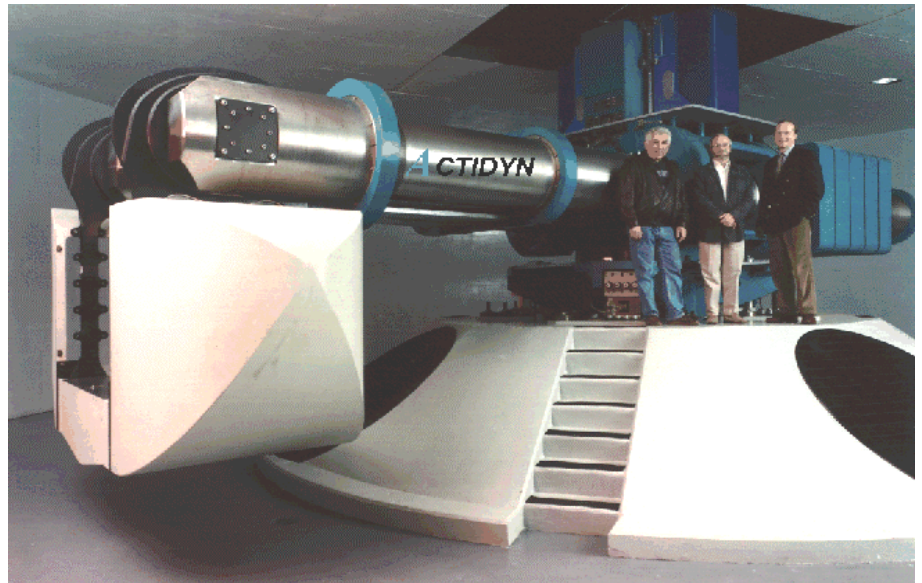


MODEL C84-1

WES Vicksburg Ms, USA



- ✳ 7 Meters platform radius
- ✳ 1.4 x 1.4m experiment platform
- ✳ 8000 kg at 150 g's; 350 g's, 2000 kg
- ✳ Quake Simulator and data acquisition system
- ✳ Power and signal slip rings
- ✳ Fiber optic rotary joint
- ✳ Hydraulic rotary joints
- ✳ Automatic balancing

MODEL C84-1

Dimensional data	Platform radius	7	m
	Nominal radius	6.5	m
	Platform width	1.4	m
	Platform depth	1.4	m
	Container height	1.5	m
	Maximum usable height	2.2	m
	Performances	Payload mass (maxi.)	8000
Acceleration at maximum payload		150	g
Payload mass at max. acceleration		2000	kg
Acceleration range		10 to 350	g
Acceleration accuracy		+/- 0.2	g
Vibration at platform (maxi.)		0.3	g _{RMS}
Maximum operating imbalance		+/- 400	kN
Power plant	Installed power	1600	kVA
	Motor speed range	210 to 1500	Rpm
	Transmission ratio	7	
	Centrifuge boom rate	30 to 220	Rpm
	Power consumption at 100 g's	400	kW
	Power consumption at 350 g's	1200	kW
	Mains supply	660	V
Power rings	Current rating	100	A
	Line voltage	410	V _{RMS}
	Number of lines	4	
Signal slip rings	Current rating	1	A
	Operating voltage DC	110	V
	Noise	10	mΩ _{RMS}
	Quantity	up to 120	
	Frequency	DC to 10	MHz
Optical rotary joint	Number of passages	2	
	Optical coupling Ethernet ports	16	
	Transmission rate	1	GHz
Hydraulic rotary joint	Number of passages (maxi.)	6	
	Pressure rating	10 to 200	bars
	Flow	10 to 150	l/min
	Fluid temperature	10 to 50	°C
Automatic balancing	Balancing range	400	kN
	Balancing resolution	+/- 1	kN
	Balancing time	120	s