

# force dimension

## delta.3 haptic device

force feedback interface



The **delta.3** is a high performance force feedback interface based on the delta manipulator. It offers 3 active degrees-of-freedom in translation and features a **larger workspace** than omega.x devices. Thanks to its unique parallel mechanical design, the **delta.3** can convey **large continuous forces** anywhere in its workspace.

### applications

The **delta.3** provides 3D active force feedback for a wide range of applications:

- › medical and space robotics
- › micro and nano manipulators
- › teleoperation consoles
- › virtual simulations
- › training systems
- › research



# force dimension

## delta.3

<b>workspace</b>	translation	Ø 400 x 260 mm
<b>forces</b>	translation	20.0 N
<b>resolution</b>	translation	0.02 mm

## electronics

<b>interface</b>	standard	USB 2.0
	refresh rate	up to 4 KHz
<b>power</b>	universal	110V - 240V

## software

<b>platforms</b>	Microsoft	Windows
	Linux	all distributions
	Apple	macOS
	Blackberry	QNX
	WindRiver	VxWorks
<b>software</b>	haptic SDK robotic SDK	

## features

<b>structure</b>	delta-based parallel kinematics active gravity compensation
<b>calibration</b>	automatic driftless
<b>user input</b>	1 haptic programmable button
<b>safety</b>	velocity monitoring electromagnetic damping
<b>option</b>	right- or left-handed

Force Dimension  
Allée de la Petite Prairie 2  
CH - 1260 Nyon  
Switzerland

t +41 22 362 6570  
f +41 22 362 6571

[www.forcedimension.com](http://www.forcedimension.com)  
[info@forcedimension.com](mailto:info@forcedimension.com)