Vickers microhardness tester

Hardness is a characteristic of a material, not a fundamental physical property. It is defined as the resistance to indentation, and it is determined by measuring the permanent depth of the indentation. More simply put, when using a fixed force (load) and a given indenter, the smaller the indentation, the harder the material.

The Vickers hardness test method, also referred to as a microhardness test method, is mostly used for small parts, thin sections, or case depth work

Instrument Details	
Model	Future tech Vickers Microhardness Tester, FM-800 Type-E
Load Range	1,3,5,10,25,50,100,300,500,1000 gms
Indenter	Vicker Indenter
Indentation time	7 seconds

Applications:

- Testing very thin materials like foils or measuring the surface of a part, small parts or small areas.
- Measuring individual microstructures.
- Measuring the depth of case hardening by sectioning a part and making a series of indentations to describe a profile of the change in hardness.


FM-800
lenovo