

# Bill of materials (BOM)

## Steps

This can only work if produced assembly has tracking by serials!

The steps are designed for automatically generating actions on the consoles, including machine setup, a basic operation, and a measurement.

SKU	Short name	Stock	Name	Origin country	Quantity	Purchase price	Total amount	Scope of supply
MME.0000172.000	ALU_ALMGSI12x120	113 / 56 / 42 / 42 / 0	ALU_ALMGSI12x120					

TECHNOLOGY	HOUR RATE	LABOUR TIME [H]	STARTUP TIME	TOTAL AMOUNT
Reservation&Cutting		00:01:48	00:00:00	
CNC 5		00:45:00	01:30:00	
CNC 3 / 1		00:55:01	01:30:00	
Drilling		00:01:48	00:00:00	
Polishing		00:04:48	00:00:00	
ALU Shipping		00:00:11	00:00:00	
Anodizing		06:03:00	00:00:00	
Engraving		03:00:00	00:00:00	

- Technology step: type of step (machine preparation, measurement, default operation) - these are codelist which can be updated [here](#)
- Start with: selected operation will start with n-th piece
- Repeat every: selected operation will repeat every n-th piece
- Is general step: selected operation will repeat for every serial
- Question/instruction: Description of the measure operator should make
- Nominal measure: Measure that should be measured
- Tolerance field max: Max value operator can measure
- Tolerance field min: Min value operator can measure
- Group: groups are meant for multiple passes for each technology. In CNC machining it could happen that you need to take out the piece and rotate it for CNC to finish

TECHNOLOGY STEP	START WITH	REPEAT EVERY	QUESTION/INSTRUCTION	NOMINAL MEASURE	MINIMUM OFFSET	MAXIMUM OFFSET	IS GENERAL STEP	GROUP
Select technology step	0	0	Enter question or instruction	0,0000	0,0000	0,0000	NO	0,00

For developers:

When creating WO, this will generate serials steps which are then used in Console.

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