

# Test of HS Pedestal



Intelligent Balancing Solutions

Test Certificate 3.1 acc. DIN EN 10204

Order-No.	A13-030074	Testing Device	Unbalance Shaker	
Machine Type	HS 23	Testing Device No.	PH-003601	
Pedestal Type	HS 23	Max. Unbalance	50.000,0	gmm
		Test Unbalance	10.000,0	gmm
Customer	Neotec	Angle	0,0	Grad
Location	Plock, Poland	Perm. Deviation U, v	5,0	%
		Stiffness Pedestal 1	750,0	N/μm
		Stiffness Pedestal 2	750,0	N/μm
Unb. Meas. System	MC 10 HS	Perm. Bearing Force	100.000,0	N
Comment	Calibration Speed 35 Hz, Clockwise			
Note	Permissible Values and deviations are given by manufacturer.			

Pedestal 1							
Speed 1/min	Unbalance U by Unbalance Measuring System						
	Meas. Values		Amount - Set Value		Deviation Amount		Specification achieved y / n
	Amount U gmm	Angle W Grad	Amount U gmm		DU %	Status passed y / n	
1.200	10.077,0	0,3	10.000,0		0,8	y	y
1.500	10.100,0	0,2	10.000,0		1,0	y	
1.800	10.080,0	0,5	10.000,0		0,8	y	
2.100	10.130,0	0,2	10.000,0		1,3	y	
2.400	10.180,0	359,8	10.000,0		1,8	y	

Vibration Velocity v-RMS by Unbalance Measuring System							
Speed 1/min	Meas. Values		Amount - Set Value		Deviation Amount		Specification achieved y / n
	Amount v-eff mm/s	Angle W Grad	Amount v-eff mm/s		Dv %	Status passed y / n	
	1.200	0,019	0,3	0,019		1,3	y
1.500	0,037	0,2	0,037		1,0	y	
1.800	0,064	0,5	0,063		1,1	y	
2.100	0,101	0,2	0,101		0,4	y	
2.400	0,154	359,8	0,150		2,6	y	
Stiffness					738,1	N/μm	

Pedestal 2							
Speed 1/min	Unbalance U by Unbalance Measuring System						
	Meas. Values		Amount - Set Value		Deviation Amount		Specification achieved y / n
	Amount U gmm	Angle W Grad	Amount U gmm		DU %	Status passed y / n	
1.200	10.187,0	1,4	10.000,0		1,9	y	y
1.500	10.214,0	1,5	10.000,0		2,1	y	
1.800	10.241,0	1,7	10.000,0		2,4	y	
2.100	10.172,0	1,4	10.000,0		1,7	y	
2.400	10.290,0	1,6	10.000,0		2,9	y	

Vibration Velocity v-RMS by Unbalance Measuring System							
Speed 1/min	Meas. Values		Amount - Set Value		Deviation Amount		Specification achieved y / n
	Amount v-eff mm/s	Angle W Grad	Amount v-eff mm/s		Dv %	Status passed y / n	
	1.200	0,019	1,4	0,019		1,3	y
1.500	0,037	1,5	0,037		1,0	y	
1.800	0,064	1,7	0,063		1,1	y	
2.100	0,102	1,4	0,101		1,4	y	
2.400	0,152	1,6	0,150		1,3	y	
Stiffness					740,8	N/μm	

Test passed **y**

	Date	Name	Function / Dept.
Customer			
Hofmann	09.07.2019	C.Danz	VM 2

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