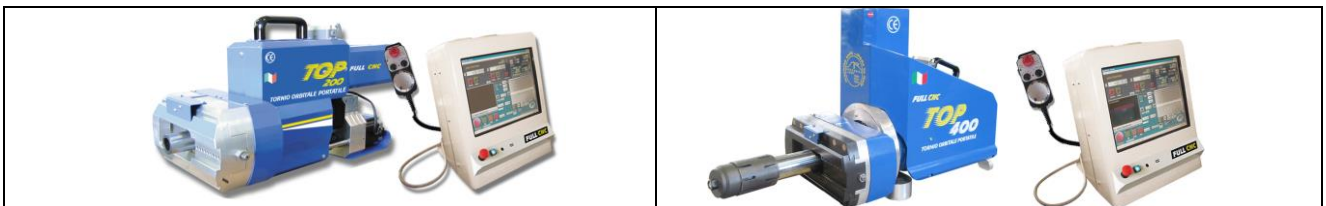


Subject:

TOP 200 and TOP 400: Full CNC Portable Orbital Lathe

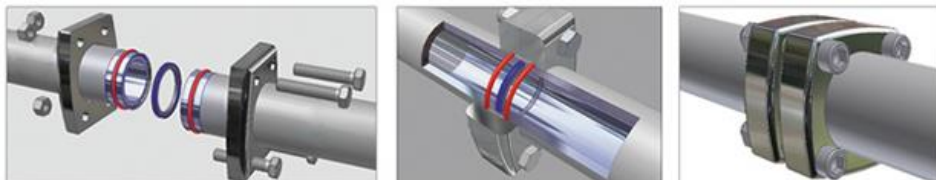
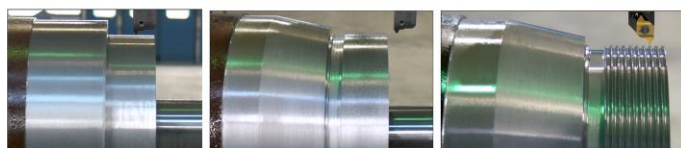
For "on-site" turning with extreme precision (completely run by a CNC controller), on faces and extreme internal and/or external cylindrical surfaces, of fixed tubular bodies which are immovable or impossible to rotate.



FAST SELF-CENTERING system

What it does:

- Straight line and/or curved - internal and/or external interpolations.
- Standard and/or tapered threading.
- Simple and/or profile facing.
- Multilevel cylindrical grooves.



Application

The TOP200 and TOP400 can turn out very useful in all the technological and plant sectors, where there are fixed and immovable elements and tubular bodies of all kinds, that must be repaired, engaged, modified..... with reduced or dangerous working space.

For example, it is possible to carry out:

Profiling and/or flanging of ends on which particular fittings must be inserted.

Creation of multilevel grooves for connections to devices.

Creation of threading for precision components (for liquids or gas) of varied types.

ADVANTAGES

PORTABLE

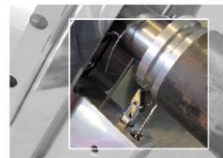
The traditional lathes are very cumbersome and cannot be moved from where they have been installed, therefore the piece to be machined must be taken to the machine and fastened; with the TOP400 it is the machine that is taken and fastened onto the piece to be worked on.

The TOP200 and TOP400, occupies little space, especially where the machining takes place.



ORBITAL

In the traditional lathes, the cutting movement is given by the rotation of the piece; in the TOP400 it is generated by the machine



FASTENING AND SELF-CENTRING

The machine is installed on the tubular bodies, through an internal self-centring system at expansion appropriately conceived.



Full CNC

The machine as well as the processes and parameters of machining are completely run and controlled by the computer.

The control panel is made up of one single body, allowing for an easy operation of the machine through a touch screen and a **handwheel**.

The software allows for editing/saving of the code of the tool's route in a standard g-code and m-code.

Some of the software's features are:

- graphic display that shows the tool's route and real time updating
- viewing, in real time, of the x and z axis coordinates
- possibility to define up to 253 cutting tools for the automatic compensation of the tool's route with the programmed parameters

The code can be edited manually or generated through a cam software and inserted/saved on the control panel or saved onto an external hardware like a USB key, external hard disk or burner, through the use of the front USB port.



WIZARD System

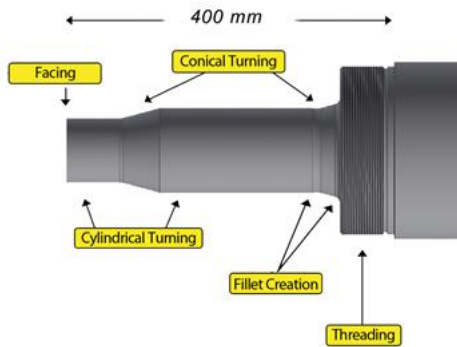
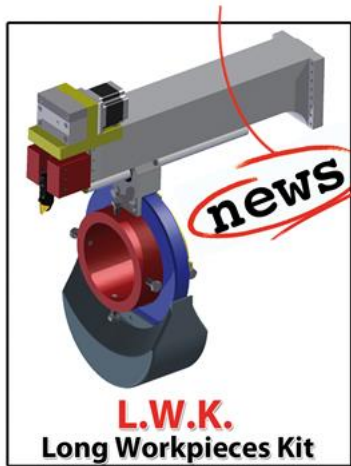


MECHANICAL CHARACTERISTICS

		TOP 200	TOP 400
Radial Stroke (X)	mm	50 (modifiable)	80 (modifiable)
Axial Stroke (Z)	mm	100 (modifiable)	200 (modifiable)
Machining Diameter	mm	200 (modifiable)	400 (modifiable)
Maximum Rotation Speed (s)	Rpm	210	95
Step By Step Motor Axial Movement System		(0.36°/Step) Rolled Screws Resolution: 200 Step/mm	(0.36°/Step) Rolled Screws Resolution: 400 Step/mm
Step By Step Motor Radial Movement System		0.36°/Step) Rolled Screws Resolution: 10000 Step/mm	0.36°/Step) Rolled Screws Resolution: 10000 Step/mm
Max Torque Peak Rotation Spindle	Nm	65 Nm (300 Nm Peack)	230 Nm (1000 Nm Peack)

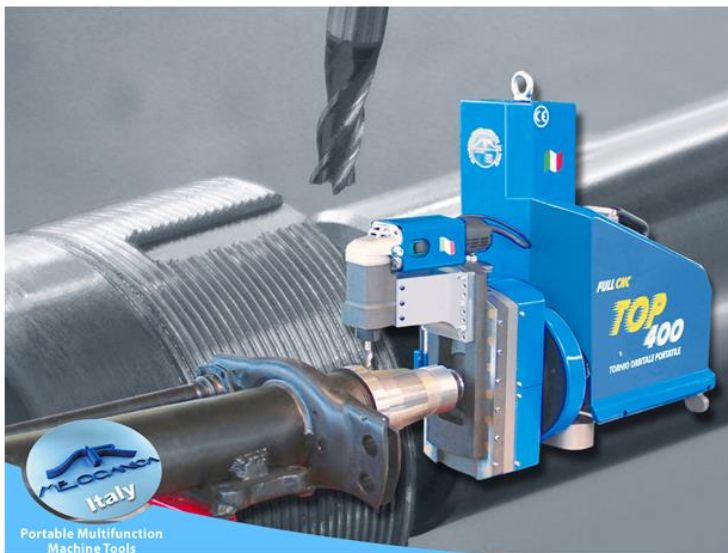
Optional Kits.

L.W.K. LONG WORKPIECES KIT



complete with:
n° 1 MOTORIZED ALLUMINIUM ARM
n° 1 STEADY REST
n° 1 TOOL HOLDER SLIDE
n° 1 TOOL HOLDER
n° 5 CARBIDE INSERTS
n° 1 COUNTERWEIGHT
n° 4 COUNTERWEIGHT MODULES

KIT for GROOVE



equipped with:
N° 1 DRIVE UNIT,
N°1 TOOL BEARING L165,
N°1 TOOL BEARING L410,
N°1 CHROMED ROTATION LOCK,
N° 2 ROTATION LOCK KEYWAY,
N° 1 MILLING TOOL Ø10 HMI (CODE 528065)