

Roll Test Stand

with independent AC-Drive System



- High flexibility
- Reduction of cycle time due to elimination of mechanical switching operation
- Simulation of driving curves (Road Load)
- Simulation of inertia of masses
- Re-feeding of excess energy back to Supply
- High reliability
- Low maintenance

fact sheet:

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We offer the optimal Roll Test Equipment for your operative range.

Ratings:

	Single Roller	Twin Roller
Roller diameter	900 mm	500 mm
Roller distance inner edge/inner edge	700-900 mm	700-900 mm
Roller distance outer edge/outer edge	2100-2300 mm	2100-2300 mm
Wheelbase adjustment	2300-3300 mm	2200-3200 mm

Mechanical simulated vehicle mass:

Min. simulated mass	900 kg
Max simulated mass	1600 kg
Additional mechanical weights	300 kg

AC-Drive System:

Numbers of AC Drives	4
Power per AC Drive / Converter	31,1/55 kW
As an option by same dimension	60,1/70 kW
Max speed	200 km/h
Max simulated mass by front or rear drive	400 kg
Acceleration up to 120 km/h	2,7 m/s ²
Max deviation during acceleration	< 2 %
Max deviation during constant speed:	
0-9,99 km/h	< 1 %
10 km/h - v _{max}	0,2 %
Force at the roller in range of < 10 km/h	2200-5000 N / AC Drive (depending on the Roller and the AC Drive configuration)

Other dimensions and AC Drive configurations possible!

Hofmann Prüftechnik maintains a policy of continuous research and development and specifications are subject to alteration without notice.

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