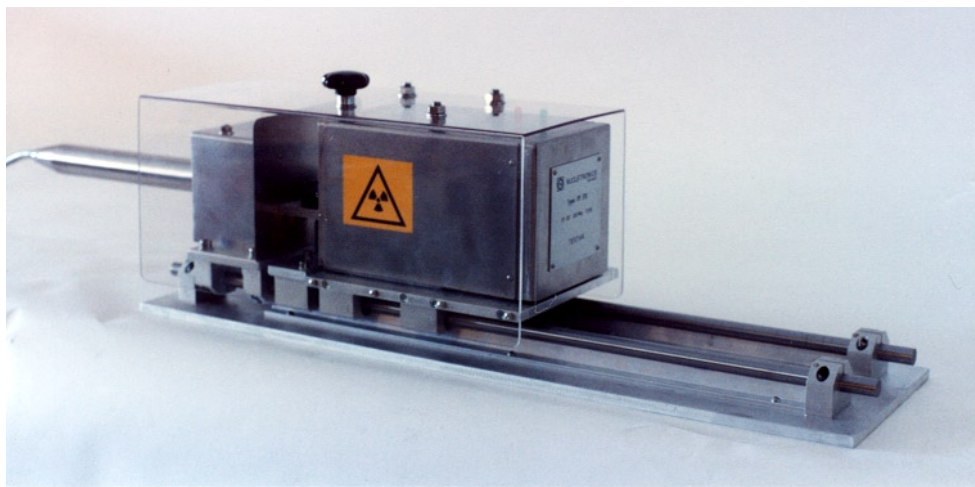
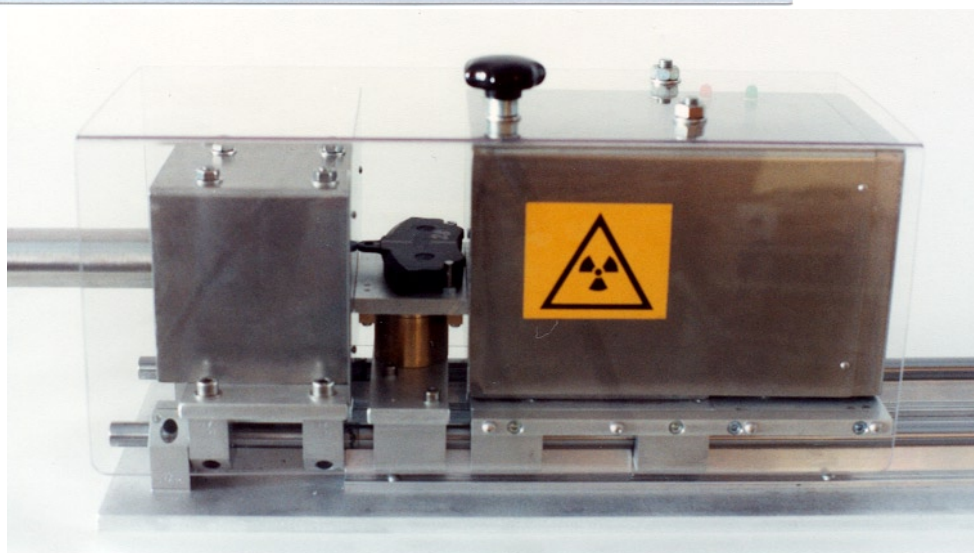


NON - DESTRUCTIVE TEST OF BRAKE PADS

Density measurements with an accuracy of about 1% of the density



Probe type IPT 510



Probe with brake
block placed in
measuring place

The measuring is based on radiation from Cs-137 sources. The radiation is collimated into a gap which is approximately 13 mm broad and 3 mm high.

The radiation penetrates the covering of the brake pad and continues through a collimator to the detector.

The detector consists of a high sensitive scintillation detector which transmits the signal to the measuring computer.

This probe is based on manual test in a laboratory or beside the production line. The measuring time for each measuring is approximately 10 seconds. It is also possible to make a probe measuring on-line for certain types of brake pads.

The instrument is a computer with special hard-ware and one computer can be coupled to more probes. For each probe a little box is controlling the source on/off with a push button to start the measurement. All measured data will be stored in an ASCII-file.



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