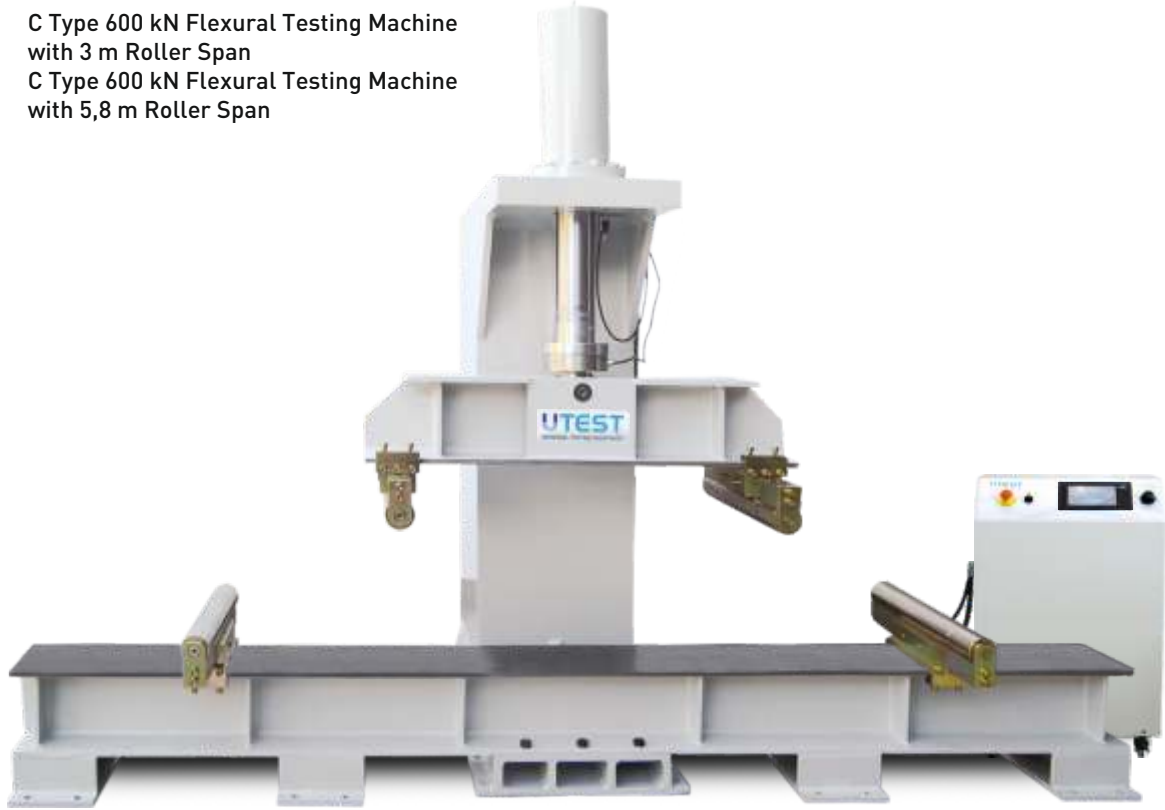




### Product Code

- UTC-5663.FPR C Type 600 kN Flexural Testing Machine  
with 3 m Roller Span
- UTC-5666.FPR C Type 600 kN Flexural Testing Machine  
with 5,8 m Roller Span



UTEST 600 kN capacity flexural testing machines are designed to support specific requirements of clients especially big sized concrete beam specimens. Different sizes of flexural testing machines such as these machines, can be produced to meet customers' specific need.

Tests can be performed by either on U-Touch PRO Control Unit or on a computer with using free UTEST Software. The advantages of performing tests on computer with using UTEST Software, such as reporting, graphical output, etc.

UTC-5663.FPR and UTC-5666.FPR Flexural testing machines allow inexperienced to perform the test. Once the machine is switched on and specimen is placed, then the only required operations are;

- Setting test parameters, including pace rate only required when the specimen type is changed.
- Pressing the START button on the control unit.
- The machine automatically starts the rapid approach; switches the test speed after 1% of the load capacity of the machine and stops once the specimen failure.
- Automatically saves the test parameters and test results.

The Machines consist of a rigid steel frame and hydraulic power pack with U-Touch PRO Control Unit and provide the stability needed for accurate and repeatable test results over the years of operation.

UTC-5663.FPR is supplied complete with Flexural testing assembly with 2 upper and 2 lower rollers (Ø40x520 mm)

UTC-5666.FPR is supplied complete with Flexural testing assembly with 2 upper and 2 lower rollers (Ø68x630 mm)

#### The main characteristics are:

- Closed loop control with automatic test procedure
- Has the accuracy of Class 1 starting from 2% of the full capacity.
- Supplied with factory calibration certificate for load measurement
- Can perform the test with load control
- The tests can be performed by controlling the machine either on U-Touch PRO control unit (UTC-4930.FPR) or on a computer with using free UTEST Software (USOFT-4830.FPR) which is provided free of charge with the machines.
- Load measurement with a loadcell
- High stability welded steel frame
- Easy loading and unloading specimens

#### Safety Features

- Maximum pressure valves to avoid machine overloading
- Piston travel limit switch
- Emergency stop button
- Software controlled maximum load value

## U-Touch PRO Control Unit for Automatic Compression / Flexure Testing Machines

U-Touch PRO Control Unit UTC-4930.FPR is designed to perform automatically compression, flexure and splitting tensile strength tests of construction materials such as concrete, cement mortar, masonry units/blocks by controlling the Utest automatic compression/flexure testing machines.

All the operations of U-Touch PRO are controlled from the front panel touch screen display.

U-Touch PRO Control Unit has easy to use menu options. It displays all menu option listings simultaneously, allowing the operator to access the required option in a seamless manner to activate the option or enter a numeric value to set the test parameters. Digital graphic display is able to draw real-time "Load vs. Time", or "Stress vs. Time" graphics.

PLEASE see the pages of "U-Touch PRO Control Unit for Automatic Compression/Flexure Testing Machines" for details of the properties.

## UTEST Software for Automatic Compression / Flexure Testing Machines

UTEST software USOFT-4830.FPR provides to perform automatically compression, flexure and splitting tensile strength tests of construction materials such as concrete, cement mortar, masonry units/blocks by controlling the Utest automatic compression/flexure testing machines.

The advantages of performing tests on computer with using UTEST Software, such as reporting, graphical output, etc. can be seen in detail at the pages of UTEST Software for Automatic Compression / Flexure Testing Machines.

| Product Code                                                    |            | UTC-5663          | UTC-5666          |
|-----------------------------------------------------------------|------------|-------------------|-------------------|
| Capacity                                                        |            | 600 kN            | 600 kN            |
| Ram Type                                                        |            | Double Acting     | Double Acting     |
| Ram Travel                                                      |            | 600 mm            | 600 mm            |
| Max. Clearance Between Lower Rollers                            |            | 3 m               | 5,8 m             |
| Max. Clearance Between Upper Rollers                            |            | 100 mm            | 200 mm            |
| Max. Clearance Between Upper Rollers                            |            | 1000 mm           | 2000 mm           |
| Max. Vertical Clearance (without accessories)                   |            | 860 mm            | 1040 mm           |
| Max. Vertical Clearance between upper and lower rollers         |            | 560 mm            | 660 mm            |
| Distance from the center of the piston to the side of the frame |            | 340 mm            | 375 mm            |
| Overall Dimensions                                              | Frame      | 3200x1400x2750 cm | 6000x1400x3000 cm |
|                                                                 | Power Pack | 610x460x1020 cm   | 610x460x1020 cm   |
| Weight (approx.)                                                | Frame      | 3550 kg           | 4350 kg           |
|                                                                 | Power Pack | 150 kg            | 150 kg            |