Series C70-2-DD

ULTRA HIGH DYNAMIC MEDICAL RESEARCH CENTRIFUGE

The series C70-2-DD centrifuge is a ultra high dynamic g-on set precision centrifuge designed specifically for medical research application.

AC brushless motor technology associated with all carbon structural arm technology delivers unprecedented high dynamic performances.

The ***AXIDYN ND*** controller makes this two axis centrifuge a unique multi-degree of freedom motion simulator with real time motion profile control capability.

Several options are available to match customers requirements:

- Customized electrical slip-rings
- Optical fiber rotary joint and modems
- Fluid rotary joints

Optional remote interfaces available are:

- Ethernet
- IEEE 488
- Reflected memory interface Real time Bus
- RS232 / RS422
- I/O analog input/output

Based upon its 30 years of experience, ***ACTIDYN SYSTEMES*** team of engineers has designed a family of high performance simulators, which combines quality and high performances at low cost that are conceived to satisfy customers needs.

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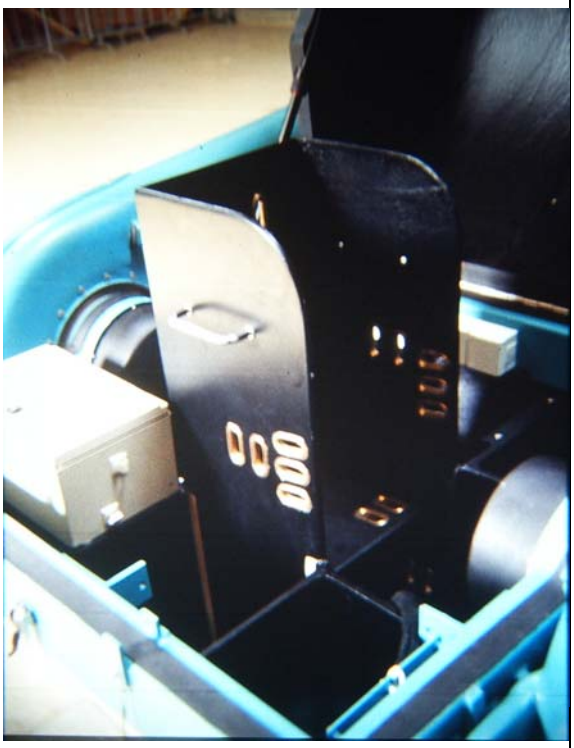
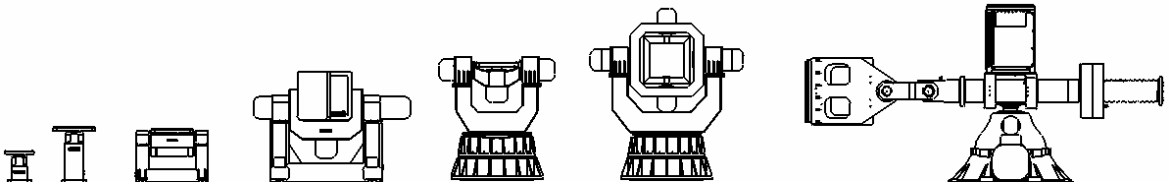
ULTRA HIGH DYNAMIC MEDICAL RESEARCH CENTRIFUGE

Model	C70-2 DD	Units
Centrifuge arm length	4	m
Gimbal width	0.4	m
Gimbal depth	0.4	m
System total mass	2500	kg
Acceleration range	0,1 to 15	g
	1 to 150	m/s^2
Payload mass on platform	40	kg
Gimbal rotation	0 to 360	°
Arm torsional first resonance	> 40	Hz
Centrifuge arm		
Acceleration command		
Range	0,01 to 150	m/s^2
Acceleration accuracy	+/-10	ppm
Acceleration g on set	0 to 150	$m/s^2/s$
Command resolution	0.001	m/s^2
Readout resolution	0,0001	m/s^2
Rotating speed	350	°/s
Arm angular acceleration	500	°/s/s
Arm and gondola gimbal		
Rate command		
Range	0 to 1000	°/s
Resolution	0,00001	°/s
Stability over 360°	0,00001	%
Position command		
Position command resolution	0,00001	°
Position command accuracy	+/- 2	Sec of arc
Servo bandwidth	> 10	Hz
Power requirement		
Line voltage	210 to 410	V
Installed power	150	kVA
Frequency	50 or 60	Hz
Number of phase	3	



ACTIDYN SYSTEMES ALSO MANUFACTURE THESE EQUIPMENTS TO BETTER SERVE YOU



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