



## Universal Testing Machine, Hydraulic Type, 2000 kN, 220V, 380V/3ph

Code: 48-2000/01

Product Group: N/A

- Frame capacity of 2000 kN
- Cylinder stroke 200 mm
- Load-200Tonf (2000 kN) (included KOLAS calibration report)
- Bosch Servo Valve System (U.T.M Software Control Type)
- Open Type Hydraulic Grips System, Compression Grip 1set. 3-point bending Grip 1set. Grip For Round Bar 1set, Grip For Plate Bar 1set
- Extensometer: Gauge Length 25 ~ 70mm / measurement distance 50mm, Sensor Resolution 0.01mm, Round  $\varnothing$  ~ 35 $\varnothing$ , Thickness 5 ~ 30mm Above
- Controller: LCD Digital Indicator (Resolution 1/50,000) Force Control, Position Control, Force Resolution : 1/50,000, stroke resolution : 0.01mm

### FRAME SPECIFICATION

- Frame 4Post guide Type
- Open Type Hydraulic Grip Sytem
- By operation of Remote control
- Flate jaw faces 0 ~ 70mm Wide: 90 (Select 1set)
- Round jaw faces 10 ~ 80 $\varnothing$  (Select 1set)
- Bending Distance (mm), 50 ~ 500
- Punch Tips Radius (r'), 35
- Punch Width(mm), 160, 180
- Roller Diameter,  $\varnothing$  70
- Compression Plate,  $\varnothing$  250

## Specification

|              |           |            |
|--------------|-----------|------------|
| Max capacity | kN (Tonf) | 2000 (200) |
|--------------|-----------|------------|

# Product Sheet

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|                                           |                           |                                                      |
|-------------------------------------------|---------------------------|------------------------------------------------------|
| Load range                                | 2-step (Tonf)             | 200/20 Tonf                                          |
| Tensile                                   | Max tensile distance (mm) | 600                                                  |
| Tensile                                   | Grip for round bar (mm)   | Ø10 ~ Ø 25, Ø 25 ~ Ø 50, Ø 50 ~ Ø 80 / (Select 1set) |
| Tensile                                   | Grip for plate bar (mm)   | 0~50, 50 ~ 70 / Wide: 90 (Select 1set)               |
| Compression                               | Test stroke (mm)          | 800                                                  |
| Compression                               | Dia plate (mm)            | Ø250                                                 |
| Bending test                              | Bending distance (mm)     | 50 ~ 500                                             |
| Bending test                              | Punch Tips Radius (Ø)     | 25                                                   |
| Bending test                              | Punch width (mm)          | 160, 180                                             |
| Bending test                              | Roller diameter           | Ø70                                                  |
| Table size (mm)                           |                           | 1050 x 750                                           |
| Colume to colume                          |                           | 740                                                  |
| Max ram stroke (mm)                       |                           | 200                                                  |
| Crosshead speed (mm/min)                  |                           | 400                                                  |
| Crosshead motor                           |                           | Gearedmotor 1/30, 1kW                                |
| Speeding control valve                    |                           | Bosch Servo Valve                                    |
| Hydraulic Servo Control System            |                           | Power supply, load amp, displacement amp, servo amp  |
| Test speed (mm/min)                       |                           | 0.1~100mm/min (S/W Control Type)                     |
| Load sensor                               |                           | Load cell (200ton)                                   |
| Stroke sensor                             |                           | Position mater (0.01mm)                              |
| Hydraulic pump capacity                   |                           | 7cc                                                  |
| Total weight (kg)                         |                           | 4500                                                 |
| Power consumption                         |                           | AC 220V, 380V / 3ph                                  |
| Loading unit ( W x D x H)                 |                           | 1450 x 1000 x 2880                                   |
| Hydraulic unit (W x D x H)                |                           | 550 x 500 x 550                                      |
| Computer system lack unit ( W x D x H) mm |                           | 600 x 600 x 1700                                     |