

Chystat, Dfview, AMU

Digitising over 3,000 measurements a day saves 1 tonne of paper a year; digitising production documentation and online procurement for maintenance.

Production management in the hall

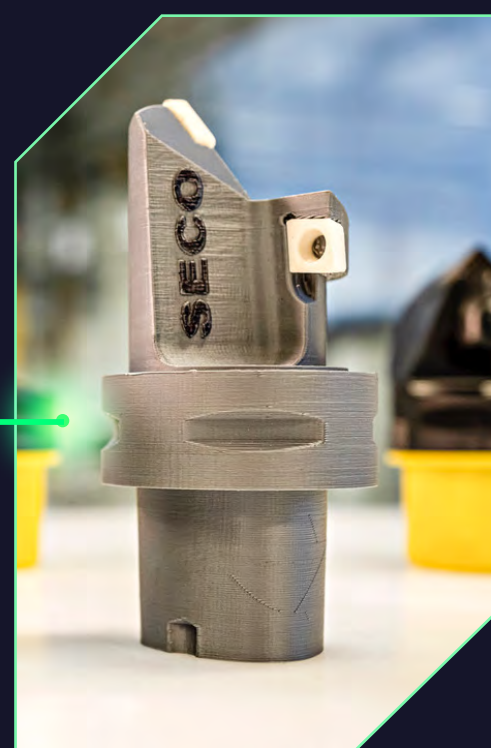
Visualising processes allows all levels of management – from line supervisors to plant management – to respond flexibly.

Data collection from machines

Uploading data from machines increases production management efficiency.

3D printing of prototypes

Preparing tool mock-ups on 3D printers makes producing the final tool significantly quicker, cheaper and more accurate.



Autonomous conveyors

Transport robots like Omron can transport material to the required location autonomously, increasing productivity.

Automatic ordering

Automatically ordering parts and materials to where they are needed speeds up logistics and increases productivity.

Automatically ordering sealants and oils

Sensors monitoring operating substances automatically transmit information to the logistics systems to maintain optimal levels.

Wheel machining automation

Ergonomically challenging basket loading into the washer uses camera-guided robots or ultrasonic sensors.

Digital twin

Digitally simulating the layout of robots before they are installed on the line shortens project lead times.

Robotised workplaces with 3D sensors

Ergonomically demanding manual work is gradually being eliminated, with humans performing more precise tasks.



Cooperating robot

Automatically loading shift pistons into mechatronics and handling blisters increases accuracy and safety.

ŠKODA AUTO MAKES EXTENSIVE USE OF CUTTING-EDGE INDUSTRY 4.0 TECHNOLOGIES IN VRCHLABÍ

TECHNOLOGIES HELP TO STREAMLINE PRODUCTION AND CONTRIBUTE TO CARBON NEUTRALITY

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Automatic handling

Automatically loading forgings onto the conveyor and subsequently unloading finished parts streamlines production.

