

MECHANICAL ENGINEERING TECHNICIANS AND THEIR SERVICES

Mechanical engineers and mechanical engineering technicians are in demand.

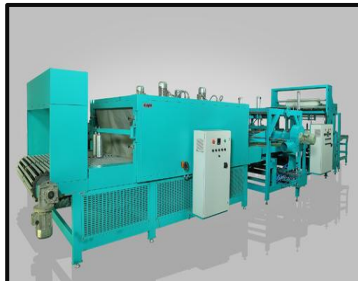
Where?

- in every kind of industry
- in all public services and utilities (e.g. telecommunications, electric power supply, transport, etc.)
- in space exploration
- in heating, refrigeration, ventilating and air-conditioning systems (installation and maintenance)



What they do:

- design, maintain and adjust engines for means of transport or the ones that run generators in power plants
- design, develop, install, operate and maintain thousands of machines
- design and construct tools
- design and build means of transport and vehicles (ships, freight and passenger trains, aeroplanes, cars, coaches, vans, lorries, tractors etc.)
- install lifts and escalators for vertical transportation in buildings



They can be specialized in:

- manufacturing, developing or installing refrigeration and ventilating systems for industrial purposes, buildings or means of transport
- developing or installing heating and air conditioning systems in building, plants, means of transport (to maintain the desired inside temperature under the most unfavourable weather conditions)

They must:

- be well trained and highly skilled,
- work with accuracy,
- use tools skillfully,
- have knowledge of Mathematics,
- be familiar with the properties of metals
- be able to read and produce drawings

Some well-paid jobs:

- bench and sheet-metal worker
- machinist
- CNC machine tool operator
- machine shop supervisor
- welder
- plumber
- car mechanic
- aircraft, ship engineer
- maintenance technicians
- installers of heating, refrigeration and air-conditioning systems



Connect the following pictures with mechanical engineering services:



ORBITZ
ELEVATORS
MOVING PEOPLE WITH PROFESSIONALISM

***** School Book**

Exercise 4 (page 23) - Exercise 7 (page 25)

Simple Present Tense

Affirmative	Interrogative	Negative
I work	Do I work?	I don't work
You work	Do you work?	You don't work
He works	Does he work?	He doesn't work
She works	Does she work?	She doesn't work
It Works	Does it Work?	It doesn't work
We work	Do we work?	We don't work
You work	Do you work?	You don't work
They work	Do they work?	They don't work

Present Simple Spelling Rules

Most verbs takes -s in the third person singular. (He/ She/ It)

1	- ss, -sh, -ch, -x, -o	→	-es	I miss- he misses I finish- he finishes I watch- he watches I mix- he mixes I go- he goes
2	a consonant + y	→	-ies	I study - he studies I cry- he cries
3	a vowel + y	→	-s	I play- he plays

Use it for ...

- * Facts.
- * Habitual actions.
- * Things that don't/won't change.
- * Describing yourself.

Signal words

Adverbs of frequency, like:

- * Often
- * Usually
- * Sometimes
- * Never

BUT REMEMBER *** The verb 'to be' is different ***

I + am (Australian.)
 He/she/it + is (clever.)

English grammar - VERBS

to be + ing (PRESENT CONTINUOUS)

	Positive	Negative	Question	Spelling guide for forming gerund (present participle):
I	I am walking.	I am not walking.	Am I walking?	go - going
You	You are walking.	You are not walking.	Are you walking?	do - doing
He	He is walking.	He is not walking.	Is he walking?	live - living
She	She is walking.	She is not walking.	Is she walking?	have - having
It	It is walking.	It is not walking.	Is it walking?	sleep - sleeping
We	We are walking.	We are not walking.	Are we walking?	slip - slipping
You	You are walking.	You are not walking.	Are you walking?	heat - heating
They	They are walking.	They are not walking.	Are they walking?	stop - stopping
				run - running
				lend - lending
				cry - crying
				play - playing
				lie - lying
				die - dying

Can you find another grammar rule with the same spelling rules?

Present Tense

Simple Present	Present Continuous
<ul style="list-style-type: none"> Use with "usually" or "sometimes" Use with stative verbs 	<ul style="list-style-type: none"> Use with "right now" or "today" Use with action verbs Use for things happening at the moment or in the future

ThoughtCo.

1. It's 10 o'clock on Monday morning in Atomic Ltd. In the Research and Development Department they are having (have) a meeting at the moment. Everybody who is involved in the new project (1) _____ (attend) it. At the moment Bob (2) _____ (present) his ideas. He has prepared an interesting PowerPoint presentation and while showing it, he (3) _____ (explain) several features. They (4) _____ (organise) such meetings every Monday morning. After these meetings, they all (5) _____ (return) to their desks where they continue with the tasks. In the production department the foreman (6) _____ (walk) around the production plant and (7) _____ (control) the process. He always (8) _____ (make) sure that things (9) _____ (not go) wrong as that (10) _____ (be) usually very costly. Outside, at the loading ramp a van is parked. Some workers (11) _____ (load) the truck with the faulty components they received yesterday. They (12) _____ (send) them back to the manufacturer.

2. I work (work) for an electric company, called New Electrics. It is located in Kent and it (1) _____ (supply) a lot of households with electricity. We also (2) _____ (provide) other services as we want to have satisfied customers. If something (3) _____ (break) somewhere in the system, we always (4) _____ (send) a specialist right away. If he (5) _____ (not know) what to do, another expert (6) _____ (come) and (7) _____ (have) a look at the fault or damage. We usually have most work after different kinds of storms when lines are broken and whole areas are left without electricity. That also happened last night when we had this huge storm so I really (8) _____ (not have) much time as I must rush off to help people in trouble.

3. Hello, I am Bob Livingston. I am (be) the Technical and Quality Manager at GBS in Berlin and I (1) _____ (work) within the Materials Testing Division which (2) _____ (make) equipment used by different companies. They use our equipment to test different properties of materials, such as strength, durability, softness, resilience and so on. GBS (3) _____ (employ) about 2,800 people and (4) _____ (be) a leading supplier of this type of equipment. I'm responsible for operations which (5) _____ (mean) that I'm in charge of Research & Development and Quality. If something (6) _____ (go) wrong, I'm the one who (7) _____ (have) to find a solution and who (8) _____ (provide) answers to the Board. Currently, we (7) _____ (work) with our new clients from Japan. They have just placed a huge order so we (9) _____ (have) some difficulties fulfilling it. We have called in all workers, also the ones taking a holiday so we can finish the work on schedule.