

NEW

BSE 90

IN-CYCLE PARTS BALANCING UNIT ON LATHES.

FEATURES

Sense of the vibration caused by the rotation of the chuck / part.

Measurement of the unbalance on one or two planes.

Determination of the correction necessary to reduce the level of unbalance within the permissible tolerance

*) , taking also into account a possible systematic source of unbalance introduced during the operation of the part.

*) Value subject to the mechanical quality of the part and to the structure of the machine tool.

Communication to the CNC of the following data:

- Value and angular position of the unbalance.
- Removal polar coordinates.

Digital I/O for the connection to the CNC.
RS 232 serial interface for remote programming and data up/download.

Software running on PC-CNC for:

- Calibration
- Part programs management
- Measures visualization

Options:

- Statistics
- Teleservice

The supply includes:

- The electronics BSE 90
- The vibration transducer(s)
- The HMI SW package

ADVANTAGES

With one part positioning on the machine tool the piece is turned and balanced. Improved work load allocation thanks to the presence on the same machine of both the turning and balancing functions. Measurement and correction of the unbalance.

Optimal correction of the unbalance obtained by mass removal through the technology of the machine tool.
100% parts inspection.
Scrap segregation.

Reduced scrap thanks to the statistical control of the process.
Reduced machine downtime thanks to the teleservice.

