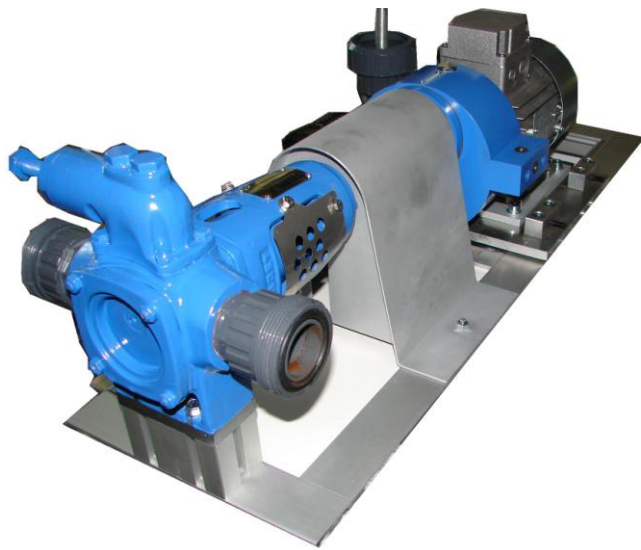


## Kit for predictive maintenance by vibratory analysis

### DESCRIPTION

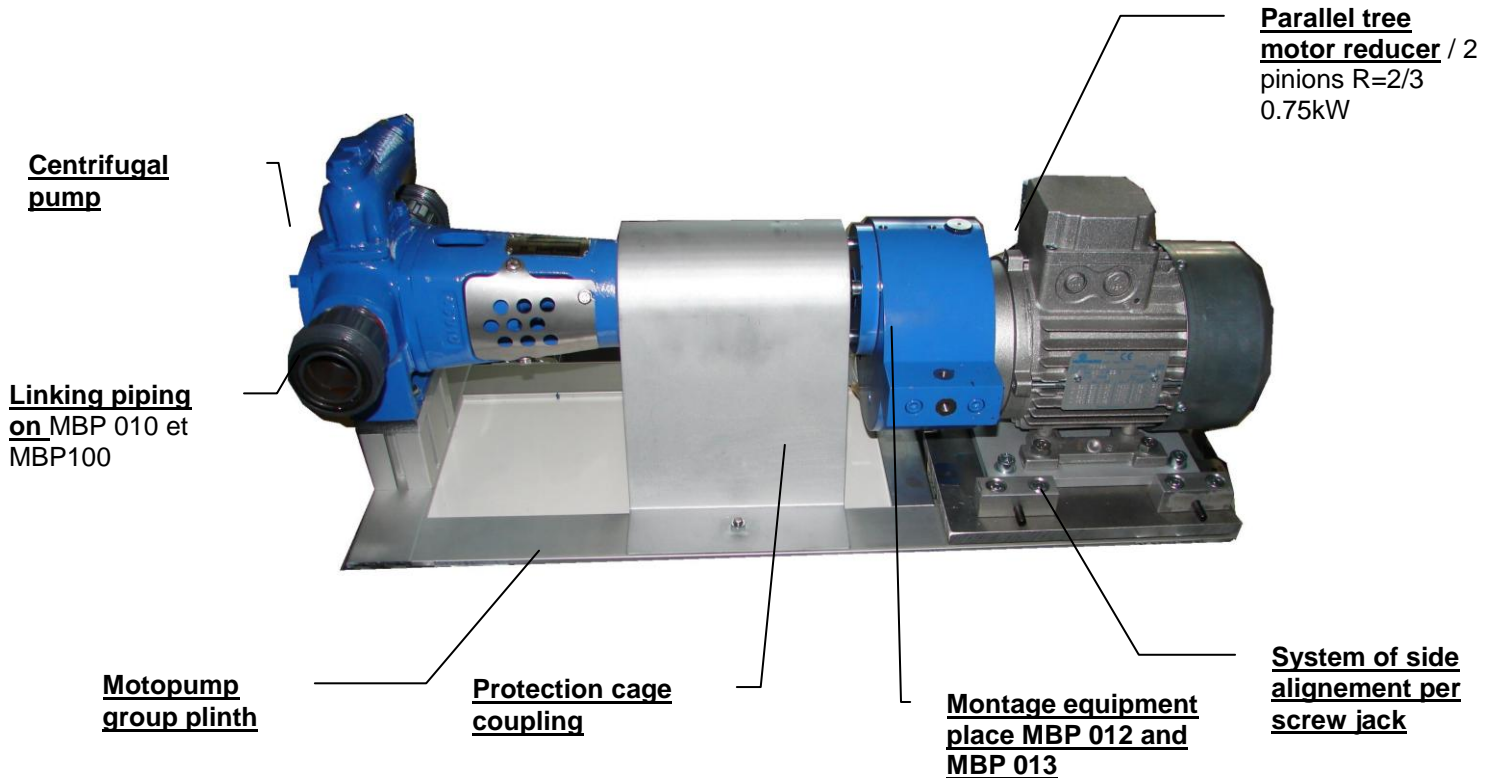
- The kit for predictive maintenance by vibratory analysis makes it possible to implement various techniques of diagnosis by vibratory analysis
- This kit is delivered with its kit of typically identifiable defects by vibratory, manual analysis teaching and technical file.
- Design, manufacture and industrial material.
- Implemented of simplified TP.
- The didactic interest of the MBP 011 is directed towards various levels and fields of studies going from the BEP to the BTS.



### TEACHING APPLICATIONS

- Diagnosis of major vibratory defects of an installation of the type groups motor-driven pump
- Replacement of the defective elements
- Adjustment of the geometry machine
- Kinematic study of the machine for a vibratory analysis

## Presentation of the system:



## Description of the components:

*Illustrations non contractuelles*

- 1 **motor-driven pump group centrifuges** made up of:
  - 1 parallel tree motor reducer velocity emission 2000tr/min approximately
  - 1 centrifugal pump
  - 1 coupling
- 1 sets of identifiable **defects** by vibratory analysis
  - 1 reducer shaft carrying 2 bearings and 1 defective pinion
  - 1 reducer shaft carrying 1 pinion and 2 bearings of which 1 is defective
  - 1 reducer shaft carrying 1 pinion and 2 bearings of which second is defective
  - 1 unbalance

Possibility also of creating vibratory defects by misalignment of the system (obtained by disordered state of the system)

Foot-note: the elements constituting the set of defects quoted previously are delivered gone up in subset in a specific case

- 1 **system of side alignment** per screw jack made up of an adjusting device per driving foot

The mechanical design of the system allows a great speed of implementation of all work practice (time necessary preparation of the teaching activity inferior to 3 minutes)

## Utilities:

- assembly on MBP 100 or MBP 010

# MBP 011



## Compatibility in the range:

- the MBP 011 is mountable indifferently on MBP 100 and MBP 010
- the MBP 011 constitutes the support for implementation of the activities of diagnosis and vibratory analysis on MBP 012 and MBP 013
- the MBP 011 is also compatible with the use of the materials of alignment of revolving machines MBP 021 and MBP 022