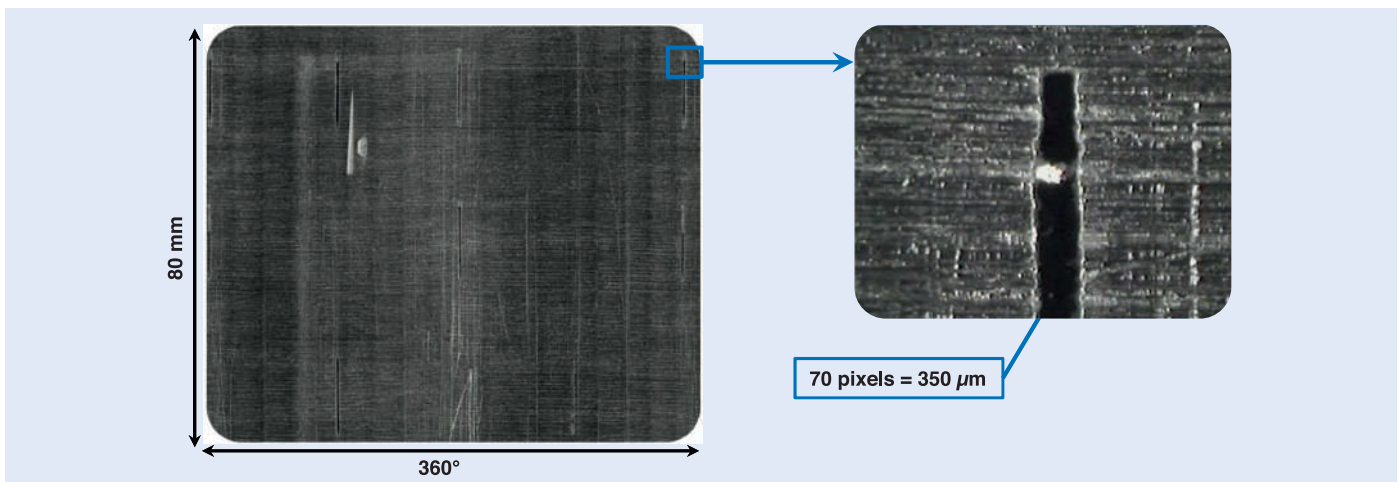


STITCHING SOFTWARE (VT)

Software program for reconstruction and restitution of a panoramic image using videos from a televisual inspection.

Making Televisual Inspection Reliable and Simple



Why?

Standard analysis of televisual data is performed by observing on a screen a very small size zone, about a few mm², searching for indications of even smaller size, such as surface cracks, some micrometers wide.

Even when inspecting a small surface area, images scrolling during several hours may be produced, forcing the analyst to remain constantly concentrated to guarantee the detection sensitivity.

To enhance reliability and to speed up the inspection, INTERCONTROLE developed and patented a software program allowing the movie acquired to “be unfolded” without sensitivity loss in a very large-size and unique image, on which it is possible to move and to zoom, in the same manner as in Google Maps

It is also easy to size indications and to extract images of these indications whatever be their size and their position in reconstituted image.

INPUT VIDEO FORMAT	
On recorded data	With compressed data format
AVI	H.264
MKV	VFW
MJPEG	ffdshow
MP4	
.....	

OUTPUT IMAGES FORMAT		
PNG	JPEG	BMP

Advantages

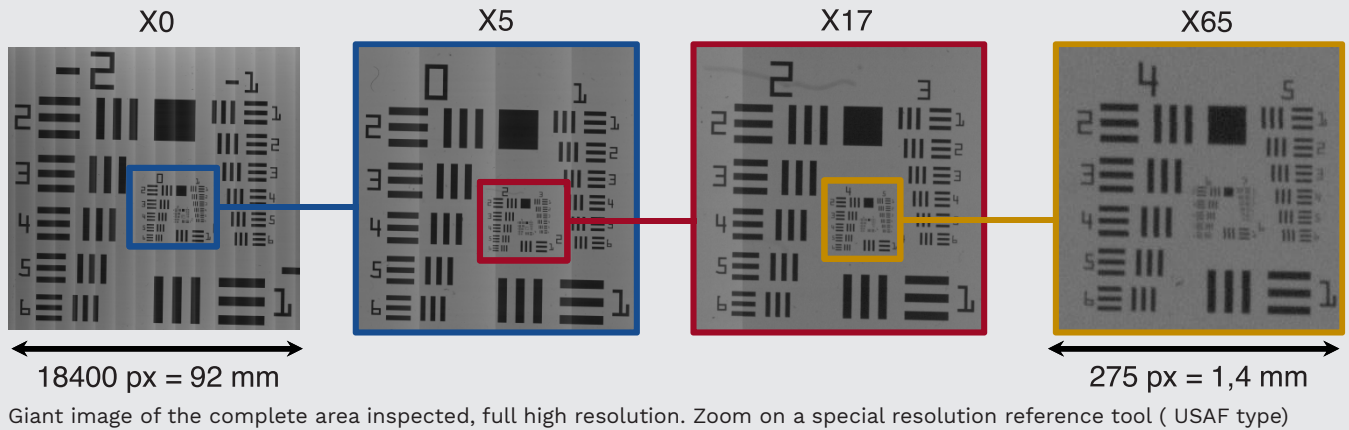
- Creation of a unique C-Scan image corresponding to the complete area inspected
- Conservation of the qualified performances
- Drastic reduction of analysis duration
- High Quality image (suppression of distortion and aberrations)
- Decreased size of the data storage file
- Fully compatible with mechanized/automated inspection
- Upgradable by available software options (Automatic Evaluation, real time data acquisition)

Characteristics

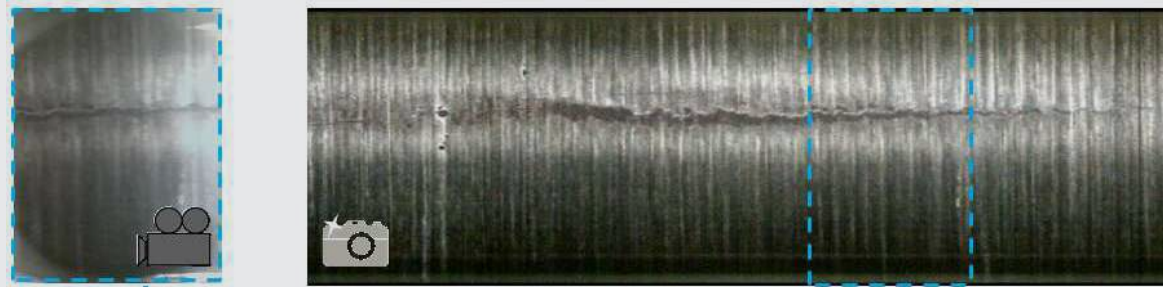
- Reconstruction without any loss of data and resolution
- Analysis tools available (zoom, distance measurement, inspection report print-out)
- Compatible with many video formats (plugin system - H.264, MJPEG, MPEG, AVI...)
- Easy and intuitive MMI
- I/O File size up to 4 G bytes

Your performance,
is our everyday commitment

Some examples of NDT applications

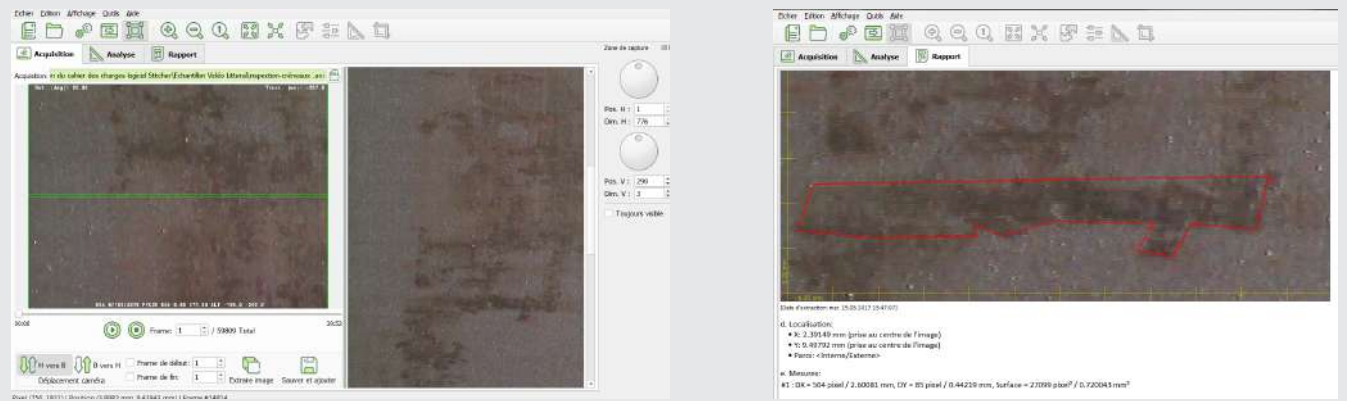


Giant image of the complete area inspected, full high resolution. Zoom on a special resolution reference tool (USAF type)



Reconstruction of an indication with the Stitching image processing tools: suppression of distortions, ROI application and contrast enhancement

An intuitive MMI, a unique High Resolution image, High performance evaluation tools available



Installation - Implementation - Update

- Supply of a user software licence
- Auto installation Software
- Supply with a USB Security Dongle
- Easy software update by single Dongle exchange
- User manual integrated in the software

Options (2017- 2018):
Automatic Defect Recognition, Support for final inspection diagnosis
Real time acquisition and direct image reconstruction
Help functions for setting-up inspection parameters

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