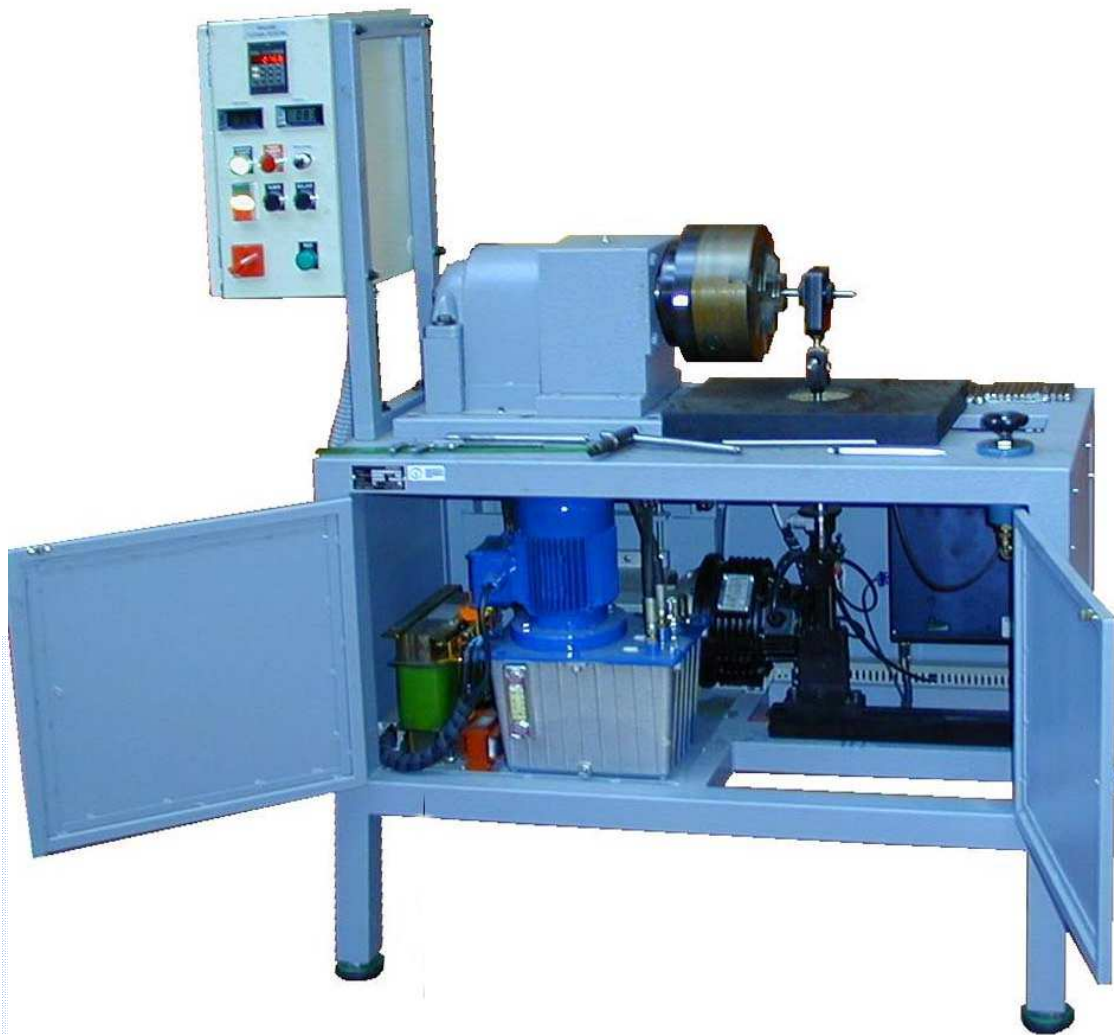


## ROTATING BENDING TESTS

Fatigue testing machine – Rotating bending machine



## Description

This machine has been designed to test bars of any material, under simultaneous rotating and bending stresses.

Its analog control allows the user to regulate the rotating speed and to program the number of cycles to perform.

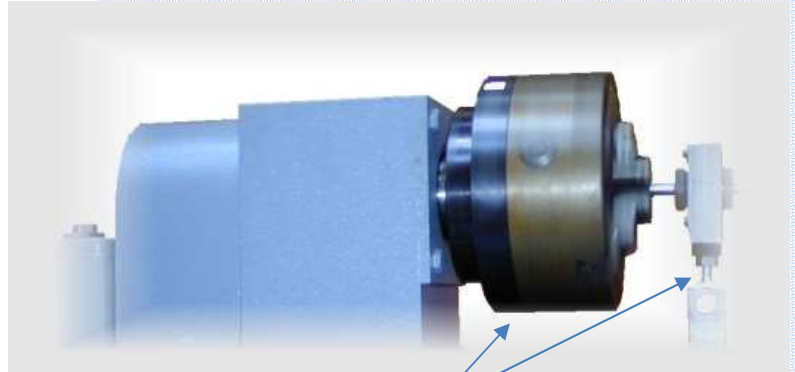
The test ends when the number of cycles programmed is reached, or when specimen failure occurs.

Applied flexure force is displayed.

An hydraulic actuator provides the system with the required flexure force, supplied with an hydraulic power unit. Force regulation is via pressure relief valve, that allows to regulate forces between 10 and 500 N.

## Features:

- ❑ Adjustable flexure forces between 10 and 500 N.
- ❑ Flexure arm adjustable between 100 and 200 mm distances.
- ❑ Rotating speed programable between 100 and 1000 r.p.m.

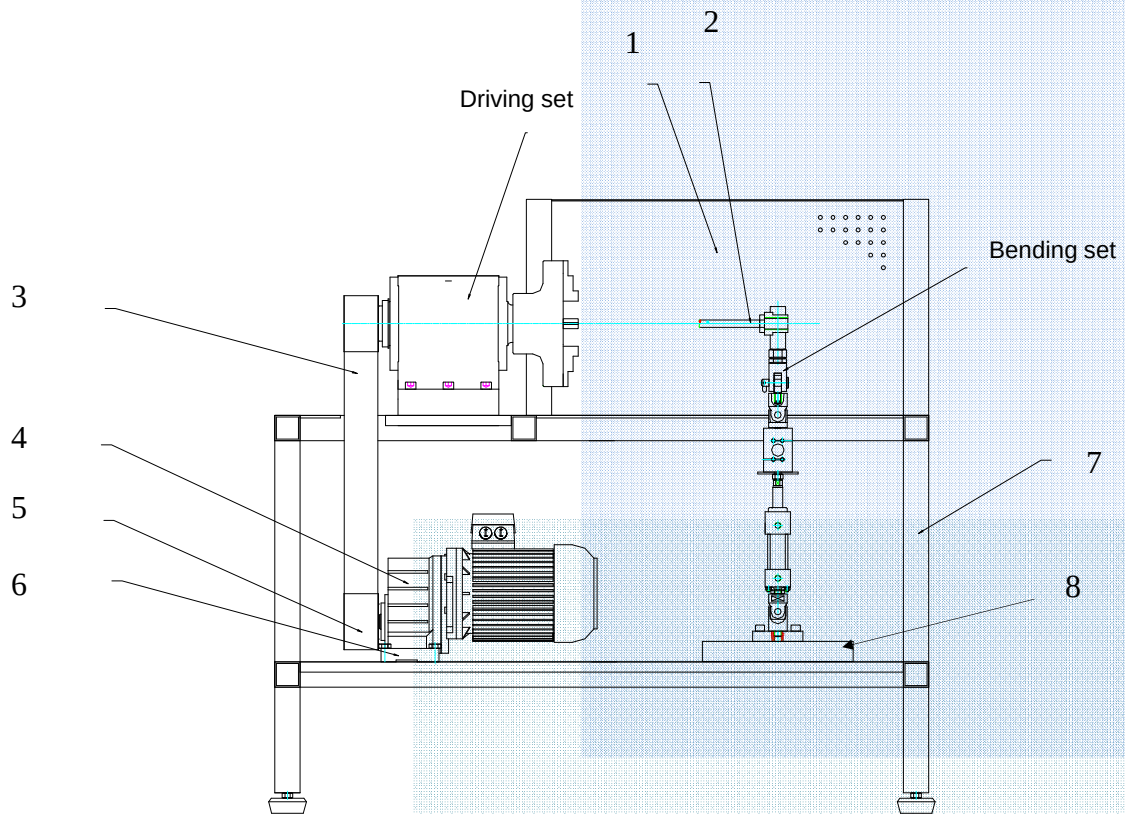


### INCLUDED ELEMENTS:

Clamp for Ø10 mm specimens in the load application end. For other diameters the clamp must be changed.

3-jaw chuck in the rotating end, where any specimen can be moored up to Ø 50 mm.

## Description



|   |                                   |
|---|-----------------------------------|
| 1 | Protective case                   |
| 2 | Specimen                          |
| 3 | Toothed belt                      |
| 4 | Geared motor                      |
| 5 | Toothed pulley                    |
| 6 | Fixing plate                      |
| 7 | Bench                             |
| 8 | Bending distance regulation base. |