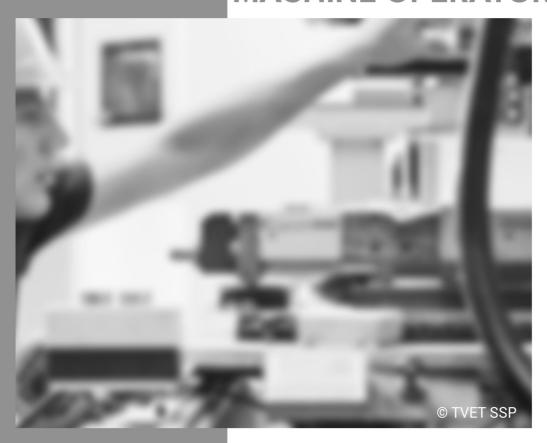
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**Document Version** November, 2019 **Islamabad, Pakistan** 

# AUTOMOTIVE PARTS PRODUCTION MACHINE OPERATOR



ASSESSMENT PACKAGE
National Vocational Certificate Level 3

Version 1 - November, 2019

Title of Qualification:	CS Code:	Level:	Version:	
National Vocational Certificate Level-3 in Automotive parts production machine operator		3	1	
Integrated Assessment for Automotive parts production machine operator Level-3:	Assessment Date (DD/MM/YY): 00/00/0000			
Develop plastic (Vacuum) and metal (Sheet metal, thread rolling) parts of automotive.				

Candidate Details	Name:
	Registration/Roll Number:
	To meet this standard you are required to complete the following tasks within <b>six hours</b> timeframe:
Guidance for Candidate	<ol> <li>Assessment Task 1: Perform vacuum operation to develop plastic part.</li> <li>Assessment Task 2: Perform thread rolling to develop bolt/stud.</li> <li>Assessment Task 3: Perform pressing operation to develop sheet metal parts.</li> <li>Assessment Task 4: Perform welding of sheet to develop sheet metal parts</li> <li>Assessment Task 5: Perform periodic maintenance of parts production machine.</li> </ol>
	And complete:
	Knowledge assessment test (Written)     Portfolios at the time of assessment
	During a practical assessment, under observation by an assessor, you will complete:
	Assessment Task 1: Perform vacuum operation to develop plastic part.
	Performance criteria 1: Select machine, material and tools as per job specification.
	Performance criteria 2: Set parameters as per job specification.
	Performance criteria 3: Operate the machine.
	Performance criteria 4: Perform inspection of final product part.
Minimum Evidence Required	Performance criteria 5: Perform health, hygiene, safety and housekeeping measures.
1.	Assessment Task 2: Perform thread rolling to develop bolt/stud.
	Performance criteria 1: Select machine, material and tools as per job specification.
	Performance criteria 2: Set parameters as per job specification.
	Performance criteria 3: Operate the machine.
	Performance criteria 4: Perform inspection of final product part.
	Performance criteria 5: Perform health, hygiene, safety and housekeeping measures.

# Assessment Task 3: Perform pressing operation to develop sheet metal parts.

**Performance criteria 1**: Select machine, material and tools as per job specification.

Performance criteria 2: Set parameters as per job specification.

Performance criteria 3: Operate the machine.

Performance criteria 4: Perform inspection of final product part.

**Performance criteria 5**: Perform health, hygiene, safety and housekeeping measures.

# Assessment Task 4: Perform welding of sheet to develop sheet metal parts

**Performance criteria 1**: Select welding machine, material and tools as per job specification.

**Performance criteria 2**: Set parameters of specified welding machine as per job requirement.

Performance criteria 3: Perform welding operation.

Performance criteria 4: Perform inspection of final product part.

**Performance criteria 5**: Perform health, hygiene, safety and housekeeping measures.

# Assessment Task 5: Perform periodic maintenance of parts production

Performance criteria 1: Perform fault diagnosis steps.

Performance criteria 2: Select the maintenance tools and equipment.

Performance criteria 3: Perform maintenance of faults.

Performance criteria 4: Perform test run after maintenance.

**Performance criteria 5**: Perform health, hygiene, safety and housekeeping measures.

#### Portfolios required at the time of assessment (if any) for

<u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for the vacuum operation for plastic product part.

<u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for the thread rolling operation for bolt/stud.

<u>Performance criteria 3 for the evaluation of portfolio</u>: Diary log of practical work for the press operation for sheet metal parts.

<u>Performance criteria 4 for the evaluation of portfolio:</u> Diary log of practical work for the welding of the sheet metal parts.

<u>Performance criteria 5 for the evaluation of portfolio:</u> Diary log of practical work for record keeping of periodic maintenance..

Continued on following page

Candid Details	ate	Name:									
COMPETENT□ NOT YET COMPETENT□						r 🗆					
Assess Outcom		Name of the As		:				. Asses	sor's c	ode:	
		Assessor:									
		Assessm	ont Su	mma		(to be	filled k	ov the t	20000	orl	
	Activ		ent ou	IIIIIIa		Method		by the a	235533	Res	sult
Nature	Nature of Activity			Oral		Observation	Portfolio	Role Play		Competent	Not Yet Competent
Practica	al Skill Den	nonstration	Written			✓				)	
Knowle	dge Asses	sment	✓	✓							
Other F	Requiremer	nt					✓				
Each A	ssessment	Task (with perfo	rmance	e crite	eria	a)					
Assess	ment Task	.1				Descript Perform				sk 1: develop pl	astic part.
During followin		al assessment, o	andida	te de	mc	onstrate	ed the	Yes	No	Remarks	
1		lect machine, material and tools as per job ecification.									
2	Set para	ameters as per job specification.									
3	Operate	ate the machine.									
4	Perform inspection of final product part.										
5	Perform measures	health, hygiene, s	safety a	and h	ou	sekeep	oing				
Compe	tent 🗆				N	lot Yet (	Compe	tent $\square$			

		Description of assessment task 2 Perform thread rolling to develop bolt/stud.					
<b>.</b>			rolling	to deve	eiop boit/stud.		
During followin	the practical assessment, candidate deng:	monstrated the	Yes	No	Remarks		
	Select machine, material and tools as	per job					
1	specification.						
2	Set parameters as per job specification	n.					
3	Operate the machine.						
4	Perform inspection of final product par	t.					
5	Perform health, hygiene, safety and housekeeping measures						
Compe	etent 🗆	Not Yet Compe	tent 🗆				
<u> </u>							
Assess	ment Task 3	Description of	assessi	ment ta	sk 3		
		Perform pressing operation to develop sheet metal					
		parts.					
During followin	the practical assessment, candidate deng:	monstrated the	Yes	No	Remarks		
	Select machine, material and tools as	per job					
1	specification.						
2	Set parameters as per job specification.						
3	Operate the machine.						
4	Perform inspection of final product part.						
Perform health, hygiene, safety and housekeeping							
5	measures.						
Compe	etent□	Not Yet Compe	tent 🗆				

Assess	sment Task 4	· ·	scription of assessment task 4 form welding of sheet to develop sheet metal parts.				
During followi	the practical assessment, candidate de ng:	monstrated the	Yes	No	Remarks		
1	Select welding machine, material and job specification.	tools as per					
2	Set parameters of specified welding n job requirement.	nachine as per					
3	Perform welding operation.						
4	Perform inspection of final product par	t.					
5	Perform health, hygiene, safety and housekeeping measures						
Compe	Competent ☐ Not Yet Compe						
Assess	Assessment Task 5  Description Perform machin				sk 5 e of parts production		
During followi	the practical assessment, candidate de ng:	monstrated the	Yes	No	Remarks		
1	Perform fault diagnosis steps.						
2	Select the maintenance tools and equ	ipment.					
3	Perform maintenance of faults.						
4	Perform test run after maintenance.						
5	Perform health, hygiene, safety and housekeeping measures.						
Compe	etent	Not Yet Compe	tent 🗆				

Portfoli	o(if any)	Description of position of practical Diary log of practical practi				
Curren	t□ Sufficient□ Auther	ıtic□	] Valid			Reliable 🛘
Portfoli	o meet the following performance star	ndard	ds:	Yes	No	Remarks
1	Performance criteria 1 for the evaluation of portfolio:  Diary log of practical work for the vacuum operation for plastic product part					
2	Performance criteria 2 for the evaluation of portfolio: Diary log of practical work for the thread rolling operation for bolt/stud.					
3	Performance criteria 3 for the evaluation of portfolio: Diary log of practical work for the press operation for sheet metal parts.					
4	Performance criteria 4 for the evaluation of portfolio: Diary log of practical work for the welding of the sheet metal parts.					
Performance criteria 5 for the evaluation of portfolio:  Diary log of practical work for the record keeping of periodic maintenance.						
Compe	etent 🗆	N	Not Yet Compe	etent $\square$		

CS Code:	Level:	Version:			
	3	01			
Assessment Date (DD/MM/YY):					
00/00/0000					
	Assessment	Assessment Date (DD/MM/			

Candidate Details	Name:					
Details	Registration/Roll Number:					
	To meet this standard, you are required to complete the following					
	within the given time frame (for practical demonstration & assessment):					
	Assessment Task 1: Prepare for welding specified by your assessor correctly using required standards.					
	<b>Assessment Task 2:</b> Prepare welding equipments and accessories specified by your assessor correctly.					
	<b>Assessment Task 3:</b> Perform spot welding operations specified by your assessor correctly using required standard.					
Guidance for	<b>Assessment Task 4:</b> Perform seam welding operations specified by your assessor correctly using required standard.					
Candidate	<b>Assessment Task 5:</b> Perform MIG/TIG welding operations specified by your assessor correctly using required standard.					
	<b>Assessment Task 6:</b> Inspect final work specified by your assessor correctly using required method.					
	<b>Assessment Task 7:</b> Perform work place cleaning and maintenance specified by your assessor as per organizations standard.					
	And complete:					
	Knowledge assessment test (Written)     Portfolios at the time of assessment					
	During a practical assessment, under observation by an assessor, you will complete:					
	Assessment Task 1					
	<b>Performance Criteria 1:</b> Arrange raw material as per part drawing or process sheet.					
	Performance Criteria 2: Arrange consumable material.					
Minimum Evidence	<b>Performance Criteria 3:</b> Arrange welding machine equipment as per specific job.					
Required	Performance Criteria 4: Arrange welding jig and fixture according to the job.					
	Assessment Task 2					
	Performance Criteria 1: Select Electrodes for job.					
	Performance Criteria 2: Select specified welding machine.					
	Performance Criteria 3: Select welding jig according to the job.  Performance Criteria 4: Select require PPEs according to the specific job.					
	renormance Citteria 4. Select require FFES according to the specific job.					

Performance Criteria 1: Set electrode tips.

Performance Criteria 2: Set material on spot welding electrodes.

**Performance Criteria 3:** Set ampere according to material.

Performance Criteria 4: Set holding time.

Performance Criteria 5: Proceed with operation.

# **Assessment Task 4**

Performance Criteria 1: Set roller electrode.

Performance Criteria 2: Set job on seam welding rollers.

Performance Criteria 3: Set ampere according to material.

Performance Criteria 4: Set pressure and speed.

Performance Criteria 5: Proceed with operation.

# **Assessment Task 5**

Performance Criteria 1: Select wire according to the job for MIG welding.

Performance Criteria 2: Set welding machine as per job requirement.

Performance Criteria 3: Adjust wire spool, speed and ampere.

Performance Criteria 4: Adjust CO2 gas pressure as per requirement.

Performance Criteria 5: Attach ground clamp with work piece.

Performance Criteria 6: Proceed with operation.

Performance Criteria 7: Select the electrode for TIG welding.

Performance Criteria 8: Insert electrode into the cullet.

Performance Criteria 9: Set welding machine as per job requirement.

Performance Criteria 10: Set argon gas pressure.

Performance Criteria 11: Proceed with operation.

# **Assessment Task 6**

**Performance Criteria 1:** Perform visual inspection of defects.

**Performance Criteria 1:** Perform destructive testing as per job requirement. **Performance Criteria 1:** Measure dimensions for compliance as per job

requirement.

Performance Criteria 1: Complete inspection report.

# **Assessment Task 7**

**Performance Criteria 1:** Disconnect electric connection after completion of work.

Performance Criteria 2: Disconnect gas connections.

Performance Criteria 3: Clean machines, work station and floor.

Performance Criteria 4: Apply anti-rust spray/cleaning agent.

**Performance Criteria 5:** Maintain tools and equipment.

**Performance Criteria 6:** Keep tools and equipment at appropriate place. **Performance Criteria 7:** Transfer wastage material into the wastage area

Performance Criteria 8: Return excess material to store.

# Portfolios required at the time of assessment (if any) for

<u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for preparation for welding.

<u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for Preparation of welding equipments and accessories.

<u>Performance criteria 3 for the evaluation of portfolio:</u> Diary log of practical work of spot welding operations.

<u>Performance criteria 4 for the evaluation of portfolio:</u> Diary log of practical work of seam welding operations.

<u>Performance criteria 5 for the evaluation of portfolio:</u> Diary log of practical work of MIG/TIG welding operations

<u>Performance criteria 6 for the evaluation of portfolio:</u> Diary log of practical work of inspection of final work.

<u>Performance criteria 7 for the evaluation of portfolio:</u> Diary log of practical work of perform work place cleaning and maintenance.

Continued on following page

Candid Details		Name:								
		COMPETENT	- 0				NOT	YET C	OMPETE	NT 🗆
Assess		Name of the A	Assess	or:			Asse	ssor's	code:	
Outcor	me	Signature of the Assessor:								
		Assessme	nt Sun	nmai	ry (to k	o fillo	h by the	2550	ssor)	
	Activ		in Sun	iiiiai	Meth		a by tilt	asse		sult
Nature of Activity			Written	Oral	Observation	Portfolio	Role Play		Competent	Not Yet Competent
Practio	al Skill De	emonstration			<b>√</b>	_				
Knowle	edge Asse	essment	✓	✓						
Other	Requirem	ent				✓				
Each A	Assessm	ent Task (with	perfo	rman	ce cri	eria)				
Asses	sment Ta	ısk 1			Prepa	re for	welding	specif	ent task 1 ied by you andards	ır assessor
_	•	ical assessmen e following:	it, cand	didate	Э		Yes	No	Remarks	3
1	Arrange process	raw material sheet.	as pe	r pa	rt drav	ing o				
2	Arrange	consumable material.								
3	Arrange specific j	welding machob.	nine e	quip	ment	as pei				
4	Arrange job.	welding jig and	d fixture	e acc	cording	to the				
Compe	etent 🗆				Not Y	et Com	petent		•	

Ass	essment Task 2	Description of assessment task 2				
		•	repare welding equipments and accessories pecified by your assessor correctly.			
	ng the practical assessment, candidate onstrated the following:	e	Yes	No	Remarks	
1	Select Electrodes for job.					
2	Select specified welding machine.					
3	Select welding jig according to the	job.				
4	Select require PPEs according to the job.	ne specific				
Com	petent □	Not Yet Comp	etent I			
Asso	essment Task 3	•	weldin	g oper	ent task 3 rations specified by your equired standard.	
	ng the practical assessment, candidate onstrated the following:	Э	Yes	No	Remarks	
1	Set electrode tips.					
2	Set material on spot welding electrodes					
3	Set ampere according to material					
4	Set holding time.					
5	Proceed with operation.					
Com	petent □	Not Yet Comp	et Competent □			
Assessment Task 4			n weldi	ng ope	ent task 4 erations specified by your equired standard.	
	ng the practical assessment, candidate onstrated the following:	е	Yes	No	Remarks	
1 Set roller electrode.						
2	2 Set job on seam welding rollers.					
3	Set ampere according to material.					
4	Set pressure and speed.					
5	Proceed with operation.					
Com	petent □	Not Yet Comp	etent I			

Asses	sment Task 5	Description of assessment task 5 Perform MIG/TIG welding operations specified by your assessor correctly using required standard.			
_	the practical assessment, candidate strated the following:	e	Yes	No	Remarks
1	Select wire according to the job for welding.	r MIG			
2	Set welding machine as per job re	quirement.			
3	Adjust wire spool, speed and ampere.				
4	Adjust CO2 gas pressure as per requirement.				
5	Attach ground clamp with work piece.				
6	Proceed with operation.				
7	Select the electrode for TIG welding	g.			
8	Insert electrode into the cullet.				
9	Set welding machine as per job requirement.				
10	Set argon gas pressure.				
11	11 Proceed with operation.				
Competent □ Not Yet Co			npetent □		

Inspect final w			of assessment task 6 work specified by your assessor g required method.		
During the practical assessment, candidate demonstrated the following:			Yes	No	Remarks
1	Perform visual inspection of defects.				
2	Perform destructive testing as per job				
3	Measure dimensions for compliance as per job requirement.				
4	Complete inspection report.				
Competent □		Not Yet Competent □			

Asses	sment Task 7	Description of assessment task 7 Perform work place cleaning and maintenance specified by your assessor as per organizations standard.				
	the practical assessment, candidat strated the following:	e	Yes	No	Remarks	
1	Disconnect electric connection after of work.					
2	Disconnect gas connections.					
3	Clean machines, work station and					
4	Apply anti-rust spray/cleaning ager	nt.				
5	Maintain tools and equipment.					
6	Keep tools and equipment at appro					
7	Transfer wastage material into the					
8	Return excess material to store.					
Competent □ Not Yet 0			etent [			

Portfo	olio(if any)	<b>Description of portfolio</b> Diary log of practical work			
Currer	nt □ Sufficient □ Authent				 Reliable □
Portfo	lio meet the following performance s	tandards:	Yes	No	Remarks
1	Performance criteria 1: Diary log of work for preparation for welding.	practical			
2	Performance criteria 2: Diary log of work for Preparation of welding equaccessories.				
3	Performance criteria 3: Diary log of work of spot welding operations.	practical			
4	Performance criteria 4: Diary log of work of seam welding operation.	practical			
5	Performance criteria 5: Diary log of work of MIG/TIG welding operation	•			
6	Performance criteria 6: Diary log of work of inspection of final work.				
7	Performance criteria 7: Diary log of practical work of perform work place cleaning and maintenance.				
C7ompetent □ Not Yet Co					

Title of Qualification:	CS Code:	Level:	Version:			
National Vocational Certificate Level-3 Automotive parts production machine operator		3	01			
Competency Standard Title:	Assessment Date (DD/MM/YY):					
Apply thread rolling operation	00/00/0000					

Candidate Details	Name:						
	Registration/Roll Number:						
	To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment):						
	Assessment Task 1: Prepare for thread rolling specified by your assessor						
	correctly using proper method.						
	Assessment Task 2: Conduct pre-operational checks on machine specified by your assessor correctly.						
Guidance for Candidate	<b>Assessment Task 3:</b> Prepare thread rolling die specified by your assessor correctly using proper method.						
	<b>Assessment Task 4:</b> Operate machine specified by your assessor correctly on required standard.						
	<b>Assessment Task 5:</b> Inspect final product specified by your assessor correctly on required standard.						
	<b>Assessment Task 6:</b> Perform workplace cleaning and maintenance specified by your assessor correctly as per organization standard.						
	And complete: 8. Knowledge assessment test (Written)						
	9. Portfolios at the time of assessment						
	During a practical assessment, under observation by an assessor, you will complete:						
	Assessment Task 1						
	Performance Criteria 1: Arrange material as per drawing or process sheet.  Performance Criteria 2: Select tools and equipment.						
	Performance Criteria 3: Set the machine as per job specification.						
	Assessment Task 2						
Minimum Evidence	Performance Criteria 1: Inspect all electrical connection.  Performance Criteria 2: Check all mechanical fitting and joints.						
Required	Performance Criteria 3: Check operation of emergency switches.						
	Performance Criteria 4: Check and maintain correct coolant level.						
	Performance Criteria 5: Check and maintain correct air pressure.  Performance Criteria 6: Check and maintain proper lubrication.						
	Performance Criteria 7: Change thread roller as per requirement.						
	Performance Criteria 8: Insert material in vibrating bowl.						
	Performance Criteria 9: Set the distance of tools according to the job.						
	<b>Performance Criteria 10:</b> Check material easily shifting from vibrating bowl to slide. Complete target as per given time.						

Performance Criteria 1: Replace the thread roller.

Performance Criteria 2: Check the die holder.

**Performance Criteria 3:** Hold the thread roller.

**Performance Criteria 4:** Fasten the die by using appropriate tools and/or equipment.

.Performance Criteria 5: Set die alignment.

#### **Assessment Task 4**

Performance Criteria 1: Set all parameters.

Performance Criteria 2: Proceed with operation.

Performance Criteria 3: Monitor operation to ensure compliance with job

requirements.

# **Assessment Task 5**

Performance Criteria 1: Perform visual inspection of defects.

Performance Criteria 2: Check blank dia before cutting.

Performance Criteria 3: Check the thread profile.

**Performance Criteria 4:** Inspect with the thread gauge.

Performance Criteria 5: Complete inspection report.

# **Assessment Task 6**

Performance Criteria 1: Maintain all check sheets and work instruction on machine

Performance Criteria 2: Perform cleaning of die, machine and floor.

Performance Criteria 3: Apply anti-rust spray/cleaning agent.

Performance Criteria 4: Perform lubrication on slides and die.

**Performance Criteria 5:** Maintain tools and equipment.

**Performance Criteria 6:** Keep tools and equipment at appropriate place.

**Performance Criteria 7:** Transfer wastage material in to the wastage area.

Performance Criteria 8: Return excess material to store.

#### Portfolios required at the time of assessment (if any) for

<u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for preparation for thread rolling.

<u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for conduct pre-operational checks on machine.

<u>Performance criteria 3 for the evaluation of portfolio:</u> Diary log of practical work of preparation of thread rolling die.

<u>Performance criteria 4 for the evaluation of portfolio:</u> Diary log of practical work for operate of machine.

<u>Performance criteria 5 for the evaluation of portfolio:</u> Diary log of practical work for inspection of final product.

<u>Performance criteria 6 for the evaluation of portfolio:</u> Diary log of practical perform workplace cleaning and maintenance.

Candid Details		Name:Registration/Roll Number:  Candidate Signature:								
Asses		COMPETENT   Name of the Assessor: Assessor's code:  Signature of the Assessor:								
Assessment Summary (to be filled by the assessor)										
	Activ				Method				Res	sult
Nature of Activity			Written	Oral	Observation	Portfolio	Role Play		Competent	Not Yet Competent
Practio	cal Skill De	emonstration			✓					
Knowle	edge Asse	essment	✓	✓						
Other	Requirem	ent				✓				
Each A	Assessm	ent Task (with	perfo	rman	ce crite	ria)				
Asses	sment Ta	ısk 1			Prepar	e for th	of assessment task 1  nread rolling specified by your rectly using proper method.			
During the practical assessment, candidate demonstrated the following:						Yes	No	Remarks	3	
1	Arrange sheet.	ge material as per drawing or process								
2	Select to	ols and equipm	ent.							
3	Set the r	nachine as per	job sp	ecific	ation.					

Not Yet Competent □

Competent □

Asse	ssment Task 2	Conduct pre-	of assessment task 2 operational checks on machine our assessor correctly.			
	g the practical assessment, candidatenstrated the following:	е	Yes	No	Remarks	
1	Inspect all electrical connection.					
2	Check all mechanical fitting and joi	nts.				
3	Check operation of emergency swi	tches.				
4	Check and maintain correct coolan	t level.				
5	Check and maintain correct air pre	ssure.				
6	Check and maintain proper lubrica	tion.				
7	Change thread roller as per require	ement.				
8	Insert material in vibrating bowl.					
9	Set the distance of tools according	to the job.				
10	Check material easily shifting from bowl to slide.Complete target as pe	•				
Comp	petent □	Not Yet Comp	etent I	]		
Asse	ssment Task 3	Description of assessment task 3 Prepare thread rolling die specified by your assessor correctly using proper method.				
	g the practical assessment, candidatenstrated the following:	е	Yes	No	Remarks	
1	Replace the thread roller.					
2	Check the die holder.					
3	Hold the thread roller.					
4	Fasten the die with Allen-key.					
5	Set die alignment.					
Comp	etent 🗆	Not Yet Comp	etent I			
_						
Asse	ssment Task 4	Description Operate maccorrectly on re	hine sp	ecifie	d by your assessor	
	g the practical assessment, candidat nstrated the following:	e	Yes	No	Remarks	
1	Set all parameters.					
2	Proceed with operation.					
3	Monitor operation to ensure compline requirements.	ance with job				
Comp	petent 🗆	Not Yet Comp	petent 🗆			

Asses	ssment Task 5	Description of assessment task 5					
				product specified by your assessor equired standard.			
During	the practical assessment, candidate	·					
	nstrated the following:	5	Yes	No	Remarks		
1	Perform visual inspection of defects	S.					
2	Check blank dia before cutting.						
3	Check the thread profile.						
4	Inspect with the thread gauge						
5	Complete inspection report.						
Compe	etent 🗆	Not Yet Comp	etent [				
Asses	ssment Task 6	Description of assessment task 6					
			Perform workplace cleaning and maintenance specified by your assessor correctly as per				
			inization standard standard.				
_	the practical assessment, candidate nstrated the following:	e	Yes	No	Remarks		
1	Maintain all check sheets and wo on machine.	ork instruction					
2	Perform cleaning of die, machine a	nd floor.					
3	Apply anti-rust spray/cleaning ager	nt.					
4	Perform lubrication on slides and d						
5	Maintain tools and equipment.						
6	Keep tools and equipment at appropriate place.						
7	Transfer wastage material in to area.	the wastage					
8	Return excess material to store.						

Not Yet Competent  $\square$ 

Competent  $\Box$ 

Portfo	lio(if any)	Description of portfolio Diary log of practical work				
Currer	nt □ Sufficient □ Authent	tic   Valid			Reliable □	
Portfol	io meet the following performance s	tandards:	Yes	No	Remarks	
1	Performance criteria 1 for the evaluation portfolio: Diary log of practical work Preparation for thread rolling.					
2	Performance criteria 2 for the evaluation portfolio: Diary log of practical work pre-operational checks on machine					
3	Performance criteria 3 for the evaluation portfolio: Diary log of practical work preparation of thread rolling die.					
4	Performance criteria 4 for the evaluation portfolio: Diary log of practical work of machine					
5	Performance criteria 5 for the evaluation of portfolio: Diary log of practical work for inspection of final product.					
6	Performance criteria 6 for the evaluation portfolio: Diary log of practical workworkplace cleaning and maintenant					
Comp	etent 🗆	Not Yet Com	petent			

Title of Qualification:	CS Code:	Level:	Version:			
National Vocational Certificate Level-3 Automotive parts production machine operator		3	01			
Competency Standard Title:	Assessment Date (DD/MM/YY):					
Perform vacuum forming operation	00/00/0000					

Candidate Details	Name:
	Registration/Roll Number:
	To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment):
	Assessment Task 1: Prepare for vacuum forming specified by your
	assessor correctly using proper method.
	<b>Assessment Task 2:</b> Conduct pre-operational checks on machine specified by your assessor correctly.
Guidance for	<b>Assessment Task 3:</b> Prepare vacuum mould specified by your assessor correctly using proper method.
Candidate	<b>Assessment Task 4:</b> Operate machine specified by your assessor correctly use required standard.
	Assessment Task 5: Inspect final product specified by your assessor correctly on required standard.
	Assessment Task 6: Perform workplace cleaning and maintenance specified by your assessor correctly as per organization standard.
	And complete:
	10. Knowledge assessment test (Written) 11. Portfolios at the time of assessment
	During a practical assessment, under observation by an assessor, you will complete:
	Assessment Task 1
	Performance Criteria 1: Arrange material as per drawing or process sheet.  Performance Criteria 2: Select the tools and equipment.
	Performance Criteria 3: Set machine as per job specification.
	Assessment Task 2
Minimum	Performance Criteria 1: Inspect all electrical connection.
Evidence	Performance Criteria 2: Check all mechanical fitting and joints.
Required	Performance Criteria 3: Check operation of emergency switches.
	Performance Criteria 4: Check the pneumatic connections.
	Performance Criteria 5: Check pneumatic filters.
	Performance Criteria 6: Check vacuum pump pressure. Performance Criteria 7: Check and maintain vacuum pump oil level.
	Performance Criteria 8: Check heater condition.
	Performance Criteria 9: Check shifting of bed gear system.
	Performance Criteria 10: Check and maintain correct hydraulic and lubrication oil level.

Performance Criteria 1: Lift mould with lifting equipment.
Performance Criteria 2: Place the mould on the mould platen.

Performance Criteria 3: Set mould alignment.

**Performance Criteria 4:** Clamp mould with the help of bolts/ hydraulic clamps.

#### **Assessment Task 4**

Performance Criteria 1: Set all parameters.

Performance Criteria 2: Pull the sheet on mould.

Performance Criteria 3: Set heater on defined temperature.

Performance Criteria 4: Perform pre-heat the sheet on defined time.

Performance Criteria 5: Proceed with operation.

Performance Criteria 6: Monitor operation to ensure compliance with job

requirements.

# **Assessment Task 5**

Performance Criteria 1: Perform visual inspection of defects.

Performance Criteria 2: Check dimensionally.

**Performance Criteria 3:** Check part on checking fixture.

Performance Criteria 4: Complete inspection report.

#### **Assessment Task 6**

**Performance Criteria 1:** Maintain all check sheets and work instruction on machine.

Performance Criteria 2: Maintain compressor lines.

Performance Criteria 3: Maintain heaters connections.

**Performance Criteria 4:** Perform cleaning of die, machine and floor. **Performance Criteria 5:** Perform lubrication on gears, slides and die.

Performance Criteria 6: Apply anti rust spray/cleaning agent.

Performance Criteria 7: Maintain tools and equipment.

**Performance Criteria 8:** Keep tools and equipment at appropriate place. **Performance Criteria 9:** Transfer wastage material in to the wastage area.

Performance Criteria 10: Return excess material to store.

# Portfolios required at the time of assessment (if any) for

<u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for preparation for vacuum forming.

<u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for conduct pre-operational checks on machine.

<u>Performance criteria 3 for the evaluation of portfolio:</u> Diary log of practical work for preparation of vacuum mould.

<u>Performance criteria 4 for the evaluation of portfolio:</u> Diary log of practical work for operate of machine.

<u>Performance criteria 5 for the evaluation of portfolio:</u> Diary log of practical work for inspection of final product.

<u>Performance criteria 6 for the evaluation of portfolio:</u> Diary log of practical work for perform workplace cleaning and maintenance.

Candid Details		Name:Registration/Roll Number:  Candidate Signature:								
	COMPETENT   NOT YET COMPETENT									
Assess		Name of the A	∖ssess	or:			Asse	ssor's	code:	
Outcor	me	Signature of the Assessor:								
Assessment Summary (to be filled by the assessor)										
	Activ				Method		<i>by</i> :::-			sult
Nature of Activity			Written	Oral	Observation	Portfolio	Role Play		Competent	Not Yet Competent
Praction	cal Skill D	emonstration		Ü	<b>√</b>					
Knowl	edge Asse	essment	<b>✓</b>	✓						
Other	Requirem	ent				✓				
Each a	Assessm	ent Task (with	perfo	rmanc	ce crite	ria)				
Asses	ssment Ta	ısk 1			Prepare	e for va	acuum	formir	ent task 1 ng specifie roper meth	
		tical assessmen ne following:	t, cand	lidate			Yes	No	Remarks	3
1	Arrange material as per drawing or process sheet.									
2	Select th	ne tools and equ	ıipmen	ıt.						
3	Set mac	hine as per job	specifi	cation	١.					
Competent □ Not Yet Competent □										

Assessment Task 2 Description of			of assessment task 2			
		operational checks on machine our assessor correctly.				
	the practical assessment, candidate strated the following:	е	Yes	No	Remarks	
1	Inspect all electrical connection.					
2	Check all mechanical fitting and joi	nts.				
3	Check operation of emergency swi	tches.				
4	Check the pneumatic connections.					
5	Check pneumatic filters.					
6	Check vacuum pump pressure.					
7	Check and maintain vacuum pump	oil level.				
8	Check heater condition.					
9	Check shifting of bed gear system.					
10	Check and maintain correct h lubrication oil level.	ydraulic and				
Comp	etent 🗆	Not Yet Comp	mpetent 🗆			
_						
Asses	sment Task 3	Description of assessment task 3				
		Prepare vacuum mould specified by your assessor correctly using proper method.				
During the practical assessment, candidate demonstrated the following:			Yes	No	Remarks	
1	Lift mould with lifting equipment.					
2	Place the mould on the mould platen.					
3	Set mould alignment.					
4	Clamp mould with the help of bools	olts/ hydraulic				
Comp	etent □	Not Yet Comp	etent 🗆			

Operate mad				of assessment task 4 hine specified by your assessor equired standard.			
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks			
1	Set all parameters.						
2	Pull the sheet on mould.						
3	Set heater on defined temperature.						
4	Perform pre-heat the sheet on defined time.						
5	Proceed with operation.						
6	Monitor operation to ensure compliance with job requirements.						
Comp	petent □	Not Yet Comp	etent l				
Asse	ssment Task 5	Description (	of ass	essme	ent task 5		
				product specified by your assessor equired standard.			
•	During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks		
1 Perform visual inspection of defects.							
2 Check dimensionally.							
3	Check part on checking fixture.						
4	Complete inspection report.						

Not Yet Competent □

Competent □

Perform workp			of assessment task 3 place cleaning and maintenance our assessor correctly as per standard.		
During the practical assessment, candidate demonstrated the following:			Yes	No	Remarks
1	Maintain all check sheets and work instruction on machine.				
2	Maintain compressor lines.				
3	Maintain heaters connections.				
4	Perform cleaning of die, machine and floor.				
5	Perform lubrication on gears, slides and die.				
6	Apply anti rust spray/cleaning agent.				
7	Maintain tools and equipment.				
8	Keep tools and equipment at appropriate place.				
9	Transfer wastage material in to the wastage area.				
10 Return excess material to store.					
Competent □ Not Yet Comp			etent l		

Portfolio(if any)  Description of			•		
Diary log of practic					
Currer	nt □ Sufficient □ Authent	ic □ Valid			Reliable □
Portfol	lio meet the following performance s	tandards:	Yes	No	Remarks
1	Performance criteria 1 for the evaluation of portfolio: Diary log of practical work for preparation for vacuum forming.				
2	Performance criteria 2 for the evaluation of portfolio: Diary log of practical work for conduct pre-operational checks on machine.				
3	Performance criteria 3 for the evaluation of portfolio: Diary log of practical work for preparation of vacuum mould.				
4	Performance criteria 4 for the evaluation of portfolio: Diary log of practical work for operate of machine.				
5	Performance criteria 5 for the evaluation of portfolio: Diary log of practical work for inspection of final product.				
Performance criteria 6 for the evaluation of portfolio: Diary log of practical work for perform workplace cleaning and maintenance.					
Comp	etent 🗆	Not Yet Comp	petent		

Title of Qualification:	CS Code:	Level:	Version:			
National Vocational Certificate Level-3 Automotive parts production machine operator		3	01			
Competency Standard Title:	Assessment Date (DD/MM/YY):					
Perform pressing operation	00/00/0000					

Candidate Details	Name:
	Registration/Roll Number:
	To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment):  Assessment Task 1: Prepare for pressing specified by your assessor correctly using proper method.
	Assessment Task 2: Conduct pre-operational checks on machine specified by your assessor correctly.
	<b>Assessment Task 3:</b> Prepare die specified by your assessor correctly using proper method.
Guidance	<b>Assessment Task 4:</b> Operate mechanical press machine specified by your assessor correctly on required standard.
for Candidate	<b>Assessment Task 5:</b> Operate hydraulic press machine specified by your assessor correctly on required standard.
	<b>Assessment Task 6:</b> Operate pneumatic press machine specified by your assessor correctly on required standard.
	<b>Assessment Task 7:</b> Inspect final product specified by your assessor correctly on required standard.
	<b>Assessment Task 8</b> : Perform workplace cleaning and maintenance specified by your assessor correctly as per organization standard.
	And complete:
	12. Knowledge assessment test (Written) 13. Portfolios at the time of assessment
	During a practical assessment, under observation by an assessor, you will complete:
Minimum	Assessment Task 1
Evidence Required	Performance Criteria 1: Arrange material as per drawing or process sheet.  Performance Criteria 1: Select tools and equipment.  Performance Criteria 1: Select die.
	Performance Criteria 1: Set machine as per job specification.

Performance Criteria 1: Inspect all electrical connections.

Performance Criteria 2: Check all mechanical fitting and joint.

Performance Criteria 3: Check operation of emergency switches.

Performance Criteria 4: Check friction brakes on mechanical press.

**Performance Criteria 5:** Inspect master cylinder for external leaks and proper operation in hydraulic or pneumatic press.

**Performance Criteria 6:** Inspect brake lines, hose pipes and fittings for dents, leaks, rust, crack and loose fittings.

Performance Criteria 7: Ensure working of two hand operational button.

**Performance Criteria 8:** Check and maintain brake fluid, hydraulic fluid level..

Performance Criteria 9: Check all limit switches.

# **Assessment Task 3**

Performance Criteria 1: Lift the die with lifting equipment.

Performance Criteria 2: Set die alignment.

**Performance Criteria 3:** Clamp the die on press with bolts/ hydraulic clamps.

#### **Assessment Task 4**

Performance Criteria 1: Load die-set.

Performance Criteria 2: Set all parameters.

Performance Criteria 3: Fasten the bolts of ram.

Performance Criteria 4: Proceed with operation.

Performance Criteria 5: Monitor operation to ensure compliance with job

requirements.

## **Assessment Task 5**

Performance Criteria 1: Load die-set.

Performance Criteria 2: Set all parameters.

Performance Criteria 3: Fasten the bolts of ram.

Performance Criteria 4: Proceed with operation.

**Performance Criteria 5:** Monitor operation to ensure compliance with job

requirements.

#### **Assessment Task 6**

Performance Criteria 1: Load die-set.

Performance Criteria 2: Set all parameters.

Performance Criteria 3: Fasten the bolts of ram.

**Performance Criteria 4:** Proceed with operation.

Performance Criteria 5: Monitor operation to ensure compliance with job

requirements.

#### Assessment Task 7

**Performance Criteria 1:** Perform visual inspection of defects.

Performance Criteria 2: Check dimensionally.

Performance Criteria 3: Check fitment on checking fixture.

Performance Criteria 4: Complete inspection report.

**Performance Criteria 1:** Maintain all check sheets and work instruction on machine.

Performance Criteria 2: Perform cleaning of die, machine and floor.

Performance Criteria 3: Apply Anti-rust spray/Cleaning agent.

Performance Criteria 4: Perform lubrication on slides and die

Performance Criteria 5: Maintain tools and equipment.

Performance Criteria 6: Keep tools and equipment at appropriate place.

Performance Criteria 7: Transfer wastage material in to the wastage area.

Performance Criteria 8: Return excess material to store.

# Portfolios required at the time of assessment (if any) for

<u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for preparation for pressing.

<u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for conduct pre-operational checks on machine.

<u>Performance criteria 3 for the evaluation of portfolio:</u> Diary log of practical work for preparation of die.

<u>Performance criteria 4 for the evaluation of portfolio:</u> Diary log of practical work for operate of mechanical press machine.

<u>Performance criteria 5 for the evaluation of portfolio:</u> Diary log of practical work for operate of hydraulic press machine.

<u>Performance criteria 6 for the evaluation of portfolio:</u> Diary log of practical work for operate of pneumatic press machine.

<u>Performance criteria 7 for the evaluation of portfolio:</u> Diary log of practical work for inspection of final product.

<u>Performance criteria 8 for the evaluation of portfolio:</u> Diary log of practical work for perform workplace cleaning and maintenance.

Continued on following page

Candid Details		Name:Registration/Roll Number:  Candidate Signature:								
COMPETENT						NOT	YET C	OMPETE	NT 🗆	
Assess	sment	Name of the A	∖ssess	or:			Asse	ssor's	code:	
Outcoi		Signature of the Assessor:	he							
		Assessmer	nt Sun	nmar			by the	asse		
	Activ	<i>r</i> ity	<u></u>		Method	d				sult
Nature of Activity		y 	Written	Oral	Observation	Portfolio	Role Play		Competent	Not Yet Competent
Praction	cal Skill Do	emonstration			<b>✓</b>					
Knowl	ledge Asse	essment	✓	✓						
Other	Requirem	ent				<b>✓</b>				
Each	Assessm	ent Task (with	perfo	rman	ce crite	ria)				
Asses	ssment Ta	ask 1			Descri	ption	of ass	essme	ent task 1	
						e for p	ressing	g speci	ified by yo	ur assessor
_		tical assessmen ne following:	it, cand	lidate	;		Yes	No	Remarks	3
Arrange material as per drawing or process sheet.										
2 Select tools and equipment.										
3	Select di	ie.								
4	Set mac	hine as per job	specifi	catior	n.					
Comp	etent 🗆				Not Yet	t Comp	etent I			

Conduct pre-				of assessment task 2 operational checks on machine our assessor correctly.			
	ng the practical assessment, candidate onstrated the following:	е	Yes	No	Remarks		
1	Inspect all electrical connections.						
2	Check all mechanical fitting and join	nt.					
3	Check operation of mergency switch	hes.					
4	Check friction brakes on mechanica	al press.					
5	Inspect master cylinder for external leaks and proper operation in hydraulic or pneumatic press.						
6	Inspect brake lines, hose pipes and fittings for dents, leaks, rust, crack and loose fittings.						
7	Ensure working of two hand operat	tional button.					
8	8 Check and maintain correct brake fluid, hydraulic fluid level.						
9	Check all limit switches.						
Com	petent □	Not Yet Comp	etent I	<b>3</b>			
Prepar		Description of assessment task 3 Prepare die specified by your assessor correctly using proper method.					
	During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks		
1	1 Lift the die with lifting equipment.						
2	2 Set die alignment.						
Clamp the die on press with bolts/ hydraulic clamps.							
Com	petent □	Not Yet Comp	etent I	]			

Asses	ssment Task 4	Description of assessment task 4  Operate mechanical press machine specified by your assessor correctly on required standard.				
During the practical assessment, candidate demonstrated the following:			Yes	No	Remarks	
1	Load die-set.					
2	Set all parameters.					
3	Fasten the bolts of ram.					
4	Proceed with operation.					
5	Monitor operation to ensure compliance with job requirements.					
Comp	etent □	Not Yet Comp	etent l	etent		
Ope		Description of assessment task 5  Operate hydraulic press machine specified by your assessor correctly on required standard.				
	g the practical assessment, candidate nstrated the following:	e	Yes	No	Remarks	
1	Load die-set.					
2	Set all parameters.					
3	Fasten the bolts of ram.					
4	Proceed with operation.					
5	Monitor operation to ensure compliance with job requirements.					
Competent □ Not Yet Comp			etent 🗆			
<u>.                                      </u>						

				press	ent task 6 machine specified by required standard.
During the practical assessment, candidate demonstrated the following:			Yes	No	Remarks
1	Load die-set.				
2	Set all parameters.				
3	Fasten the bolts of ram.				
4	Proceed with operation.				
Monitor operation to ensure compliance with job requirements.					
Competent □ Not Yet			etent I	]	

Asses	Description of assessment to Inspect final product specified correctly on required standard.			fied by your assessor	
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks	
1	Perform visual inspection of defects.				
2	Check dimensionally.				
3	Check fitment on checking fixture.				
4	Complete inspection report.				
Competent □ Not Yet Comp		etent [	]		

		place o	cleanin sessor	ent task 8 g and maintenance correctly as per	
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks	
1	Maintain all check sheets and work instruction on machine.				
2	Perform cleaning of die, machine and floor.				
3	Apply Anti-rust spray/Cleaning agent.				
4	Perform lubrication on slides and d	lie			
5	Maintain tools and equipment.				
6	Keep tools and equipment at appropriate place.				
7	Transfer wastage material in to the wastage area.				
8	Return Excess material to store.				
Compe	etent 🗆	Not Yet Comp	etent [		

Portfolio(if any)  Description of Diary log of processing to the processing of the p		•			
Current ☐ Sufficient ☐ Authentic ☐ Valid		tic □ Valid			Reliable □
Portfo	io meet the following performance s	tandards:	Yes	No	Remarks
1	Performance criteria 1 for the evaluation portfolio: Diary log of practical work Preparation for pressing.				
2	portfolio: Diary log of practical work	Performance criteria 2 for the evaluation of portfolio: Diary log of practical work for Conduct pre-operational checks on machine.			
3	Performance criteria 3 for the evaluation portfolio: Diary log of practical work Preparation of die.				
4	Performance criteria 4 for the evaluation of portfolio: Diary log of practical work for operate of mechanical press machine.				
5	Performance criteria 5 for the evaluation portfolio: Diary log of practical work of hydraulic press machine.				
6	Performance criteria 6 for the evaluation portfolio: Diary log of practical work of pneumatic press machine.				
7	Performance criteria 7 for the evaluation portfolio: Diary log of practical work inspection of final product.				
8	Performance criteria 8 for the evaluation of portfolio: Diary log of practical work for perform workplace cleaning and maintenance.				
Comp	etent 🗆	Not Yet Comp	petent		

CS Code:	Level:	Version:		
	3	01		
Assessment Date (DD/MM/YY):				
00/00/0000				
	Assessment	3 Assessment Date (DD/MM/		

Candidate Details	Name:
	Registration/Roll Number:
	To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment):
	Assessment Task 1: Prepare for maintenance specified by your assessor
	<b>Assessment Task 2:</b> Isolate and shut down equipment and machine specified by your assessor correctly.
Guidance for Candidate	<b>Assessment Task 3:</b> Inspect equipment and machine specified by your assessor correctly using required methods.
	<b>Assessment Task 4:</b> Conduct preventive maintenance specified by your assessor correctly using required methods.
	Assessment Task 5: Report fault specified by your assessor correctly.
	<b>Assessment Task 6:</b> Record maintenance specified by your assessor correctly.
	And complete:
	<ul><li>14. Knowledge assessment test (Written)</li><li>15. Portfolios at the time of assessment</li></ul>
	Assessment Task 1
	Performance Criteria 1: Arrange the recommended machine oil and oil filter.
	<b>Performance Criteria 2:</b> Arrange the recommended hydraulic seals and fluid.
Minimum	<b>Performance Criteria 3:</b> Arrange the recommended hydraulic hose and clamps.
Evidence	Performance Criteria 4: Arrange recommended bearings.
Required	<b>Performance Criteria 5:</b> Arrange the recommended pneumatic hose and couplers.
	<b>Performance Criteria 6:</b> Arrange the recommended relays, fuses, Sensors, switches and circuit breakers.
	Performance Criteria 7: Arrange the machine cleaning agents and cotton
	rag.  Performance Criteria 8: Select the repairing tools and equipment.
	Performance Criteria 9: Arrange the recommended floor marking and machine colours

# **Assessment Task 2**

**Performance Criteria 1:** Clean the workplace and identify the faulty components.

Performance Criteria 2: Identify small hazards at workplace and eliminate it.

**Performance Criteria 3:** Change the oil and oil filter under specified procedure.

**Performance Criteria 4:** Replace the hydraulic oil, seals and hoses. **Performance Criteria 5:** Replace the pneumatic hoses and coupler.

**Performance Criteria 6:** Replace the recommended relay, sensors, fuses and circuit breakers.

**Performance Criteria 7:** Paint the recommended floor marking and machine floor area marking and machine colours.

#### **Assessment Task 3**

**Performance Criteria 1:** Operate the machine and verify all functions.

**Performance Criteria 2:** Inspect the leakage in hydraulic system.

**Performance Criteria 3:** Inspect the leakage in pneumatic hoses with soap water.

**Performance Criteria 4:** Inspect and verify the correct installation, working of electronics parts.

**Performance Criteria 5:** Check the dryness of paint on floor.

#### **Assessment Task 4**

**Performance Criteria 1:** Follow preventive maintenance chart and update according time period.

**Performance Criteria 2:** Identify and eliminate the minor hazards.

#### **Assessment Task 5**

Performance Criteria 1: Create job card as per the machine faults.

**Performance Criteria 2:** Coordinate with maintenance/service department for further necessary action.

Performance Criteria 3: Follow up for the repair/maintenance performed.

#### **Assessment Task 6**

Performance Criteria 1: Maintain log book.

**Performance Criteria 2:** Record the consumable and spare parts used.

Performance Criteria 3: Prepare comprehensive report.

#### Portfolios required at the time of assessment (if any) for

<u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for preparation for maintenance.

<u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for Isolate and shut down equipment and machine.

<u>Performance criteria 3 for the evaluation of portfolio:</u> Diary log of practical work for Inspect equipment and machine.

<u>Performance criteria 4 for the evaluation of portfolio:</u> Diary log of practical work for conduct preventive maintenance.

<u>Performance criteria 5 for the evaluation of portfolio:</u> Diary log of practical work for report of faults.

<u>Performance criteria 6 for the evaluation of portfolio:</u> Diary log of practical work for record of maintenance.

Candidate Details	Name:  Candidate Signature:	
Assessment Outcome	COMPETENT   Name of the Assessor:	

Assessment Summary (to be filled by the assessor)										
Activity		I	Vietho	d		Result				
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent			
Practical Skill Demonstration			✓							
Knowledge Assessment	✓	✓								
Other Requirement				✓						
Each Assessment Task (with performance criteria)										

assessor				ent task 1 specified by your	
_	the practical assessment, candidatenstrated the following:	e	Yes	No	Remarks
1	Arrange the recommended machin filter.	e oil and oil			
2	Arrange the recommended hydraulic seals and fluid.				
3	Arrange the recommended hydraul clamps.	ic hose and			
4	Arrange recommended bearings.				
5	Arrange the recommended pneumatic hose and couplers.				
6	Arrange the recommended relays, fuses, Sensors, switches and circuit breakers.				
7	Arrange the machine cleaning agents and cotton rag.				
8	Select the repairing tools and equipment.				
9	Arrange the recommended floor marking and machine colours				
Competent □ Not Yet Comp		etent [	]		
Asses	ssment Task 2	Description	of asso	essme vn equ	ipment and machine
During	ssment Task 2 g the practical assessment, candidate astrated the following:	Description Isolate and sl specified by y	of asso	essme vn equ	ipment and machine
During	the practical assessment, candidate	Description Isolate and slapecified by y	of asso nut dov your as	essme vn equ sessor	ipment and machine correctly.
During demor	the practical assessment, candidate astrated the following:  Clean the workplace and identify the	Description Isolate and sl specified by y	of assemut down as	essme vn equ sessor No	ipment and machine correctly.
During demor	the practical assessment, candidate a strated the following:  Clean the workplace and identify the components.  Identify small hazards at workplace	Description Isolate and slapecified by your me faulty	of asserted of ass	essme vn equ sessor No	ipment and machine correctly.
During demor	the practical assessment, candidate astrated the following:  Clean the workplace and identify the components.  Identify small hazards at workplace eliminate it.  Change the oil and oil filter under seconds.	Description Isolate and slapecified by your me faulty and pecified	of asserted over as	essme vn equ sessor	ipment and machine correctly.
During demor	the practical assessment, candidate astrated the following:  Clean the workplace and identify the components.  Identify small hazards at workplace eliminate it.  Change the oil and oil filter under sprocedure.	Description Isolate and sland specified by your period and pecified down the same same same same same same same sam	of asserted down as	essme vn equ sessor	ipment and machine correctly.
During demor	the practical assessment, candidate estrated the following:  Clean the workplace and identify the components.  Identify small hazards at workplace eliminate it.  Change the oil and oil filter under seprocedure.  Replace the hydraulic oil, seals an	Description Isolate and sland specified by your period and pecified downward downward for the same and pecified downward downward for the same and pecified	Yes	essme vn equ sessor	ipment and machine correctly.

Not Yet Competent □

Competent □

Asse	Assessment Task 3 Description		of assessment task 3			
<u> </u>					achine specified by your equired methods.	
During the practical assessment, candidate demonstrated the following:		e	Yes	No	Remarks	
1	Operate the machine and verify all functions.					
2	Inspect the leakage in hydraulic sy	stem.				
3	Inspect the leakage in pneumatic h soap water.	oses with				
4	Inspect and verify the correct insta working of electronics parts.	llation,				
5	Check the dryness of paint on floor	ſ				
Comp	petent □	Not Yet Comp	etent I			
Asso	sement Task 4	Description	of acc	neema	ant tack A	
Assessment Task 4		Description of assessment task 4  Conduct preventive maintenance specified by your assessor correctly using required methods.				
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks		
1	Follow preventive maintenance chaupdate according time period.	art and				
2	Identify and eliminate the minor ha	zards.				
Comp	petent □	Not Yet Comp	etent I			
Assessment Task 5		<b>Description</b> Report fault s			ent task 5 our assessor correctly.	
During the practical assessment, candidate demonstrated the following:		e	Yes	No	Remarks	
1	Create job card as per the machine	e faults.				
2	Coordinate with maintenance/servi department for further necessary a					
3	Follow up for the repair/maintenand	ce performed.				
Comp	petent 🗆	Not Yet Comp	etent I			

Assessment Task 6  Description Record main correctly.				nt task 6 ified by your assessor	
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks	
1	Maintain log book.				
2	Record the consumable and spare parts used.				
3	Prepare comprehensive report.				
Competent □ Not Yet Com		Not Yet Comp	etent [		

Portfolio(if any)		Description of portfolio Diary log of practical work			
Currer	nt □ Sufficient □ Authent	ic   Valid			Reliable □
Portfol	lio meet the following performance s	tandards:	Yes	No	Remarks
1	Performance criteria 1 for the evaluation of portfolio: Diary log of practical work for preparation for maintenance.				
2	Performance criteria 2 for the evaluation of portfolio: Diary log of practical work for Isolate and shut down equipment and machine.				
3	Performance criteria 3 for the evaluation of portfolio: Diary log of practical work for inspect equipment and machine.				
4	Performance criteria 4 for the evaluation of portfolio: Diary log of practical work for conduct preventive maintenance.				
5	Performance criteria 5 for the evaluation of portfolio: Diary log of practical work for report of faults.				
6	Performance criteria 6 for the evaluation of portfolio: Diary log of practical work for record of maintenance.				
Comp	etent 🗆	Not Yet Com	petent		

Title of Qualification:	CS Code:	Level:	Version:	
National vocational certificate level-3 in Automotive parts production machine operator		3	1	
Competency Standard Title:	Assessment Date (DD/MM/YY):			
Perform welding				

Guidance for Candidate

To complete your assessment for this Competency Standard, you need to answer the questions on the following pages successfully.

Candidate Details	Name:  Candidate Signature:	
Written Assessment Outcome	COMPETENT  Name of the Assessor:  Signature of the Assessor:	NOT YET COMPETENT□ Assessor's code:

Title of Qualification:	CS Code:	Level:	Version:
National vocational certificate level-3 in Automotive parts production machine operator		3	1
Competency Standard Title:	Assessmen	t Date (DD/M	M/YY):

Questi	on	Candidate's answer
1.	Explain Arc Welding Principle?	Arc welding is a welding process, in which heat is generated by an electric arc struck between an electrode and the work piece.
2.	Which gas is used in TIG welding?	Argon gas is used for TIG welding.
3.	Enlist the advantages and disadvantages of TIG Welding?	Advantage of TIG welding  1. None use of Flux 2. Surface finish is good 3. Less ampere are used Disadvantage of TIG welding 1. Difficult to operate 2. Expensive 3. Slow speed process
4.	Name of the welding in which electrode are not consumed?	In Spot and Seam welding electrode are not consumed.
5.	Enlist any three methods of welding inspection?	Following are three methods of welding inspection.  1. Appearance Test 2. Dimension Test 3. Destructive Test
6.	Enlist any three types of joint in arc welding?	1. Tee Joint 2. Lap Joint 3. Butt Joint
7.	Which tip material used in TIG Welding?  a. Tungsten b. Copper c. Aluminum	a. Tungsten

Questi	on	Candid	late'	s answer
8.	Which gas is used in MIG welding?	C.	СО	2
a. b. c.	Helium Argon <b>CO</b> <sub>2</sub>			
9.	How much gap between object and electrode maintain in arc welding?		a.	1.5 mm to 3 mm
<b>a.</b> b. c. d.	1.5 mm to 3 mm 1.5 cm to 3 cm 4 mm to 8 mm 4 cm to 8 cm			
10	a) b)			Symbol a) denotes for Spot/projection welding Symbol b) denotes for Seam Welding

Title of Qualification:	CS Code:	Level:	Version:
National vocational certificate level-3 in Automotive parts production machine operator		3	1
Competency Standard Title:	Assessment D	oate (DD/MM/YY	·):
Apply thread rolling operations			

Guidance for	To complete your assessment for this Competency Standard, you need to answer the questions on the following pages successfully.
Candidate	

Candidate Details	Name:  Candidate Signature:	3
Written Assessment Outcome	COMPETENT  Name of the Assessor:  Signature of the Assessor:	NOT YET COMPETENT Assessor's code:

Title of Qualification:	CS Code:	Level:	Version:
National vocational certificate level-3 in Automotive parts production machine operator		3	1
Competency Standard Title:	Assessmen	t Date (DD/MI	M/YY):

Question Candidate's answer			
11. Define two standards of thread types?	British Standard     Metric Standard (ISO)		
12. What are the measuring methods of pitch thread?	Root to Root     Crest to Crest		
13. Enlist any three advantages of	Mass production		
	2. Smooth Surface		
thread rolling?	3. Size Consistency		
14. Enlist the any three techniques of	Through split die		
thread cutting?	<ul><li>2. Through lathe machine</li><li>3. Through thread rolling machine</li></ul>		
15. What is the abbreviation of ISO & BSI	International Standard Organization     British Standard International		
16. What is the major Diameter of M10 thread?	c) Diameter 10mm		
a) Diameter 9 mm b) Diameter 9.2 mm c) Diameter 10mm d) Diameter 11 mm			
17. What is the angle of acme thread?  a) 29° b) 39° c) 49° d) 59°	a) 29°		

Question	Candidate's answer
18. AISI 1040 material is used for high tensile bolt?  a) True b) False	a) True
19. What is the least count of analog vernier Caliper?  a) 0.05  b) 0.07  c) 0.09	a) 0.05 mm

Title of Qualification:	CS Code:	Level:	Version:
National vocational certificate level-3 in Automotive parts production machine operator		3	1
Competency Standard Title:	Assessment D	ate (DD/MM/YY	<b>')</b> :
Competency Standard Title: Perform vacuum forming operations	<b>Assessment D</b> 00/00/0000	oate (DD/MM/YY	():
		Pate (DD/MM/YY	r):

Guidance	To complete your assessment for this Competency Standard, you need to
for	answer the questions on the following pages successfully.
Candidate	

Candidate Details	Name:Registration/Roll Number:	
Written Assessment Outcome	COMPETENT  Name of the Assessor:  Signature of the Assessor:	NOT YET COMPETENT□ Assessor's code:

Title of Qualification:  National Vocational Certificate Level-3 in Automotive parts production machine operator	CS Code:	Level: 3	Version: 1
Competency Standard Title: Perform vacuum forming operations	Assessmen	nt Date (DD/M	M/YY):

Questi	on	Candidate's answer
1.	Enlist any three vacuum forming process defects?	Sharp Corner     Socking     Short Molding
2.	Enlist any five material used in vacuums forming?	<ol> <li>ABS</li> <li>Acrylic</li> <li>Poly Carbonate</li> <li>Poly styrene</li> <li>Polypropylene</li> </ol>
3.	Enlist the advantages of vacuum performing machine?	<ol> <li>Low Cost</li> <li>Flexible</li> <li>Low Tooling Cost</li> <li>Low mold maintenance</li> <li>Proto Typing</li> </ol>
4.	Define vacuum forming operation?	The vacuum forming operation is define, a sheet of plastic is heated to form by stretch and forced against the mould by a vacuum.
5.	Which is the common manufacturing method of vacuum mould?	Aluminum casting is a common manufacturing method of vacuum mould.
6.	Which of following is correct deformation temperature of poly carbonate?  a) 400 C°  b) 425 C°  c) 450 C°  d) 380 C°	c) 450 C°
7.	Can wood material is used as a part material in vacuum forming process?  a. True  b. False	b) False
8.	Abbreviation of ABS?  a) Acetylene butadiene styrene b) Acrylonitrile butadiene styrene c) Acrylonitrile butadiene surface	b) Acrylonitrile butadiene styrene

Question	Candidate's answer
9. What is the abbreviation of PPE's?	PPE is stand for Personal Protective Equipments
<ul><li>10. Vacuum forming mould has single half / side?</li><li>a. True</li><li>b. False</li></ul>	a) True

Title of Qualification:	CS Code:	Level:	Version:
National vocational certificate level-3 in Automotive parts production machine operator		3	1
Competency Standard Title:	Assessment D	oate (DD/MM/YY	<b>')</b> :
Competency Standard Title: Perform pressing operations	Assessment D 00/00/0000	Pate (DD/MM/YY	<b>()</b> :
		Pate (DD/MM/YY	'):

Guidance	To complete your assessment for this Competency Standard, you need to
for	answer the questions on the following pages successfully.
Candidate	

Candidate Details	Name:Registration/Roll Number:Candidate Signature:	
Written Assessment Outcome	COMPETENT  Name of the Assessor:  Signature of the Assessor:	NOT YET COMPETENT□ Assessor's code:

Title of Qualification:	CS Code:	Level:	Version:
National Vocational Certificate Level-3 in Automotive parts production machine operator		3	1
Competency Standard Title:	Assessmen	t Date (DD/MI	M/YY):
Competency Standard Title: Perform pressing operations	Assessmen	t Date (DD/MI	M/YY):
•	Assessmen	t Date (DD/MI	M/YY):

Question	Candidate's answer
11. Enlist the types of press machine?	Hydraulic Press Machine     Pneumatic Press Machine     Mechanical Press Machine
12. Enlist any five pre- operational checks?	<ol> <li>Check all electrical connections, mechanical fitting and joint.</li> <li>Inspect brake lines, hose pipes and fittings for dents, leaks, rust, crack and loose fittings.</li> <li>Ensure working of two hand operational button.</li> <li>Check brake fluid, hydraulic fluid.</li> <li>Check all limit switches.</li> </ol>
13. Name any 05 types of stamping dies in press machine?	<ol> <li>Blanking</li> <li>Notching</li> <li>Trimming</li> <li>Flanging</li> <li>Drawing</li> </ol>
14. Define the shut height of press machine?	The shut height of press machine is the distance between of top and bottom plates.
15. Define the use of checking fixture production operation.	Checking fixture is used as process inspection tool for the quick verification part fitment and dimensional verification.
<ol> <li>Enlist any three names of the defects that found on part during press operation.</li> </ol>	<ol> <li>Burs on sheet/part</li> <li>Wrinkle</li> <li>Cracks</li> </ol>
7. Forming dies are used in blanking and piercing operation. a. True b. False	b) False

Question	Candidate's answer
8. Shackle is the basic accessory is used during Loading/ Unloading die on press machine.  a. True  b. False	a) True
<ul> <li>9. The operation of flanging die is</li> <li>a) Cut the piece</li> <li>b) Bend the edges</li> <li>c) Draw</li> <li>d) Blanking</li> </ul>	b)Bend the edges
10. What is the purpose of double push button in the press machine?	For the safety of operator and minimize the injury during the press operation.  MCQ??

Title of Qualification:	CS Code:	Level:	Version:
National vocational certificate level-3 in Automotive parts production machine operator		3	1
Competency Standard Title:	Assessment D	ate (DD/MM/YY	·):
Competency Standard Title: Perform periodic operator maintenance	Assessment D 00/00/0000	ate (DD/MM/YY	):
		Pate (DD/MM/YY	):

Guidance	To complete your assessment for this Competency Standard, you need to
for	answer the questions on the following pages successfully.
Candidate	

Candidate Details	Name:Registration/Roll Number:Candidate Signature:	
Written Assessment Outcome	COMPETENT  Name of the Assessor:  Signature of the Assessor:	NOT YET COMPETENT□ Assessor's code:

Title of Qualification:  National Vocational Certificate Level-3 in Automotive parts production machine operator	CS Code:	Level:	Version:
Competency Standard Title: Perform periodic operator maintenance	Assessment Date (DD/MM/YY):		

Question	Candidate's answer
16. What are the three basic benefits of periodic maintenance?	Minimize hazards     Smooth production     Minimum short fall
17. Which are the basic routine maintenance of machines?	Cleaning     Lubricating     Greasing
18. Define the KIAZEN?	The term KAIZEN refers for the Continues improvement in work.
19. Enlist the any three types of maintenance?	Periodic maintenance     Shut down maintenance     Break down maintenance
5. What are the difference b/w periodic and break down maintenance?	Periodic maintenance is performed on as per schedule.     Break Down maintenance is performed on getting faults.
6. Name the three maintenance activity that is not included in periodic maintenance?	Oil Seale leakage     Bearing noise     Damage machine parts
7. Select the right tool to open the flange. a. Hammer b. Chisel c. Spanner d. Torque wrench	c) Spanner

Question	Candidate's answer		
8. Grease is used as lubricant in machine?	a) True		
a. True b. False			
9. The Faulty accessories (Fuse, Sensor, Relays, and Switch) are recommended to repair and refit again?	b) False		
a. True <b>b. False</b>			
10. Select the right abbreviation of OHSA?	a) Occupational Health and safety Administration.		
a) Occupational Health and safety Administration.			
b) Occupational Health and safety Association			
<ul> <li>c) Occupational Hazard and safety Administration.</li> </ul>			
<ul> <li>d) Occupational Health and safety Addition.</li> </ul>			

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