

GUNT DigiSkills

Preventive maintenance in production: Replacing a gearbox

Skill Level	1	2	3	4	5
	■	■	■	■	■

The digitalisation in the world of work – new requirements for education

Designing training in industrial metal-working and electrical professions

Standard learning objectives from units of qualifications in industrial mechanics

- fabricate structural elements with hand-held tools or with machines
- manufacture simple assemblies
- manufacture, commission and repair of technical systems
- maintenance of technical systems

New learning objectives concerning Digitalisation of Work

- use standard business software, e.g. ERP, CAD, CAM
- convert data
- use digital technologies and work tools, e.g. LAN/WLAN, QR code, RFID, Bluetooth
- Computer Based Training (CBT) and Web Based Training (WBT)
- work with mobile devices
- augmented reality
- virtual reality
- condition monitoring

All of these learning objectives can be accessed and achieved with the GUNT DigiSkills concept.

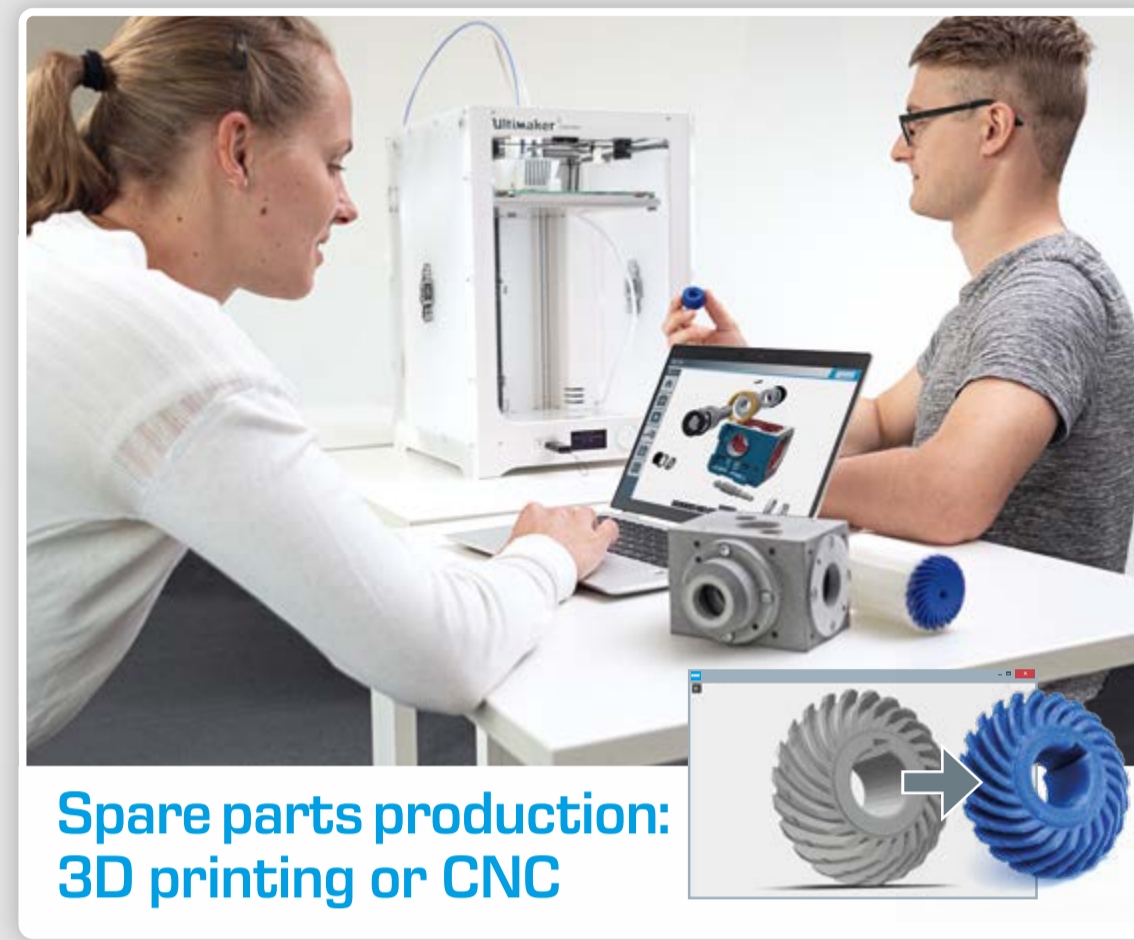


Didactic concept GUNT DigiSkills 3

Planning education elements and teaching sequences for a complex learning project



Disassembly of the gearbox



Spare parts production: 3D printing or CNC



Assembly of the gearbox



Functional test for quality assurance



Removing the gearbox



Maintenance reporting



the MT174 Sorting plant is used as the industrial plant

How to achieve the digital transformation to Industry 4.0