

Desktop & Virtuoso Family



Desktop 3D

Desktop 6D

Virtuose 3D RV

Virtuose 6D RV

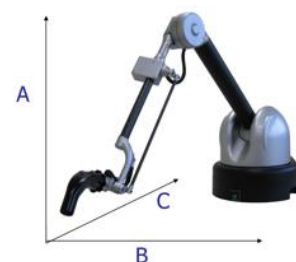
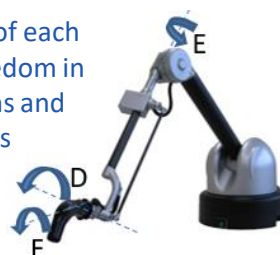
Virtuose 6D TAO

DOF Degree of Freedom & active DOF with force feedback	6 DOF 3 active DOF	6 DOF 6 active DOF	6 DOF 3 active DOF	6 DOF 6 active DOF	7 DOF 6 active DOF
Replaceable handle	On request		Yes, end effector tool changer via a connector, no tools required		
Workspace					
Translation	A = 400 B = 520 C = 220		A = 1020 B = 1330 C = 575		
Rotation	D : 105° E : 260° F : 360°	D : 100° E : 200° F : 300°	D : 120° E : 330° F : 270°	D : 120° E : 330° F : 270°	
Mechanical setup	Suitable for standard upright mounting (default) and upside-down mounting (on request)				
Force Feedback					
Payload Peak (Continuous) Center of workspace	10 N (3N)		35 N (10N)		
Maximum Torque	Passive rotations	0.8 Nm	Passive rotations	3.1 Nm	5 Nm
Continuous Torque	Passive rotations	0.2 Nm	Passive rotations	1 Nm	1.4 Nm
Software Stiffness	1000 N/m		2000 N/m		
Software update rate	Up to 1000 Hz				
High Force Option	No		Yes Payload : 70 N (30 N) Peak (Continuous) at center of workspace. Rotation Force Maximum / Continuous : 5 Nm / 1.4 Nm Maximum Translation Stiffness : 10000 N/m Maximum Rotation Stiffness : 40 Nm/rad		

Visual size comparison
between
Virtuose on the left
Desktop on the right



Identification of each
degree-of-freedom in
the translations and
in the rotations



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