

ET77

The ET77 has the best **performance/price** ratio, thanks to top-of-the-range features at the cost of a display balancing machine.

Low balancing speed, optimisation of average balancing speed, 7 ALU truck and car programs, automatic acquisition of wheel/machine distance, adhesive weight application device, automatic weight application position search, visual wheel wobble inspection, automatic wheel type identification (truck/car), OPT FLASH and 200kg lift with safety handle: these features, together with its original design, make the ET77 an exceptional purchase with an excellent quality/price ratio.

Principal characteristics

- Electronic balancing machine with microprocessor for off-vehicle wheels of trucks, buses and vans.
- **Low balancing speed** (80 rpm for truck wheels and 120 rpm for car wheels) reduces wheel spin times, reduces the risks due to rotating parts and saves energy.
- **Automatic detection** of the type of wheel fitted (car or truck).
- **Automatic sensor** for measuring the distance and for the application of adhesive weights in Alu P programs.
- **Automatic position search** (RPA): on completion of the wheel spin, the machine automatically positions the wheel in the weight application point.
- Automatic wheel clamping at the end of the spin.
- Wheel-holder shaft clamping brake.
- STOP button for immediate machine shutdown.
- **Lift equipped with safety handle** to prevent wheel roll-over and to facilitate handling procedures. The safety handle is also a handy flanges and accessories holder.
- Cover with trays to take weights of all kinds and the most commonly used accessories.
- **Automatic start** when protective guard is lowered.
- Luminous digital dual display with 3D graphics.
- Simple, user-friendly keyboard for data input and program selection.
- Processing unit with 16 bit microprocessor.
- 1g (1/10oz) resolution in car function and 10g (0,5oz) in truck function.
- Unbalance values displayed in grams or ounces.
- Option of displaying unbalances rounded up/down.
- Balancing modes available:
 - Standard dynamic on both sides of the rim
 - Alu / Alu P seven different options for alloy wheels (with profile measurement)
 - Static on one plane only.
 - **"Shift Plane"** program (in Alu P mode) for use of weights in multiples of five grams, with no need for partial cuts (Corghi Patent).
 - **"Hidden Weight"** program (in Alu P) which subdivides the adhesive weight for the outside into two equivalent weights positioned behind the spokes of the rim.
 - **"OPT flash"** program for the rapid optimising of wheel running noise levels. A single tyre shift on the rim and a balancing spin will cause the machine to display:
 - the real wheel unbalance (the OPT procedure is completed if this is within the acceptable range);
 - the minimum unbalance which is obtained by further rotating the tyre on the rim.
- Utility programs:
 - calibration;
 - service;
 - diagnostics.
- **Three work environments** which allow three different operators to work at the same time without having to reset the data.
- VEI (**Visual Eccentricity Inspection**), to check for wheel and rim roundness defects.



Technical Data

Car wheel balancing speed:	120 rpm
Truck wheel balancing speed:	80 rpm
Maximum unbalance value calculated:	1990 g
Resolution:	1 g
Average spin time for car wheels:	8 s
Average spin time for truck wheels:	18 s
Shaft diameter:	46 mm
Rim width setting range for car wheels:	1,5" ÷ 22"
Rim width setting range for truck wheels:	4" ÷ 22"
Rim diameter setting range for car wheels:	7" ÷ 30"
Rim diameter setting range for truck wheels:	12" ÷ 30"
Maximum wheel/machine distance:	400 mm
Maximum wheel width (with guard):	700 mm
Maximum wheel diameter (with guard):	1220 mm
Maximum wheel diameter (without guard):	1380 mm
Maximum wheel weight:	200 kg
Power supply:	115V 60Hz / 230V 50Hz 1ph
Total power absorption:	220 W
Weight of the machine (with guard):	242 kg