



Haption Virtuose 6D

The Virtuose 6D is the only product on the market combining a high force feedback in the 6 degrees of freedom with a large workspace. The Virtuose 6D is especially suited for scale one manipulations virtual and distant (robotic control). It is also used as a co-manipulation medical robot and in rehabilitation applications. Its handle has 3 buttons (2 programmable), and is replaceable through our tool changer. You can for instance use it with 3D printed objects. This product is available in a High Force Version, for applications in need of a very high level of force feedback.



Key Features

- Number of buttons: 3 (2 programmable)
- Continuous force (translation): 9.5N
- Maximum force (translation): 35N
- Maximum torque (rotation): 3.1 N.m
- Continuous torque (rotation): 1N.m
- Maximum control stiffness (translation): from 1800 N/m to 8000N/m
- Maximum control stiffness (rotation): 30 N.m/rad
- Weight balancing: Static (mechanical, with springs)
- Replaceable handle: Yes, through our tool changer

Possible Applications

- Co-manipulation
- Medical training
- Industrial simulation
- Virtual Reality
- Virtual and distant manipulations (robotic control)
- Rehabilitation
- Medical robotics

Access information

Corresponding infrastructure	Commissariat à l'Energie Atomique Interactive Robotics Lab
Location	Plateau de Saclay, Boulevard Thomas Gobert, 91120 Palaiseau, France
Unit of access	Working day



Technical specifications

DoF	6
Maximum force	35N
Maximum torque (rotation)	3.1Nm

Additional information

<https://www.haption.com/en/products-en/virtuose-6d-en.html>