

GETINGE LA CALHENE : WNE press release



## **SAFER, MORE EFFICIENT WORKING WITH HOT CELLS**

### **A new generation of remote-controlled manipulator arms is featured on GETINGE LA CALHENE's stand B28-C29.**

The TAO series of arms use computer-assisted tele-manipulation technology. Movements initiated by the operator are transmitted in real time to the slave arm via the servo-motors inside the motion module. With an electrical rather than mechanical link between the master and slave arms, the new manipulator offers improved availability, increases productivity, lowers dosimetry for the operator and lowers maintenance costs.

The poly-articulated master arm using haptic (force-feedback) technology ensures an easier, lighter to use system.

The MT200-TAO motion module is compatible with the previous generation of fully-mechanical MT200 through-wall tubes as well as those of the future next generation TERMAN system. This major benefit of a completely interchangeable tool allows end-users to profit from the versatility of the system, without any alterations to the hot cell wall.

The MT200 TAO manipulator provides the operator with a permanent ideal working position and vibration-filtering, plus full-range high-performance force feedback, thereby reducing effort and fatigue while improving accuracy and efficiency.

The TERMAN slave arm is capable of manipulating a wide range of objects with a high level of precision. Cable-less, it contains gears and bars so is entirely rigid. Recurring manipulations can be repeatedly performed with the same precision in robotic mode.

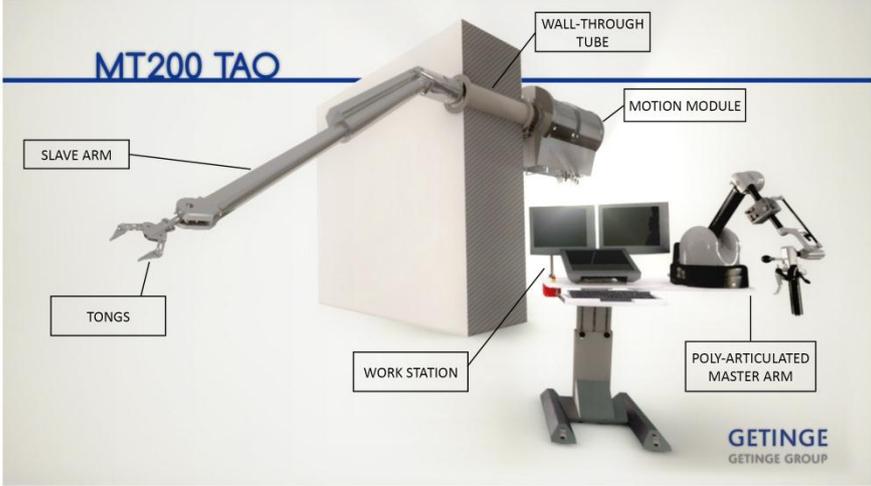
These manipulator arms can be tested in Virtual Reality on Getinge-La Calhène's stand.

Getinge La Calhène's MT120 remote-controlled manipulator can be tested "for real" on Getinge-La Calhène's stand, with a daily prize for the best performance during World Nuclear Exhibition.

GETINGE LA CALHENE, part of the Getinge Group, is an equipment manufacturer specializing in protection : protecting humans in a hostile environment, protecting a product against the surrounding environment and protecting the environment against hazardous products. Its customer base is partly nuclear and partly pharmaceutical clients.

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MT200 TAO REMOTE-CONTROLLED MANIPULATOR



TERMAN SLAVE ARMS INSIDE HOT CELL

