



iMAP

Integrated Turbine Rotor Measurement and Assembly Platforms

Improve productivity and achieve higher levels of quality by reducing inspection times and the need for costly teardowns due to inefficient rotor assembly.

iMAP is the definitive system for productivity improvement in turbine rotor assembly for large volume and heavy loads such as passenger jets and gas turbines.

Measurement Capacity:

- Maximum measurement volume up to $\text{Ø}3,600\text{mm} \times 6,000\text{mm}$
- Maximum load capacity up to 35,000kgs
- Motorised axis



iMap

Type		D600	D600LV	D1000	D1000LV	D1600	D1600LV	D2500	D2500LV	D3000	
Table Diameter	d	600	600	1000	1000	1600	1600	2500	2500	3000	
Max Component Diameter	D	800	1400		2200		3300		3600		
Maximum Component height*	H	Selected Column Capacity (1600/2300/3000/4500/6000mm) - (a + Suport Tooling Height)									
	L 1 (Single Column)	1840	2240		2840		3730		4230		
	L 2 (Double Column)	2780	3180		3780		4660		5160		
	W	900	1500		2300		2800		3300		
	h	719		846		863		915			
	a	230		357		430		442			
Load Capacity	kgs	1500		1500		14000		30000		35000	
		2000		5000							
Motor Drive		Motor Drive									
Maximum Polar Inertia if Motor Driven	Kgm2	160	600		4000		23000				
		160	600								
Centring Range	mm	+/-10				+/-15					
Levelling Range	Deg	+/-1				+/-0.3					
		+/-0.5									
Measurement Channels		2 Channel (Single Column), 4 Channel (Single or Double Column), 8 Channel (Double Column)									
Bearing Type		Air Bearing				Hybrid Air Bearing					
Radial Runout of Axis	µm	0.1				0.5					
Axial Runout of Axis											
Coning of Table Axis	Arc Sec.	+/-0.25				+/-0.5					
Runout (Height)	mm/ meter	0.0024				0.0048					
Maximum Speed	rpm	2				1.5		1		0.8	