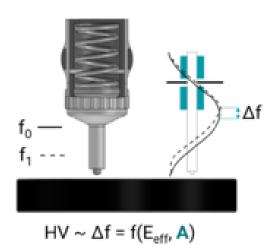
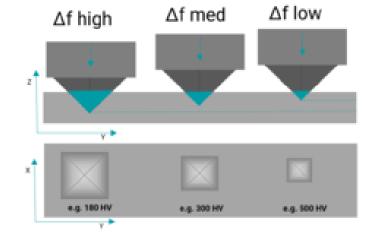


$$HV \, = \frac{F}{A} = 0.1891 \, \cdot \frac{F}{d^2}$$

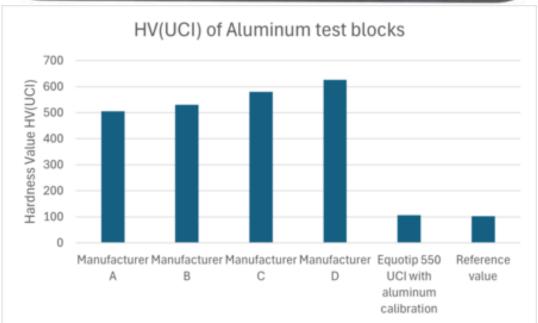




	Stationary (bench top) Vickers	Ultrasonic Contact Impedance
Indenter	Pyramid 136° indenter	Pyramid 136° indenter
Test load	HV1-HV100	HV0.1-HV10
Load application time	10-15s	0.5-2s
Scale	e.g. HV5	e.g. HV5 (UCI)
Computation	HV=F/A	$HV \sim \Delta f = f(E_{eff}, A)$
Material dependendy	Material-Independent	Material-Dependent!











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