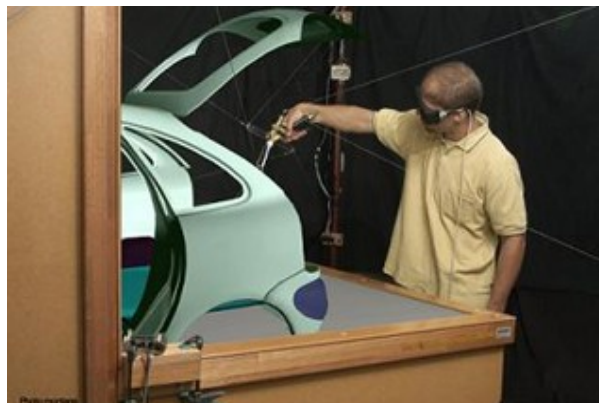


Haptic device Inca 6D

The INCA 6D is a haptic device with a very large workspace offering force-feedback on all 6 degrees-of-freedom, especially suited for immersive environments. It has been designed for virtual assembly/disassembly operations in CAD and Virtual Reality applications.



Inca 6D in CAVE



Holobench Configuration



(pictures Holobench © PSA Peugeot Citroën and CAVE © Clarte)

Inca - overview technical specifications

Maximum force on transmission cable	37.5 N
Continuous force on transmission cable	12.5 N
Winding length of transmission cable	2.5 m
Force of pre-tension cable	5 N
Winding length of pre-tension cable	1.0 m
Length measurement resolution	$7 \cdot 10^{-6}$ m
Dimensions of actuator	0.1 x 0.2 x 0.3 m
Weight of actuator	2,5 kg
Weight balancing	Static, partial (mechanical)
Number of buttons	3 (1 offset, 2 application-specific)
Trackball	Yes
Tool changer	Yes

Technical Characteristics

The Inca 6D cable-driven haptic device is based on the Spidar of Professor Sato. The following customers have already acquired this product: CEA/LIST (France), PSA Peugeot Citroën (France), CLARTE (France)