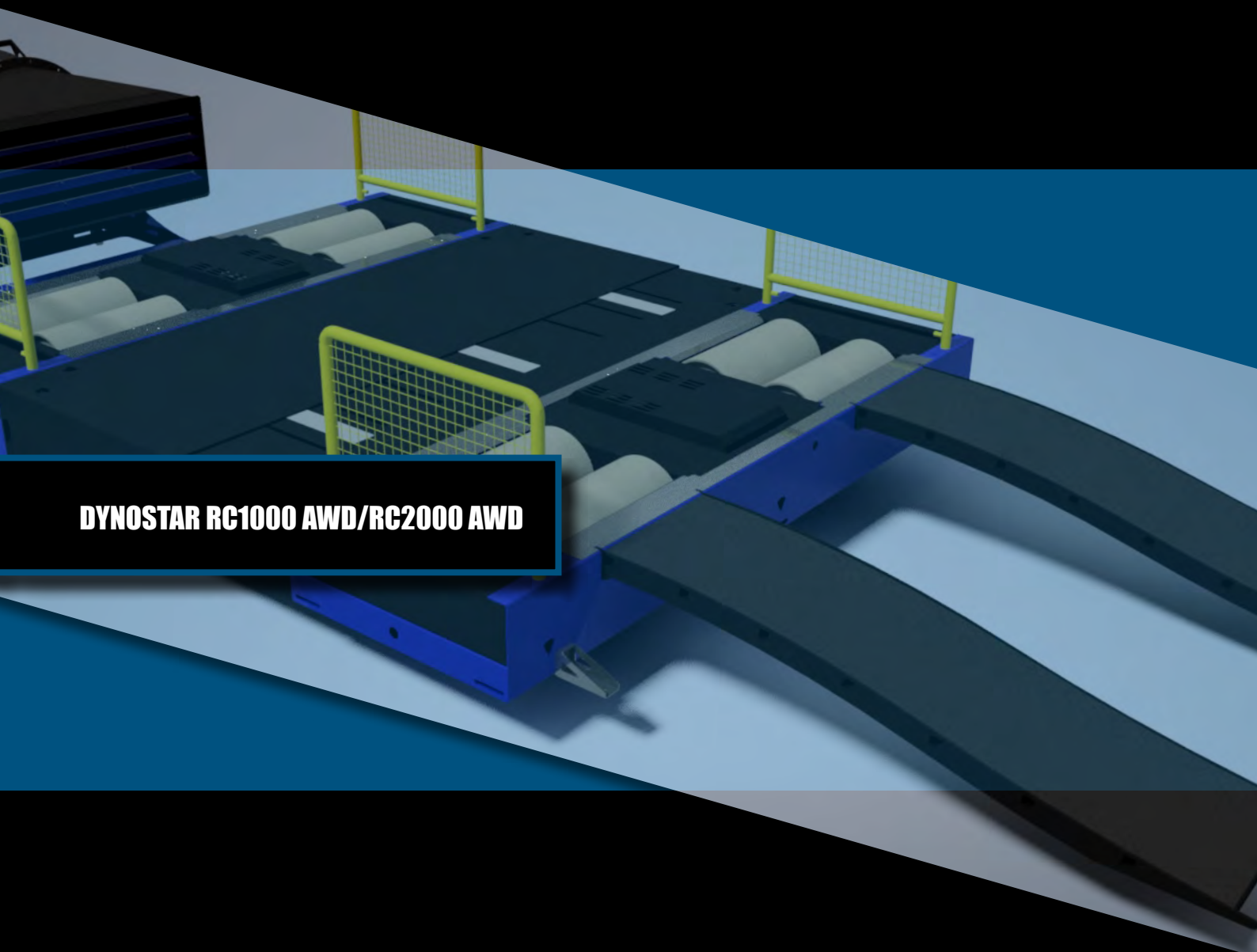
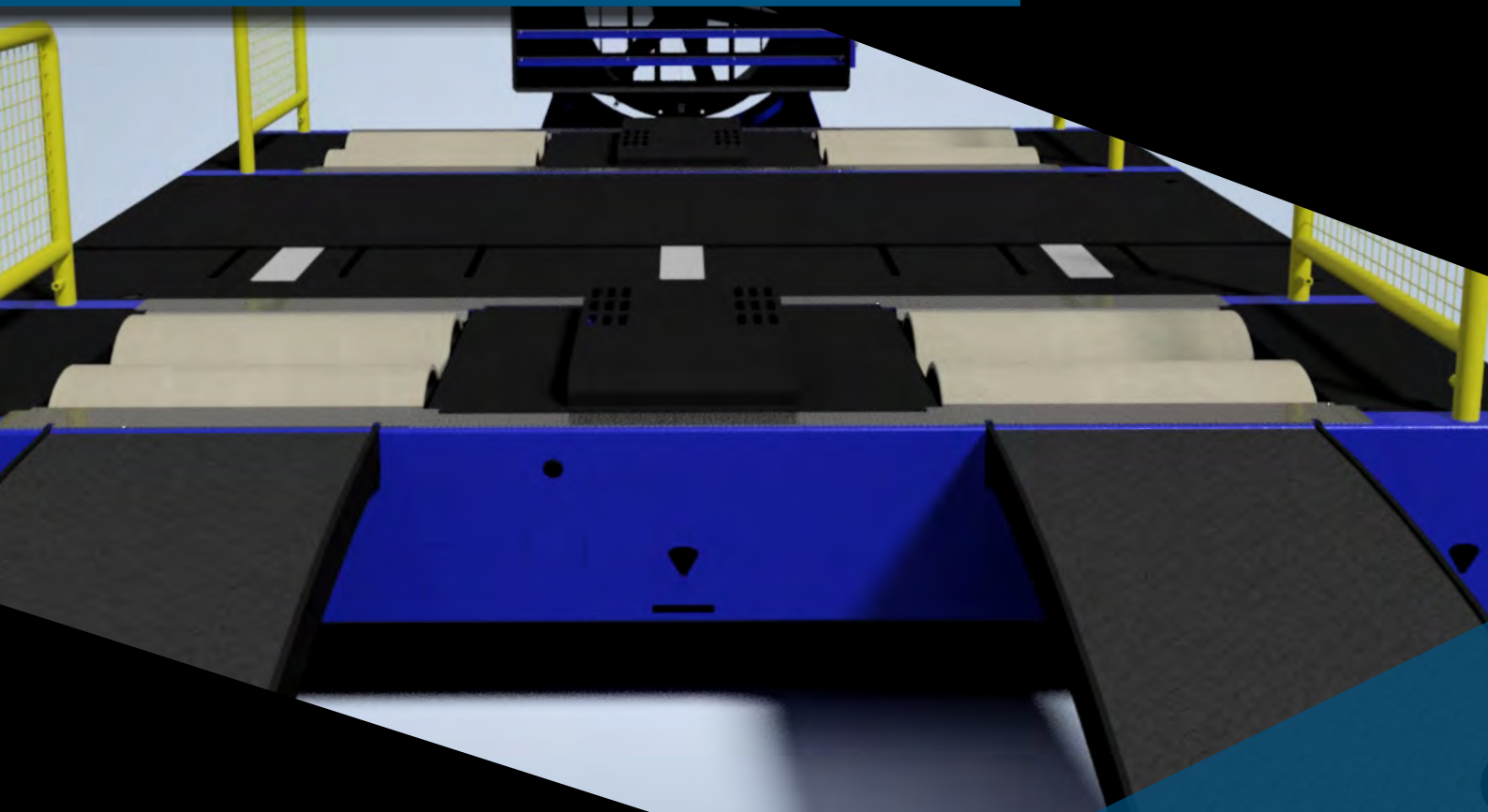




DYNOSTAR RC1000 AWD/RC2000 AWD

DYNOSTAR RC1000 AWD/RC2000 AWD



This newly developed dyno will offer you the renowned Dynostar quality at an affordable price. The RC1000AWD will come fully mechanically synchronized with the option of using a single 1000 Nm retarder or even adding an optional second 1000Nm retarder. The second retarder can also be added later when the dyno is up and running.

The RC1000AWD is designed as an above ground model with complementary drive on ramps. It has a very low deck height of 350mm and can easily be installed in any workshop. But this dyno can also be used perfectly as a pit model. The dyno also features integrated latching points to tie down the vehicle easily.

With it's adjustable wheelbase from 2,3 meters up to 3,1 meters this reliable dynamometer is suitable for testing a wide range of cars. Everything from a Fiat 500 up to a BMW 7-series will fit easily.

This dynamometer is capable of testing up to 625 kW dynamic (2WD) and over 300kW static, all because of the air-cooled retarders with a braking capacity of either 1000 or 2000 Nm. All features combined make this dyno an ideal and easy to use tool for chiptuning and diagnostic work.

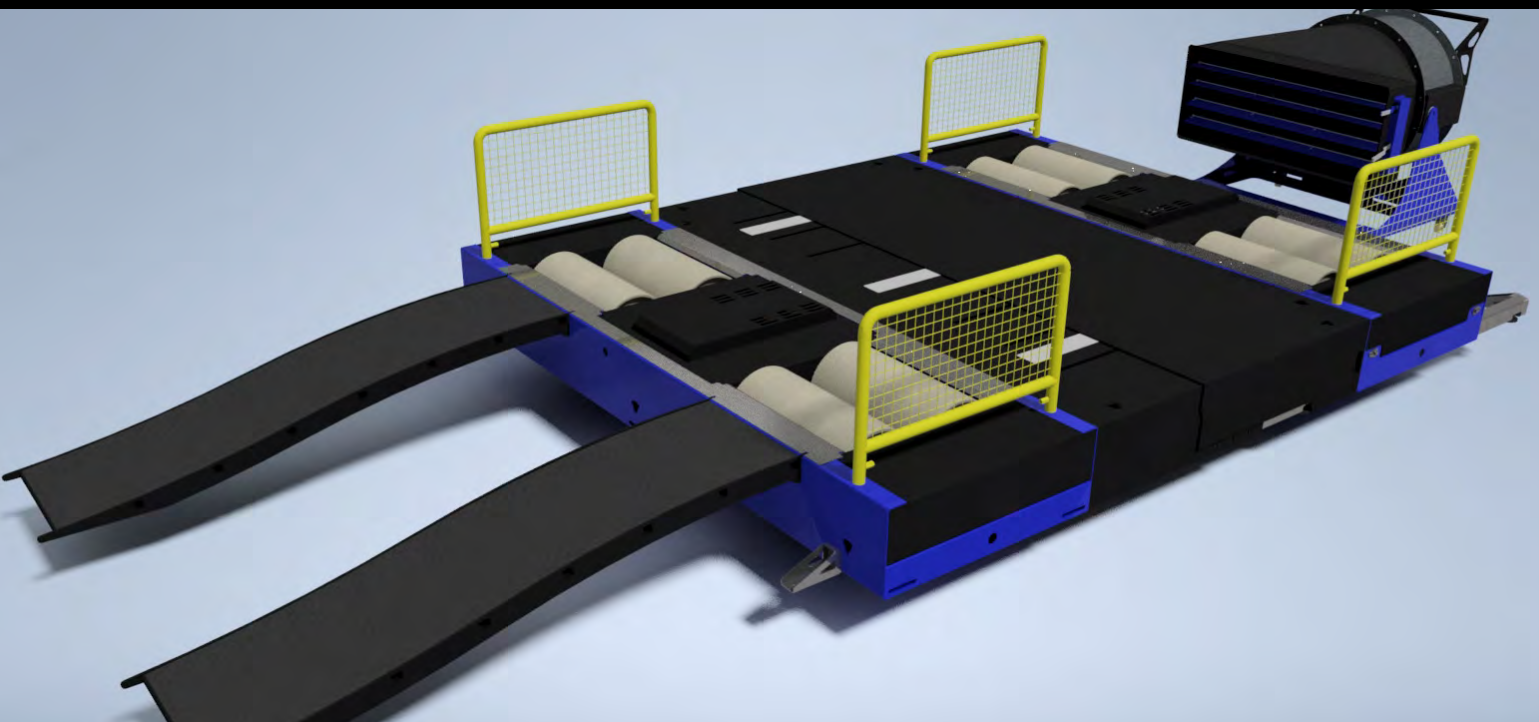
With years of experience Dynostar can design and construct a bespoke test cell, equipped with all that's necessary to create a healthy atmosphere in- and outside. Based on extensive calculations the capacities of the ducts and fans for exhaust gas extraction, ventilation and cooling are determined.

Standard software features:

- Static power measurement
- Dynamic power measurement
- Speedometer test
- Weather station
- Power correction to DIN, EEC and SAE standard
- Automatic braking after completing a test
- Real time display of engine speed, power, traction and vehicle speed in software
- Simulation of roller and air resistances for simulating situations on the road
- Automatic calculation of losses in the drive line and calculation of power at crankshaft

Standard hardware features:

- DAS Data Acquisition System and PLC system
- Advanced Dyno Station Software package
- Junction Box
- Remote control
- Instructions and manual
- CE marking
- Emergency brake
- Straps and integrated anchors for securing the car
- Ramps
- Optionally with safety fences



Technical specifications

RC1000AWD / RC2000AWD:

- | | | | |
|--------------------------|------------------------|---------------------------------|---------------------------------|
| - Weight: | 3000 [kg] | - Min. wheel base: | 2,3 [m] |
| - Dimensions (lxbxh): | 4,36 x 3,00 x 0,35 [m] | - Max. wheel base: | 3,1 [m] |
| - Power requirements: | 400 [V] | - Total inertia: | 21,5 / 22,0 [kgm ²] |
| - Max. consumed current: | 12 [A] / 2x12 [A] | - Equivalent vehicle mass: | 702 / 718 [kg] |
| - Air requirements: | 6 [bar] | - Max. power 2WD | 400 / 500* [kW] |
| - Max. speed: | 275 [km/h] | | 536,4 / 670,5* [Hp] |
| - Drum width: | 0,65 [m] | - Max. power AWD | 500 / 625 [kW] |
| - Drum Diameter: | 0,35 [m] | | 670,5 / 838,1 [Hp] |
| - Number of drums: | 8 | - Max. static power cold: | 175 / 351 [kW] |
| - Min. track: | 0,9 [m] | - Max. static power continuous: | 110 / 220 [kW] |
| - Max. track: | 2,2 [m] | | |
| - Max. axle load: | 2500 [kg] | | |

*Based on a dynamic run with retarder load in 4th gear or higher.

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On pole position