

Easy to use ultrasound detection of hidden chambers inside the body



It is always a fascinating question in casting industries, whether or not the cast chambers, such as the oil and water jackets in cylinder heads have been cast correctly? Is there any obstruction or is the whole chamber missing? Or even to the contrary: is there a cave, where it might not to be?

Do not incur the customers' objection. Be sure about that all parts were manufactured correctly and there was no chance for faulty pieces to leave the gate of your factory!

Our **DIGITARGOS ULTRASOUND CHECKER** helps you to do that.



Sensor over the area, where chamber was suspected



The ultrasound sensor with water based jelly

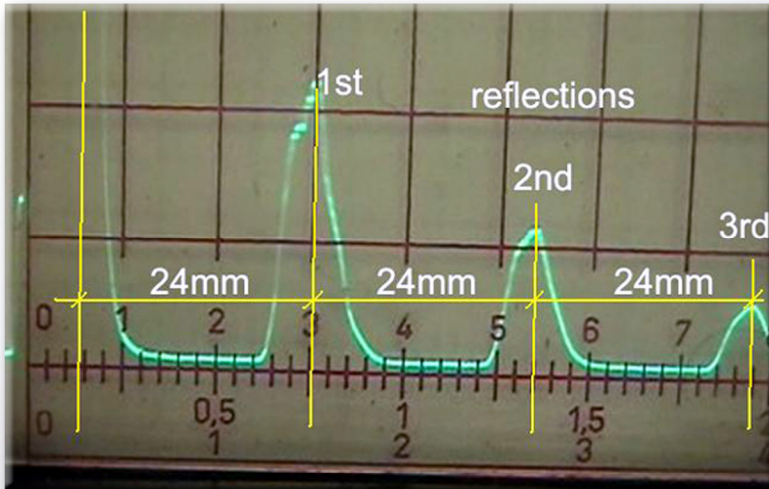
The reflections can be evaluated by the Digitargos software easily

Exchange the extremely expensive X-ray technology for much more cost-efficient ultrasound technology, where applicable!

The ultrasound technology is simple to use and simple to interpret. It can be easily automated and inserted directly into the production. Its produced sign is evaluable with **DIGITARGOS** data sampling and data base manager software developed by **Digitargos**.

Thus you can follow up and check the quality yield of the production from your working station real-time.

Just place the sensor over the area, where the hidden chamber suspected to exist. And watch the outcoming curves. The multi-reflected ultrasound tells you where the boundary between two materials of different densities is.



For the better transmission of the ultrasound to and back from the body, we deploy water-based jelly. It dries out within some seconds and can be removed easily from the surface. The dry jelly does not harm the tools of the further machining.

Reference video clip:

www.digitargos.eu/magyar/dhc.html