

## Garage and MOT Test Equipment Consultants & Suppliers



**BAPRO – ROLLING ROAD DYNAMOMETERS**  
OFFICIAL DISTRIBUTORS for the UK & IRELAND

# LUCASAIDE GEMS

**Garage Equipment Money Savers**

[www.gems.me.uk](http://www.gems.me.uk)



## New! November 2020 Winter Promotion

### **Bapro test benches, all series (STANDARD and HIGH PERFORMANCE) immediate advantages:**

- Improved use of the instruments already present in workshop (diagnosis equipment) lead to a shorter repair time
- Results certification increases accessories sales and tuning business (performance enhancement)
- No more risks and costs originated from classic road tests (traffic, accidents)
- Second-hand vehicles sale improvement by engine health certification
- All our car 2WD dynamometer models are upgradable to 4WD/AWD
- Easy to install, extremely easy to use, Bapro high accuracy guaranteed
- Renting for tests, events, motorsport Balance of Performance
- All our models could be installed IN or ABOVE ground.

**Lucasaide GEMS Ltd.** Branchflowers Office, Slimbridge House, Station Road,  
Bishops Lydeard, Taunton, Somerset. TA4 3BX. UK  
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[www.gems.me.uk](http://www.gems.me.uk) [www.lucasaide.com](http://www.lucasaide.com)  
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## 4 - Wheel Drive Rolling Road Dynamometer

### BPA-4R-HP **High Performance**

For installation **IN-GROUND** or

**ABOVE GROUND** (Drive Up Ramps required)

The **HP series** is the Bapro's highest performance chassis dynamometer. A couple of belted 400 mm diameter rollers, the best guarantee for the utmost in repeatability and accuracy. With a massive tubular frame made by high strength steel, this High Performance series suites all needs: Testing, R&D, Motorsport, Tuning and Chip Tuning. BPA-4R High Performance is suitable for every kind of power and torque.

**Axle synchronization:** Electronic linked and synchronized axles via software, made by fast and precise high frequency control of eddy current brakes to synchronize the axles in a 4wd car (Bapro's patented system). This to avoid differentials damage and to be more precise in tests because power wasted in slippage inside the differentials is avoided too. Thanks also to this, BPA-4R HP dyno is extremely easy to be installed and the maintenance is almost absent.

<b>Model BPA-4R HP</b>	(2017 updated version)
<input type="checkbox"/> <b>Roller diameter</b>	400 mm
<input type="checkbox"/> <b>Roller width</b>	700 mm
<input type="checkbox"/> <b>Maximum speed</b>	360 km/h
<input type="checkbox"/> <b>Maximum absorbable power</b>	1.300 HP
<input type="checkbox"/> <b>Maximum measurable power</b>	2.000 HP (Sweep Power Test)
<input type="checkbox"/> <b>Overall dimensions mm</b>	3.470 x 5.345 x h. 460
<input type="checkbox"/> <b>Max weight per axle (kg)</b>	2.500 kg
<input type="checkbox"/> <b>Voltage</b>	400 V 50 Hz

### STANDARD FEATURES

- 2 Eddy currents brakes; 8 rollers paired with HTD belts, knurled over entire width**, finished by cut knurling
- Infrared remote control** test bench management directly from vehicle cockpit
- Lambda Input** to connect the vehicle lambda probe or an external controller
- Boost pressure input** 0÷2.5 bar relative pressure ± 0.035 bar error
- Fully functional management software; Pneumatic vehicle lifter**, with integrated rollers lock
- Electric adjustment of vehicle wheelbase**

BPA-4R HP 4wd High Performance dyno

List Price £75,000, 00 + vat

**Special Deal GEMS Price - £65.000 + vat**

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## OPTIONAL ACCESSORIES

DOUBLE fan system, movable on wheels (code FS2-44)

- Airflow** 44.000 cubic mt per hour
- Wind speed** up to 90 km/h
- Weight** up to 90 km/h
- Motor power** 6 kW
- Power supply** 3/N/PE 400 V 50 Hz
- Dimensions (LxWxH) in mm** 1500 x 520 x 740

List Price £5.200,00 +vat

**Special Deal GEMS Price - £3,500.00 + vat**

**SINGLE fan system, movable on wheels (code FS1-22)**

- Airflow** 22.000 cubic mt per hour
- Wind speed** up to 90 km/h
- Weight** 75 kg
- Motor power** 3 kW
- Power supply** 3/N/PE 400 V 50 Hz
- Dimensions (LxWxH) in mm** 730 x 520 x 740

List Price £2.600.00 + vat

**Special Deal GEMS Price - £1,750.00 + vat**

- Wide band lambda system** 5 wires wide band lambda probe with controller
- Aluminum loading ramps** high width aluminum ramps. Necessary when test bench installed on the ground
- Computer trolley** built by heavy duty lasting steel, Pro: heavy duty, movable, wide working surface
- Proportional ventilation speed control** adjust the fan speed in function of the rollers speed
- Roller covers** protect the rollers when the dynamometer is not working
- Personal computer and display**
- Safety Equipment:** Side safety barriers with logo panels, Anchoring ratchet straps, High attenuation ear muff

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