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Physical test sampling with modular and COTS manipulator

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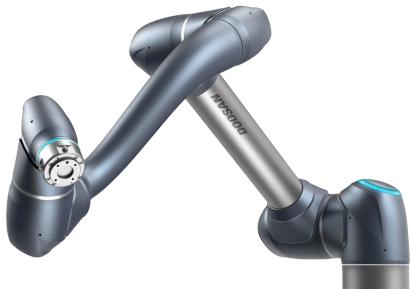
COTS manipulators



Universal Robots



Universal Robots



Doosan



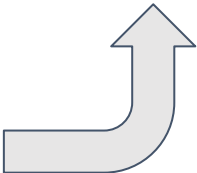
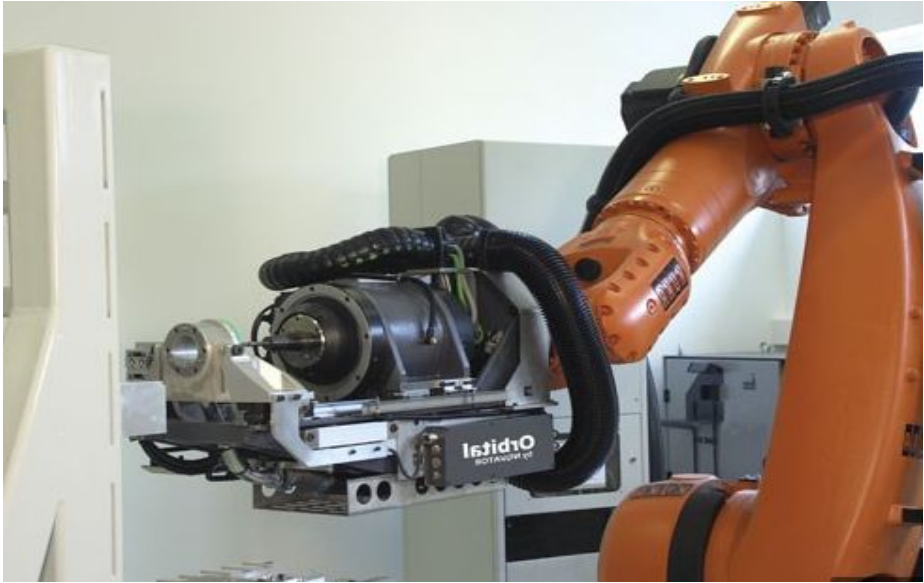
Tools - adapted and developed

Existing tools designed for human manipulation



Adaption

Adapted for robot arm with improvements

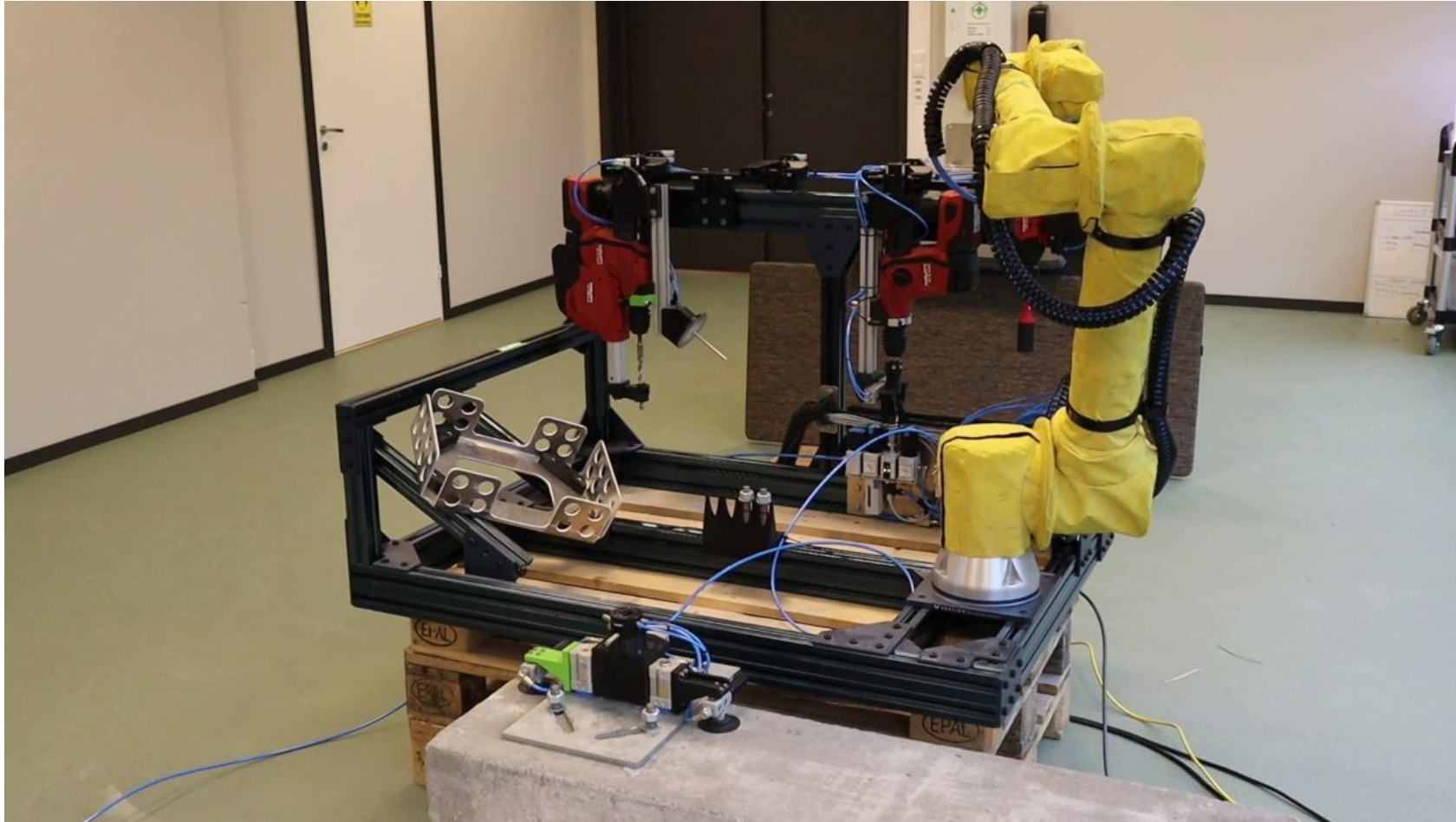


Custom tools developed specifically for robot manipulation

VS



Example of multi-tool use-case



What tools should be put to use?



Example : Laser vapor sampling

