

3D MULTIFLEX



Machine for:

- **MEASURING**
- ***DIGITIZING (REVERSE ENGINEERING)***
- ***LIGHT MILLING***

One Machine For Three Jobs

MEASURING:

The machine measures in CNC mode with probes point /point or continuous with or without contact with powerfull software for geometric elements and or data CAD
Differents Cad data formats available

DIGITIZING (REVERSE ENGINEERING):

The machine digitizes in continuous mode with or without contact. Generation of clouds of points to export to a CAD sistem for reverse engineering. Data processing: export STL tool paths for the generation of milling part programs (CAM)

LIGHT MILLING:

From the tool path, generation of milling part program . CNC milling with electric spindle of varied material like foam polyeurethan,foam polystirene, clay etc.

Horizontal arm machine, open structure on all the sides –high performance standards. Single or double arm configuration . The system permits the separate or simultaneous running of the two machines in the 3 different jobs.

Sliding of the axes by selected high precision bearings.

All the guides are covered and protected for a suitable use in workshop..

The longitudinal axis “X” can slide on an indipendent rail way or on a part of the area of the same surface plate where is located the work piece that must be inspected. No limit in the measuring range of “X” axis.

MEASURING RANGE:

Axis "X" on request

Axis "Y" 1400 -1500-1600- 1800 mm.

Axis "Z" 2000-2200- 2500 -3000 mm.

Accuracy for axis : $G/U1 = (20 + 20L*/1000) \mu\text{m}$.

Volumetric accuracy: $M/U3 = (25 + 30L*/1000) \mu\text{m}$.

For models until $y = 1600$ and $Z = 2500$

Accuracy for axis : $G/U1 = (35 + 35L*/1000) \mu\text{m}$.

Volumetric accuracy: $M/U3 = (50 + 40L*/1000) \mu\text{m}$.

For models more of 1600 e Z more of 2500mm.

* L = mm.