



# D-160 Handheld Homogenizer

The D 160 is a rotor/stator type hand held tissue homogenizer which can rapidly dispersing, homogenizing, extractions, cell disruption, mixing, emulsifying, suspending samples in 0.1 - 5 ml of liquid or 1-250ml depending on the dispersing shaft. During operation, the suspended material is drawn into the core of the homogenizer by a rotor turning at up to 30,000 rpm.

The material is repeatedly cycled through narrow slits in the stator where it is rapidly sheared and disintegrated by high shear mechanical action. Complete homogenization of tissues (muscle, liver, breast tissue, etc.) is usually achieved in a few seconds. Little, if any, heat is produced during the process

## ◆ Features

- Easy to hold and light weight for one hand operation
- Sample Volume Range: 0.1-50 ml or 1-250ml
- Autoclavable 316 L stainless steel shafts, inert to aggressive solutions
- All shafts are interchangeable shafts and are easily removed for cleanup
- High speed motor. Speed control from 8,000 to 30,000 rpm

