



## Special centering and stirruping clamping system for nc turning-grinding-milling machine for automatic loading

---



**TYPE CCL-ST**  
AUTOMATIC DEVICE ALLOWING THE CENTERING OF WORKPIECE ON HOLE, BY MEANS OF LONG STROKE EXPANDER (7MM ON DIAMETER) AND MOVING STIRRUPS

### MAIN FEATURES

- Centering clamping on hole and stirrup
- PEL workpiece detection system
- Long stroke expander (7 mm on diameter)
- Repeatability accuracy lower than 0,005 mm
- Quick change centering
- Quick change stirrups
- Quick change rest
- System driven by double cylinder
- High rotation speed

### CHUCK DESCRIPTION

The system is complete with 2 independent mechanisms.

First one is moving the central expander having stroke mm 7 on diameter, centering the

workpiece from the inside.  
Second one is linked to a moving plate driving 3 rotating and stirring shafts. These are clamping the workpiece granting Stiffness during machining.  
Both systems are driven by a double cylinder. There is a PEL detection system checking the right positioning of the workpiece by the robot.




The change of workpiece type is very fast thanks to quick coupling systems of different components.



[more info](#)

[contact us](#)

 [print version](#)



**XXCMTX**

**DISPOSITIVI DI SERRAGGIO  
WORKHOLDING DEVICES**

CMT Tubertini s.r.l.

40138 BOLOGNA - ITALY - Via del Legatore, 1  
Tel. **+39.(0)51.53.02.20** - Fax +39 (0)51.53.59.54  
[info@cmt-tubertini.com](mailto:info@cmt-tubertini.com) - [www.cmt-tubertini.com](http://www.cmt-tubertini.com)

NEWS