

The Inca 6D is a haptic interface with 6 active degrees-of-freedom, specifically designed for large interaction in Virtual Reality environments.

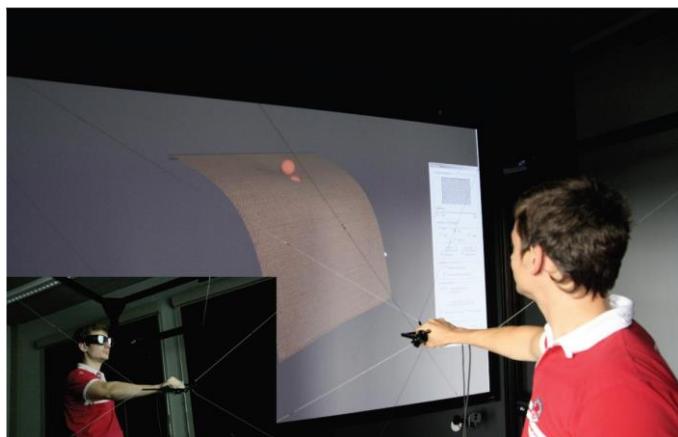
Thanks to its large workspace and high forces, it enables a scale one interaction with digital mock-up from the CAD or any other virtual element.

Virtual Reality # Industrial Simulation

Medical Rehabilitation

6 ACTIVE DEGREES-OF-FREEDOM

- ✓ Passive weight balancing
- ✓ EtherCAT communication system
- ✓ Removable handle, equipped with programmable buttons and a proximity sensor connected to a dead-man function
- ✓ Software interface:
 - ✓ Dedicated plug-ins for: 3DExperience™, Catia™ & Delmia™ V5, Solidworks™
 - ✓ Drivers (binary and/or source code) available for: Python™, ROS™, CHAI3D™, ODE™, Matlab Simulink™
 - ✓ By Partner: Unity3D™



TECHNICAL

Translation force: Peak, Continuous	30 N / 10 N
Rotation force: Peak, Continuous	5 Nm / 1.5 Nm
Position resolution	0.02 mm
Rotation resolution	0.003 °

ELECTRICAL

Power supply	100-240 VAC 50/60Hz single phase
Consumption	Less than 225W
	Max consumption: 1280W

The Inca's architecture made with cables and motors turns it into a versatile haptic device, whose workspace is customizable.

