



Unit 13 Getting to know cutting and non-cutting operations

Solution: see Audioscript

Task 03. Fill in the missing words from the box.

difference – cutting operations – Cutting – non-cutting operations – chips – lapping – no chips – non-cutting – milling – water-jet cutting – cutting edges – scissoring – geometrically undefined

- Announcer: Listen to Lisa and Tim talking about cutting and non-cutting operations.
- Lisa: We're learning about so many different technical operations in vocational school at the moment.
- Tim: Yes, you're right! Take cutting operations, for instance, we've learned to separate them into two different processes. Do you remember what they are?
- Lisa: Easy! _____ and _____ operations.
- Tim: That's right. And do you know the _____ between these two?
- Lisa: Of course. ... Cutting operations produce _____ during the operation. Non-cutting operations don't.
- Tim: What different cutting operations do you know? Give me some examples.
- Lisa: Is this a test?
- Tim: No, not really. But I'm interested in how many different _____ you can list.
- Lisa: Ok, then. ... Drilling, _____, turning and sawing are cutting operations by using geometrically defined _____. Grinding and _____ are also cutting operations, but by using _____ cutting edges.
- Tim: Very impressive. I notice that you've paid attention in vocational school.
- Lisa: And what about you? What examples of _____ do you know? Let's hear from you now.



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Tim: That's easy. Stamping, _____ and punching are typical non-cutting operations. Furthermore, _____, laser-cutting and etching. _____ are produced during the operation.

Lisa: I see you've also been paying attention to your lessons in vocational school, Tim. Well done! By the way, I really love water-jet cutting ... would be great to learn more about it.