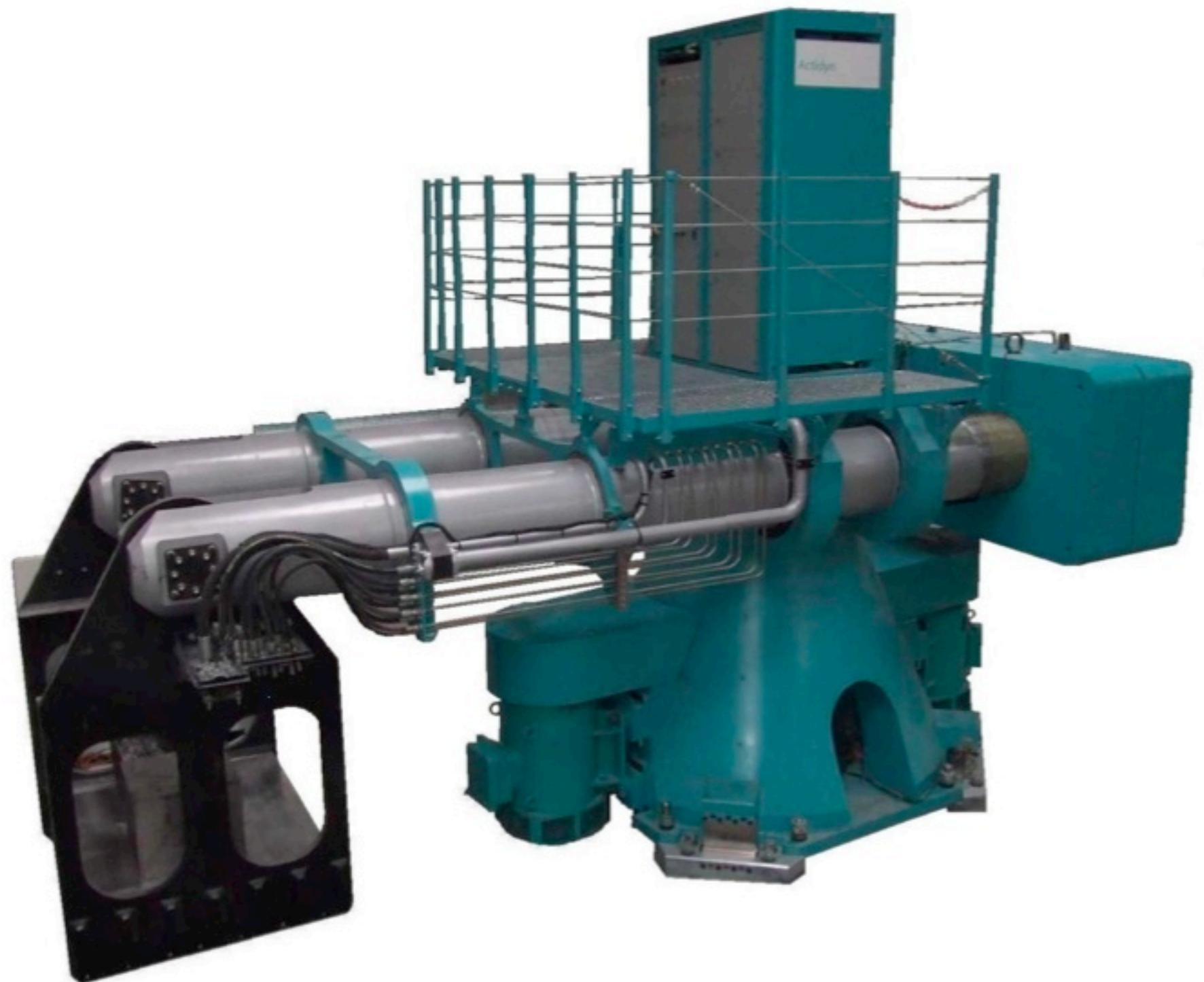


## MODEL C70-2



- \* 4 meters platform radius
- \* 1.1 x 1 m experiment platform
- \* 2000 kg at 100 g's ; 130 g's, 1200 kg
- \* Electrical and optical passages
- \* Hydraulic rotary joints and power rings
- \* Automatic balancing
- \* Quake Simulator and data acquisition system



## MODEL C70-2

### Dimensional data

Platform radius	4	m
Nominal radius	3.5	m
Platform width	1	m
Platform depth	1.1	m
Container height	1	m
Maximum usable height	1.5	m

### Performances

Payload mass (maxi.)	2000	kg
Acceleration at maximum payload	100	g
Payload mass at max. acceleration	1200	kg
Acceleration range	5 to 130	g
Acceleration accuracy	+/- 0.2	g
Vibration at platform (maxi.)	0.3	g <sub>RMS</sub>
Maximum operating imbalance	+/- 80	kN

### Power plant

Installed power	200	kVA
Motor speed range	160 to 1280	Rpm
Transmission ratio	8/1	
Centrifuge boom rate	20 to 160	Rpm
Power consumption at 100 g's	120	kW
Power consumption at 130 g's	160	kW
Mains supply	380 / 410	V

### Power rings

Current rating	100	A
Line voltage	410	V <sub>RMS</sub>
Number of lines	4	

### Signal slip rings

Current rating	1	A
Operating voltage DC	110	V
Noise	10	mΩ <sub>RMS</sub>
Quantity	up to 80	
Frequency	DC to 10	MHz

### Optical rotary joint

Number of passages	2	
Optical coupling Ethernet ports	16	
Transmission rate	100	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	60	kN
Balancing resolution	+/- 1	kN
Balancing time	60	s

*Specification subject to change without notice.*