



Mach1 engineering

Our technical expertise at your service

CUSTOMISED TEST SOLUTIONS ON OUR TEST BENCH

**To validate the performance
of your wheels and
secure your projects!**



- ✓ Define the most suitable components for a given use
- ✓ Compare different wheel assembly options
- ✓ Secure projects with regard to current and future standards requirements

A hundred
tests
already
carried out

Standards or
customised
protocols

Take advantage of the advice of our engineering office and the capabilities of the Mach1 test bench to make the best technical choices.

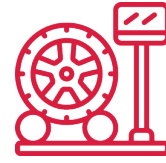
Contact us for you project,
See overleaf for a presentation of the bench.

MACH1

Mach1 test bench and associated services

Bench complies with DIN 79010 and ISO 4210 standards

Standards	ISO 4210-7		DIN 79010		
	Cycle 1	Cycle 2	Level 1		Level 2
			Cycle 1	Cycle 2	Cycle 3
inflation pressure (bar)	90% de Pmax tire		90% de Pmax tire		
Linear speed (km/h)	25 (± 10%)		25 (± 10%)		
Weight required standard (N)	640		640	1200	
Load to be placed on the bar (kg)	65		65	125	
Angle of inclination (°)	0°		0°	±15°	
Total number of impacts	750 000		500 000	250 000	
Distance (km)	185	169	185	51	118
Rolling time (h)	07:25	06:50	07:25	02:05	04:45
Total rolling time (h)	14:15		14:15		

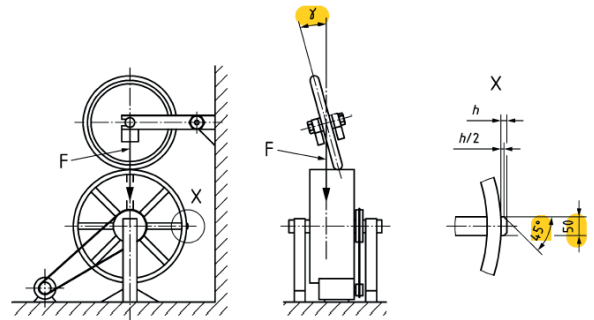


Reducing the risk of non-compliance



Customised tests based on your criteria and advice on the most appropriate protocols

Several parameters can be modified to simulate different uses (angle, speed, load, etc.)



Anticipating changes in standards

Bench adapted to the future European standard PR EN 17860 (cargo bikes)



Data reliability and test accuracy

Use of a digital simulation model for robust results



Informed decision-making

Personalised test reports commented on by the Mach1 engineering office

An exclusive Mach1 service to enhance product quality and user experience.

MACH1