NEXUSTEC

MANUAL WORK complies with INDUSTRY 4.0 paradigms









EXECUTIVE SUMMARY



Nexustec brings manual work into Industry4.0

- First-time-right-production & higher added value
- Process control & assurance of manual work
- Automated data generation for ERP/MES
- Strong tool for Industry4.0-initiatives
- ROI per working station within 12 months

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"Humans are, and will remain, integral to the manufacturing process." 72% of tasks in the factory are performed by humans." (A.T.Kearney)

=> This is achieved by camera- & machine learning-based software:



WHO ARE WE, WHAT'S OUR CAPABILITY?

Strong know-how for product development in:

- software development
- vision technology
- industrial production

Whole team is located and works in Munich **NEXUSTEC GmbH has a certified QM according to ISO9001:2015** Several projects especially in the automotive industry (Tier n, OEM):



Since 2023 enlarged focus on other industries like machine builders and medtech:



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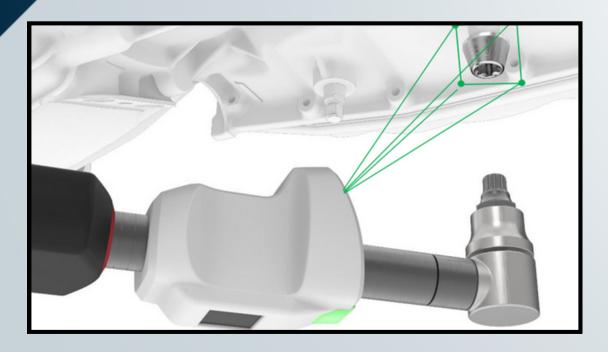


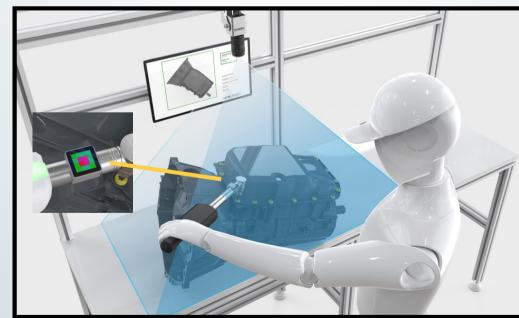


CTRIMIT OUR VALUE PROPOSITION

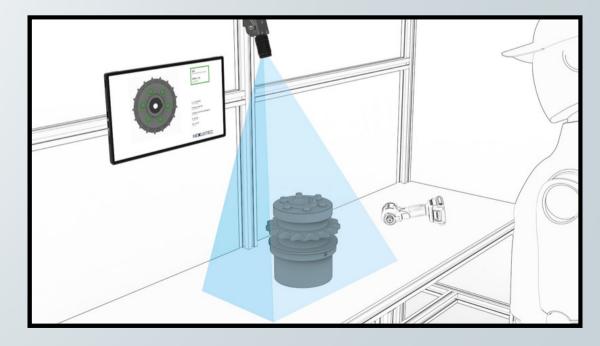
- **Digitizing tool** for **manual processes** in all fields of industrial manufacturing
- Manual work becomes part of industry 4.0 paradigms

- <u>A.T.Kearney Survey:</u>
 The human touch: still crucial in manufacturing
- 72% of tasks in the factory are performed by humans



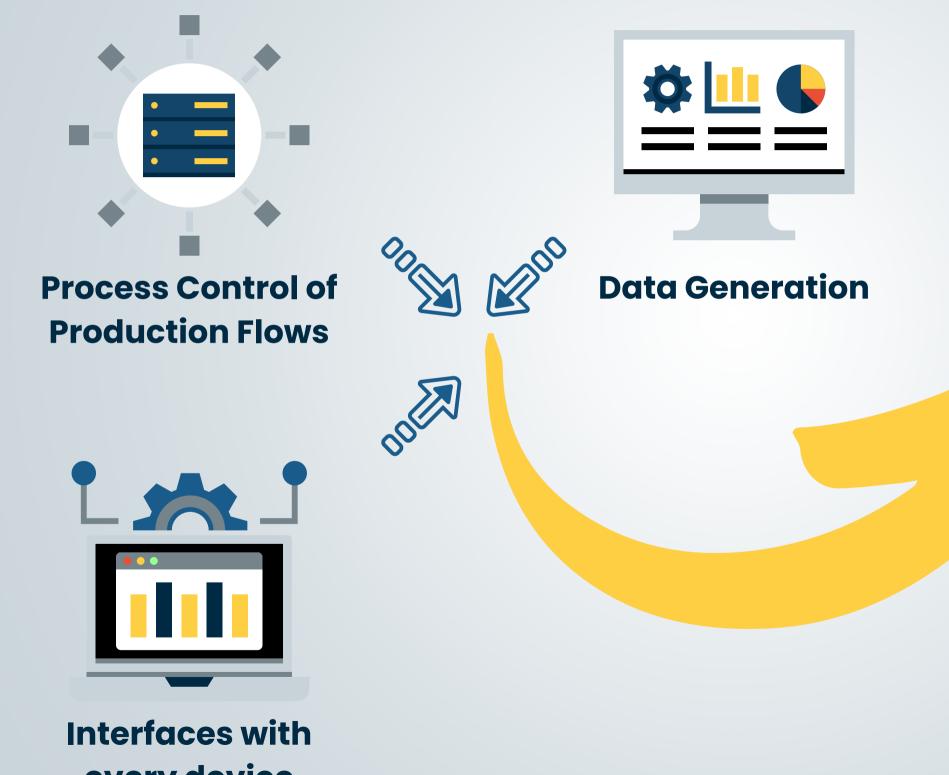












every device

BASE FOR IIOT

(Industrial Internet of Things)

- Smart Manufacturing
- Process optimization
- Smart Supply Chain
- Traceability
- Blockchain

NEXUSTEC

EVALUATE: BENEFITS FOR YOUR PRODUCTION BY ASSISTED WORK



 Detection of correct assembly work flow





 Check of manual work

No scrap, no faulty production, no rework, no follow-up inspection, ...

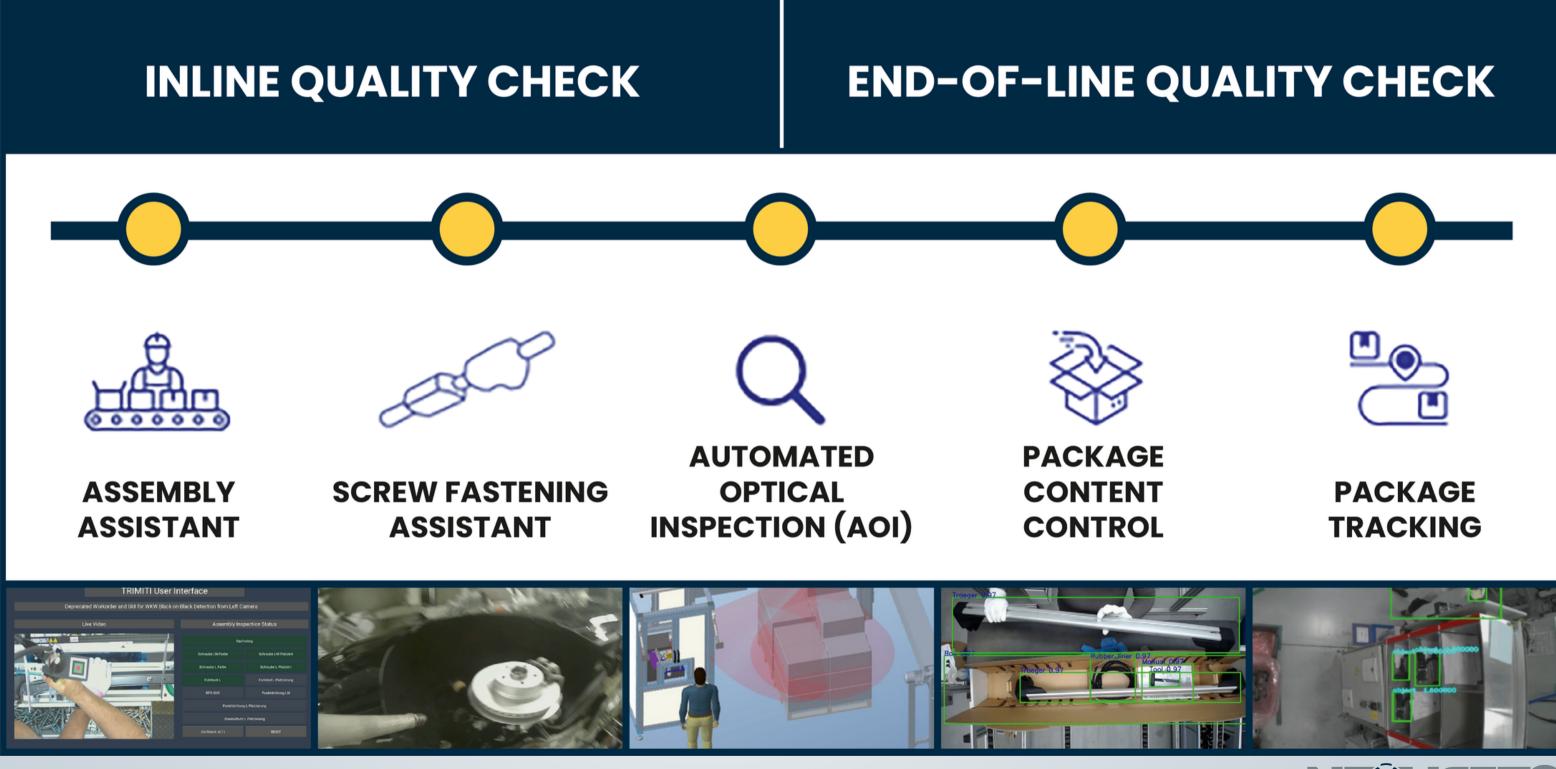


• Guided training on the product



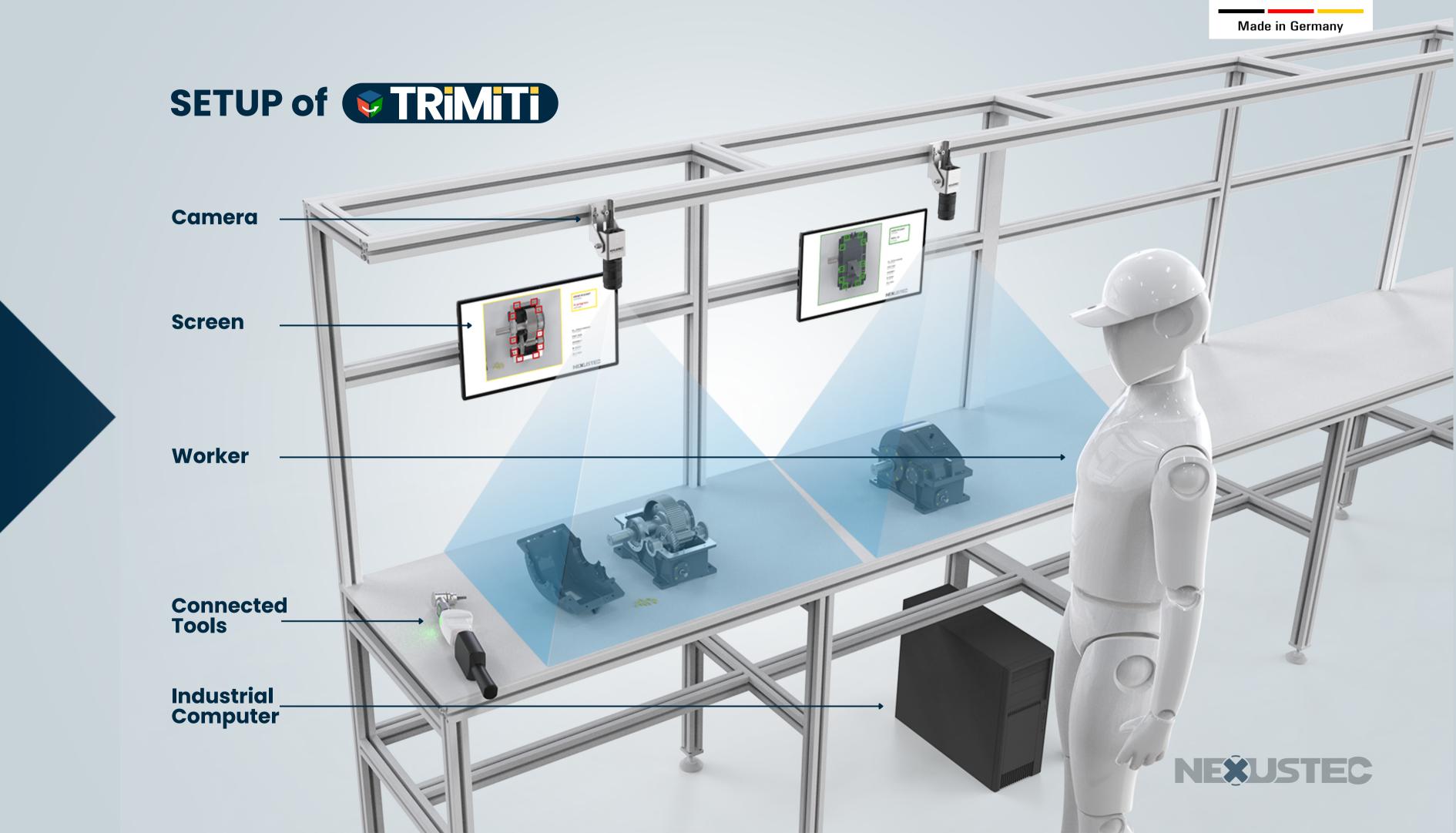


VIR MID APPLICATIONS & PROJECT EXAMPLES

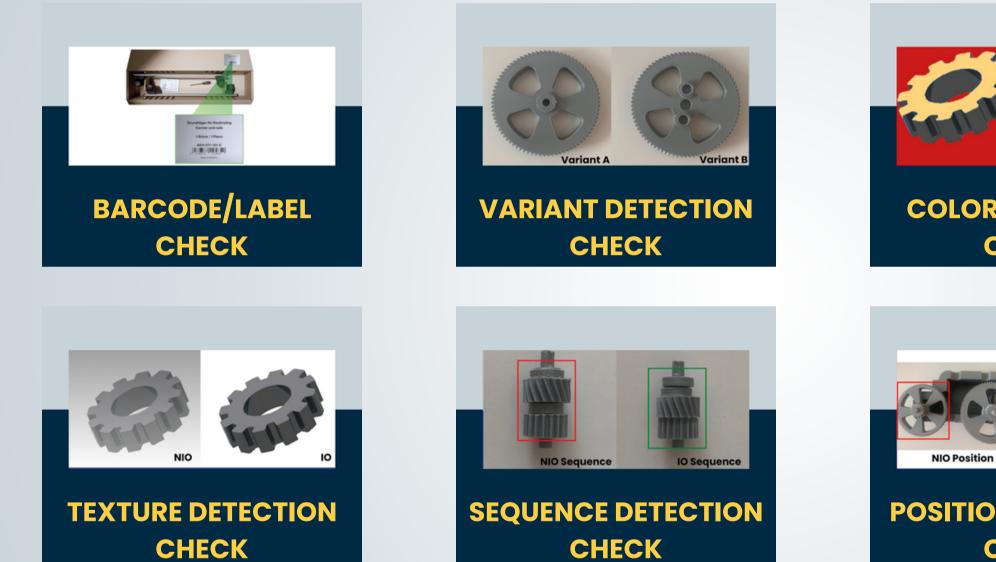


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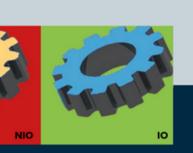




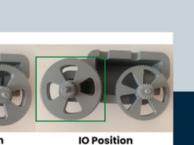




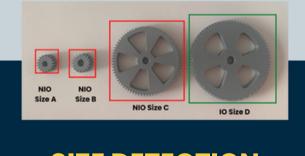




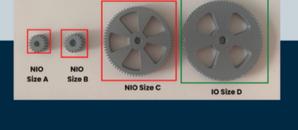




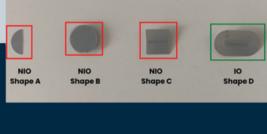


















CUSTOMER PRODUCTS

Software characteristics

- Software meets particular customer needs
- Very flexible configurability
- Modular setup allows customized applications
- Deployed versions **easily to be updated** with latest features

	PRODUCTS	INLINE QUALITY CHECK			END-OF-LINE QUALITY CHECK		
FEAT	URES	ASSEMBLY	SCREW FASTENING ASSISTANT			PACKAGE CONTENT CONTROL	PACKAGE TRACKING
Ø	Color check						
o₫	Shape check						
\square	Size check						
<u>ُ</u>	Position check						
^c	Variant check						
\$	Tool calibration check						
	Screw fastening position check						
123	Sequence check						
~	Tool verification						
j	Smart tool integration						
⋳	Tool un-/lock function						
juud)	Barcode / Label check						
USED	MACHINE LEARNING						
OGIES	DEEP LEARNING						
AI TECHNOLOGIES USED	DATA ANALYTICS						
AI TE	MACHINE VISION						



SENSITIVE DATA AND GDPR



- Data is stored on an industrial computer at customer side
- Software ensures personal data protection & no data storage needed
- Focus on production flows, employees are out of scope



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Thank you!



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