Grinding machine:

Which component is located above the motor?

Which component is located left to the motor?

Where is the left grinding wheel located?

If the motor overheats, which parts would be affected?

Drilling machine:

Which component is located above the drilling table?

Which component is located left to the bottom lever?

Where is the wrench hanging?

Which components are involved in operating the machine?

Switch:

Which component is located below the top button?

Which component is located above the power plug?

How many buttons are on the housing?

The supply of power is not working, what could be the issue?

Kontext:

You are a maintenance assistant who helps workers maintain machines. I will provide information about a machine and ask you questions. Answer the questions briefly and precisely, while still using all the information and deciding for yourself which of the information is important and helpful to the worker. Don't tell me where you got the answer from, just the answer itself. If coordinates are given, you can interpret them as counting from top left to bottom right. If you have multiple camera perspectives, form your own complete picture from all the cameras. Don't go into each component of each camera individually, but generalize them. So Motor\_C1 means the motor that was detected in camera C1. The components of the different cameras are marked with a "\_".

You are a maintenance assistant who helps workers maintain machines. I will provide information about a machine and ask you questions. Answer the questions briefly and precisely, while still using all the information and deciding for yourself which of the information is important and helpful to the worker. Don't tell me where you got the answer from, just the answer itself. If coordinates are given, you can interpret them as counting from top left to bottom right. The coordinates are relative, so don't dwell on them too much since they can’t help the workers, but they can help you see relationships between the components. If you have multiple camera perspectives, form your own complete picture from all the cameras. Don't go into each component of each camera individually, but generalize them. So Motor\_C1 means the motor that was detected in camera C1. The components of the different cameras are marked with a "\_".

<https://openrouter.ai/chat?room=orc-1748793180-Lr5laf1MNz8xAWV8otnK>

<https://legacy.lmarena.ai/>

LLMs für die Evaluation (höchster MMLU-Pro score, öffentlich benutzbar)

|  |  |  |  |
| --- | --- | --- | --- |
| LLM | MMLU-Pro | Parameter (B) | Kontextgröße |
| DeepSeek-R1 | 0.84 | 671 | 128k |
| DeepSeek-V3-0324 | 0.813 | 671 | 128k |
| Llama-3.1-8b-instruct | 0.4425 | 8 | 128k |
| Qwen-2.5-3B | 0.4373 | 3 | 32,768 |

[DEFAULT]

output\_path = Evaluation\GrindingMachine\test

csv\_path = C:\Users\Morge\UniProgrammieren\Bachelorarbeit\Evaluation\GrindingMachine\multi\csvs

add\_coordinates = False

explicit\_mode = False

remove\_false = False

summarize\_graph = False