NeuroCheck inspects in multi-instances

Nowadays, because of cost requirements, it is next to impossible to have every single manufactured part inspected manually. Manual inspection is never reliably consistent resulting in mistakes. In addition, production often requires short cycle times making the use of powerful image processing solutions indispensable.

NeuroCheck allows for fast and contactless inspection of many features simultaneously that are necessary for a quality assessment or for further processing of results within the production process. For every inspection task, one NeuroCheck installation on one computer is used to run the inspection program and handle communication with the machine control system.

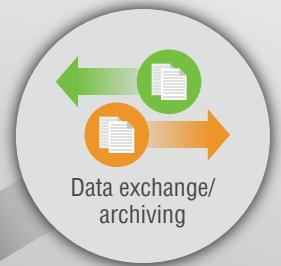However, what happens on the productions line if several inspection tasks need to be handled simultaneously?

www.neurocheck.com

NEURO CHECK

Industrial Vision Systems

Multi-camera
inspection systems

Multi-camera
inspection systems

Robotics
inspection tasks

Data exchange/
archiving

Multi-Instances

NeuroCheck
inspection computer

NeuroCheck multi-instances - Functional principle

While it used to be necessary to have one computer and NeuroCheck license (instance) for every inspection station, nowadays one master control computer operates several completely independent NeuroCheck inspection applications (multiple instances). Different check routines run independently and simultaneously with just one NeuroCheck license. The various evaluations can be visualized simultaneously on the screen. Thus, operating personnel has an overview of the entire production process at any time and is quick to identify an "NOK".

An independent NeuroCheck instance can also be used to isolate cycle-time-critical inspection processes from additional data exchange or data archiving tasks. Integrating robot applications, robot control and parallel evaluation of inspection images can be done in multiple instance mode.

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