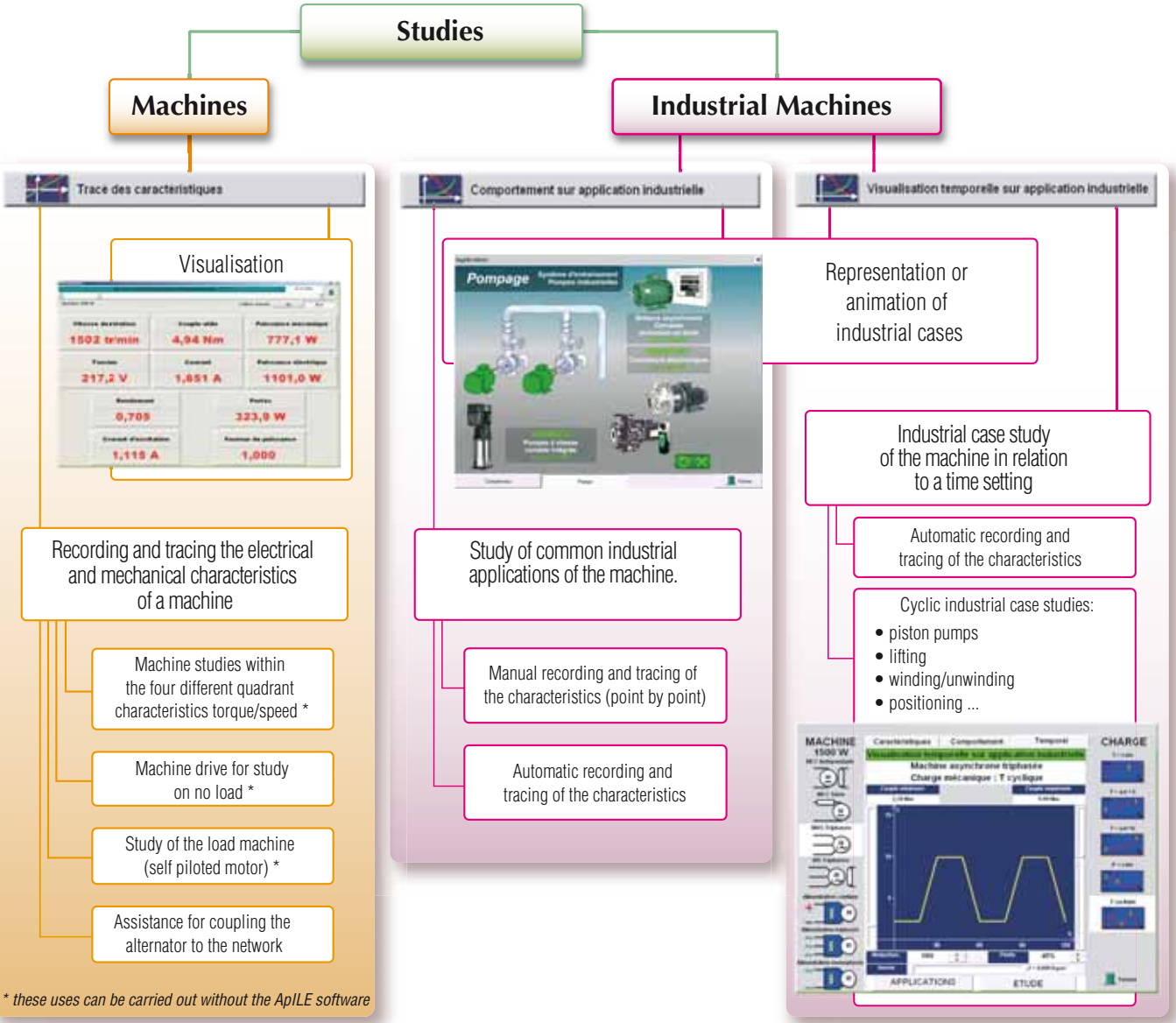


Active load solutions

- **Active load** enables the study of the most commonly used, current supplied, machines, within the industry:
- DC: separate, independent, series excitation or poly-excitation,
 - AC: asynchronous with mono or two speed short circuited rotor, with wound rotor,
 - AC: synchronous.



Active load 300 W or 1500 W
3 phase 400V - 50Hz supply

Load piloting unit

L: 430 mm
D: 220 mm
H: 320 mm
Weight: 11,1 kg

Load

L: 410 mm
D: 250 mm
H: 320 mm
Weight: 15 kg

Braking Resistance

L: 465 mm
D: 185 mm
H: 170 mm
Weight: 4,8 kg

Cables
length and weight

- PC: 2 m
- Load: 5 m (weight 1,5 kg)
- Encoder: 5 m (weight 1 kg)



LEROY-SOMER MOTORS 16015 ANGOULÊME CEDEX - FRANCE

338 567 258 RCS ANGOULÊME
Plc. with a capital of 62 779 000 €

www.leroy-somer.com



ACTIVE LOAD
Test bench for rotating machines
Acquisition data

The Educational System has always been concerned that technical education should reflect real industrial situations. With this in mind, Leroy Somer has created **Active load** from industrial products. It is an innovative solution which includes common industrial operations. This system is designed for all training courses which prepare for professional or technological diplomas in the maintenance and electrical engineering subjects.

The load motor and its pilot unit use the most recent and efficient industrial technologies. An integral part of the Leroy Somer active load, the **ApILE** (Industrial Applications in Research Laboratories) software, improves its educational use and increases its different possibilities

+ easy...

- ... to use because of its rapid implementation
- Integrated electrical and mechanical measure sensors.

+ security

- Active load link cables supplied with polarized connections ensuring strength and safety:
 - power
 - PC link
 - encoder connection

+ compact

The active load system replaces the brake, the torque meter, the tachometer generator and the different acquisition modules

+ autonomy

- Basic:
- Four operations characterising the machines
 - Measurement images at analog outputs

+ flexible

- Existing installation: mounting on any bench in just a few minutes.
- New equipment: bench composition on demand

+ comfortable

- Quieter: replaces a ventilation component
- Designed for easy immediate use

+ educational

- In addition to the torque rules usually studied, all tested machines operate in the four quadrants.
- Curves enabling machine studies, in industrial applications.
- Alternator to network coupling function

+ economical

- Easier machine benches offering more possibilities
- Made from industrial products guaranteeing reliability, efficiency and economy.

ApILE Software: advantages

- **Intuitive:** ApILE enables immediate use
- **Practical:** one click and, for each study, ApILE displays the image or shows an animated version of the industrial reality, using its case library
- **Interactive:** ApILE enables one to include electrical and mechanical datas in presentation software, word processing or spreadsheets
- **Quick and easy:**
 - no need for numerical input,
 - authorises a maximum of 3 actions per page

