

**Product Code . JL-TOMLE-10020**

## Lathe Tool



### Description

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#### Lathe Tool

This is a strain gauge type two component lathe tool dynamometer designed to measure vertical and horizontal forces on the while orthogonal cutting process.

The unit is in two parts one is mechanical sensing unit or tool holder, which can mounted on the top of the Ross slide after removing swivel base and compound slide of a lathe and digital force indicator.

With this Dynamometer student can study the change in these forces by varying Speed, Cut and Feed.

#### Features:-

Rigid in construction

Sensitive transuding and amplifying system for accuracy in force measurement.

Compact Digital force indicator.

Use of cutting fluid during operation is possible.

#### Scope of Supply:-

Mechanical sensing unit or Tool Holder with string gauges.

With H.S.S. tool of  $\frac{1}{2}$  " size.

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Control panel housing digital force indicator to measure two forces simultaneously, balancing potentiometers, connecting cable.

Necessary switches, fuses and polycarbonate front plate.

**Range 0 to 500 Kg.**

Centre Height, P.C.D. of clamping bolt size, clamping Bolt size.

Three component lathe tool dynamometer is also available.

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