

SUPERB AUTOCON



**MANUFACTURER
COMPRESSION
TESTING MACHINES
ESTD. 1969**

BUILDING FUTURE

HAND OPERATED CTM

STANDARDS: IS 516, BS1881

PORTABLE HAND OPERATED COMPRESSION TESTING MACHINES ARE ECONOMICAL AND LOW COST VARIANT OF COMPRESSION TESTING MACHINE. THESE MACHINES ARE EASY TO USE AND MAINTAIN.

- Useful for remote locations or mobile laboratories
- Sturdy, portable and stable
- For low capacity concrete / cement test (up to 1000kN)



CAPACITY AVAILABLE:

CAPACITY	25 TON	50 TON	100 TON	120 TON	200 TON
RAM DIAMETER (MM)	80	120	165	165	234
RAM TRAVEL (MM)	50	50	50	50	50
PRESSURE GAUGE	8"	8"	6"	8"	8"
LEAST COUNT (IN KN)	1KN	2KN	5KN	5KN	10KN
MAXIMUM PRESSURE (Kgs./cm)	480	480	480	640	480
PLATEN DIAMETER (MM)	200	200	220	220	300
HORIZONTAL CLEARANCE (MM)	210	210	240	240	310
VERTICAL DAY LIGHT (MM)	310	310	310	310	310
HEIGHT OF LOAD FRAME (MM)	670	670	750	750	890
WEIGHT OF MACHINE APPROX(Kgs.)	125	130	240	250	500
CUBE (MM)	50,70.6	50,70.6	100,150,	100,150	100,150
CYLINDER(MM)	100X200150X300	100X200150X300	100X200, 150X300	100X200, 150X300	100X200, 150X300



COMPRESSION TESTING ECO MODEL DIGITAL

Capacity: 1000, 2000 & 3000 kN

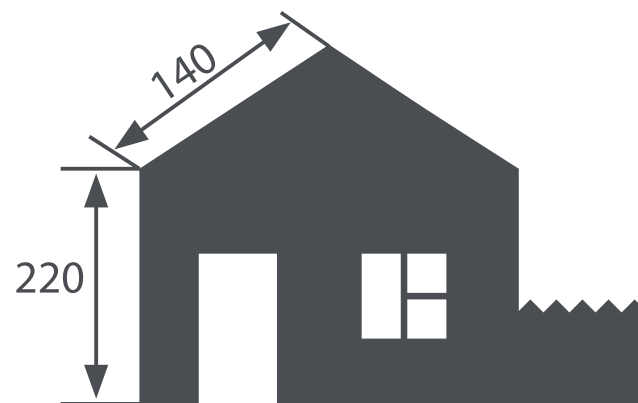
ECO COMPRESSION TESTING MACHINE IS MANUFACTURED TO PERFORM COMPRESSION TESTING ON CONCRETE CUBE AND CYLINDER SPECIMENS. IT IS A STURDY WELDED PLATE TYPE LOAD FRAME COMPLETE WITH HYDRAULIC POWER PACK ATTACHED TO IT SOLID MACHINED SPACERS ARE SUPPLIED TO TEST DIFFERENT SIZES OF CONCRETE SPECIMEN. THE PISTON IS DULY HARD CHROMED FOR FAST LIFT AND RETURN.

FEATURES:

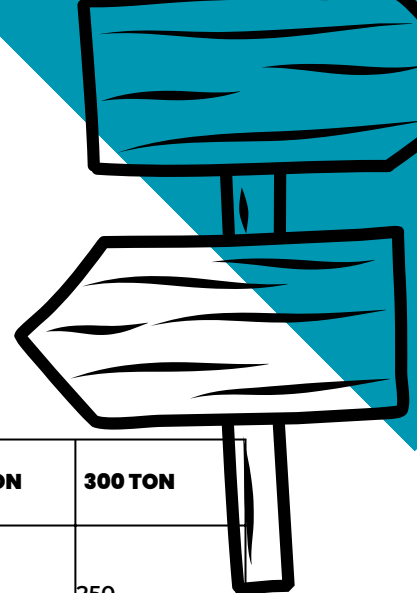
- Overload Cut Off Facility
- Piston Over Lift Cut Off Facility
- Compact & Sturdy Design Load frame to be Base Mount with Pump Clamped to frame
- Matt Finished PU Paint in Dark Color
- Push Buttons with Inbuilt Light Indicators
- Safety Lockable Door
- HARDENED AND GRINDED PLATEN ID PROVIDED



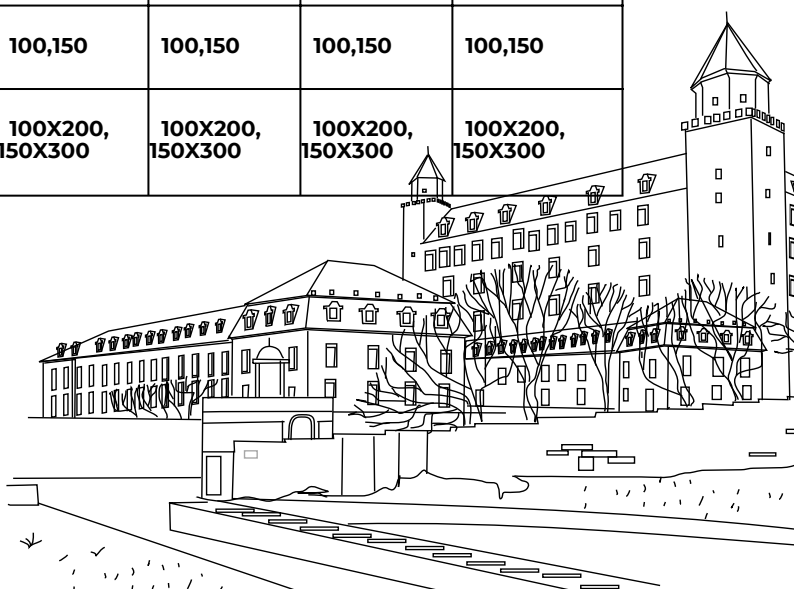
**Note: At the time of ordering, please specify, motor - phase:
(i) 440 V AC, Three Phase or (ii) 230V AC, Single Phase**



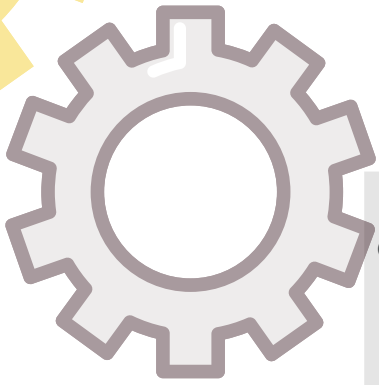
SPECIFICATIONS:



CAPACITY	25 TON	50 TON	100 TON	120 TON	200 TON	300 TON
RAM DIAMETER (MM)	80	120	165	165	234	250
RAM TRAVEL (MM)	50	50	50	50	50	50
PRESSURE GAUGE	NIL	NIL	NIL	NIL	NIL	NIL
MOTOR CAPACITY (VOLTAGE)	.5HP 230V	.5HP 230V	1HP 440V	1HP 440V	1HP 440V	1HP 440V
LEAST COUNT (IN KN)	0.1KN	0.1KN	0.1KN	0.1KN	0.1KN	0.1KN
MAXIMUM PRESSURE (Kgs./cm)	480	480	480	640	480	600
PLATEN DIAMETER (MM)	200	200	220	220	300	300
HORIZONTAL CLEARANCE (MM)	210	210	240	240	310	350
VERTICAL DAY LIGHT (MM)	310	310	310	310	310	310
HEIGHT OF LOAD FRAME (MM)	670	670	750	750	890	990
WEIGHT OF MACHINE APPROX (Kgs.)	210	210	330	340	580	850
CUBE (MM)	50,70.6	50,70.6	100,150	100,150	100,150	100,150
CYLINDER(MM)	100X200, 150X300	100X200, 150X300	100X200, 150X300	100X200, 150X300	100X200, 150X300	100X200, 150X300



COMPRESSION TESTING ECO SMART



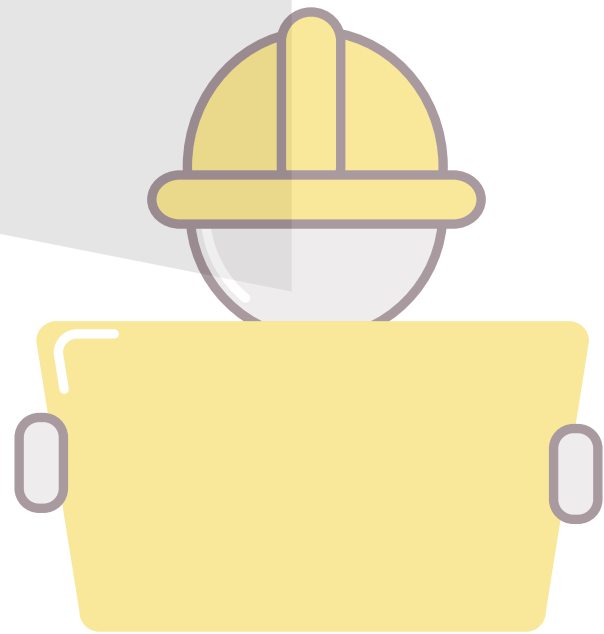
Smart Series

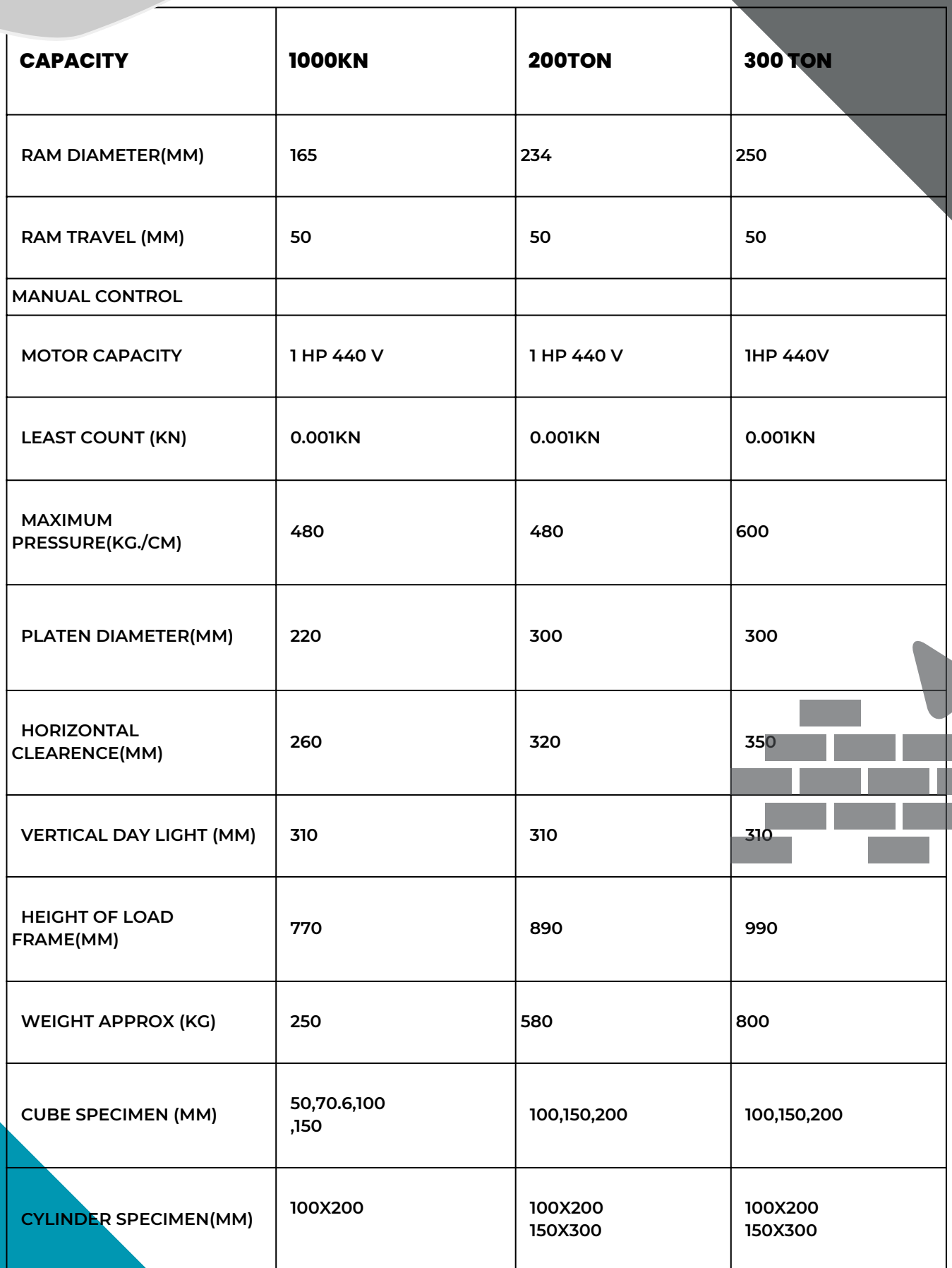
Capacity: 1000kN / 2000kN / 3000kN

Eco Smart Compression Testing Machine is a sturdy welded plate type load frame complete with hydraulic power pack attached to it solid machined spacers are supplied to test different sizes of concrete specimen. The piston is duly hardchromed for fast lift and return.

FEATURES:

- 7" LCD touch screen
- 10 point dynamic calibration facility
- On board printing facility
- Overload safety cut off facility
- CNC finished distance pieces supplied to accommodate specimen of different shapes / sizes
- Compact & sturdy design load frame to be base mount with pump clamped to frame
- Matt finished PU paint in dark color
- Emergency stop push button
- Safety lockable door
- Hardened and Grinded platen
- Real-time graph for load vs time
- Sample id, test id and lab id can be input onboard
- Weight and age of specimen can be input onboard
- SCADA software available (at additional cost)
- Meets the key specification of IS -516 & IS 14858 and other ASTM, EN and BS standard depending on
- Actual pace rate display in KN/sec
- Automatic stress determination and display.
- Self aligning platen .
- Data storage approx 100000 records on pen drive with graph in .csv/.jpeg format
- Peak stress calculation based on sample type and shape.
- No external PC or software needed, so simple to learn and use
- 5% overload protection to calibrate the machine to full load





CAPACITY	1000KN	200TON	300 TON
RAM DIAMETER(MM)	165	234	250
RAM TRAVEL (MM)	50	50	50
MANUAL CONTROL			
MOTOR CAPACITY	1 HP 440 V	1 HP 440 V	1HP 440V
LEAST COUNT (KN)	0.001KN	0.001KN	0.001KN
MAXIMUM PRESSURE(KG./CM)	480	480	600
PLATEN DIAMETER(MM)	220	300	300
HORIZONTAL CLEARANCE(MM)	260	320	350
VERTICAL DAY LIGHT (MM)	310	310	310
HEIGHT OF LOAD FRAME(MM)	770	890	990
WEIGHT APPROX (KG)	250	580	800
CUBE SPECIMEN (MM)	50,70.6,100,150	100,150,200	100,150,200
CYLINDER SPECIMEN(MM)	100X200	100X200 150X300	100X200 150X300



CTM ECO AUTO SMART



Smart Series Capacity: 1000kN / 2000kN / 3000kN

Eco AutoSmart Compression Testing Machine is a Sturdy welded plate type load frame complete with hydraulic power pack attached to it. Solid machined spacers are supplied to test different sizes of concrete specimen. The piston is duly hard chromed for fast lift and return. Pace rate specific for 150mm cube



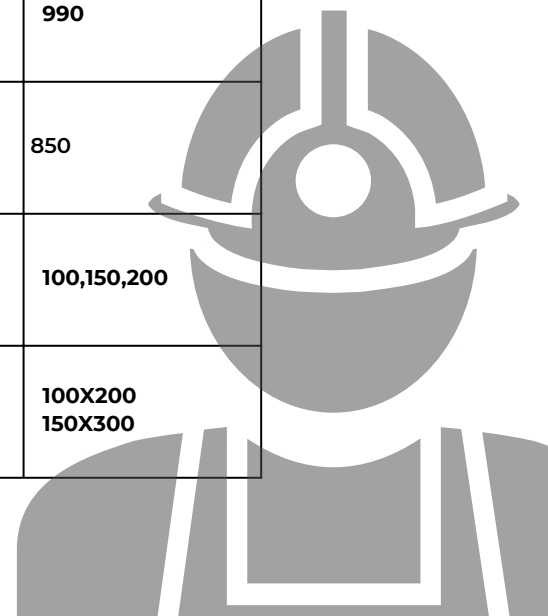
FEATURES:

- 7" LCD touch screen
- 10 point dynamic calibration facility
- On board printing facility
- Overload safety cut off facility
- CNC finished distance pieces supplied to accommodate specimen of different shapes / sizes
- Compact & sturdy design load frame to be base mount with pump Clamped to frame
- Matt finished PU paint in dark color
- Emergency stop push button
- Safety lockable door
- Hardened and grinded platens
- Real-time graph for load vs time
- Sample id, test id and lab id can be input onboard
- Weight and age of specimen can be input onboard
- 230 V AC, single phase motor
- SCADA software available (at additional cost)
- Meets the key specification of IS -516 & IS 14858 and other ASTM, EN and BS standard depending on platens and accessories chosen.
- Actual pace rate display in KN/sec
- Automatic stress determination and display.
- Self aligning platen.
- Data storage approx 10000 records on pendrive with graph in .csv/.jpeg format
- Peak stress calculation based on sample type and shape.
- No external PC or software needed, so simple to learn and use
- 5% overload protection to calibrate the machine to full load





CAPACITY	1000KN	200TON	300 TON
RAM DIAMETER(MM)	165	234	300
RAM TRAVEL (MM)	50	50	50
PACE RATE (KN/SEC)	1.0 TO 15.0 KN	1.0 TO 15.0 KN	1.0 TO 15.0 KN
MOTOR CAPACITY	1 HP 230 V	1 HP 230 V	1HP 230V
LEAST COUNT (KN)	0.001KN	0.001KN	0.001KN
MAXIMUM PRESSURE(KG./CM)	480	480	600
PLATEN DIAMETER(MM)	220	300	300
HORIZONTAL CLEARANCE(MM)	260	320	380
VERTICAL DAY LIGHT (MM)	310	310	310
HEIGHT OF LOAD FRAME(MM)	770	890	990
WEIGHT APPROX (KG)	250	580	850
CUBE SPECIMEN (MM)	50,70.6,100,150	100,150,200	100,150,200
CYLINDER SPECIMEN(MM)	100X200	100X200 150X300	100X200 150X300



ECO SERVO SMART

Smart Series

Capacity: 1000kN / 2000kN / 3000kN



An advanced servo compression testing machine developed by Superb Autocon is a robust compression tester manufactured as per International Standards. Equipped with touch screen display, this machine is easy to use and maintained.

The load frame is a sturdy welded plate type complete with hydraulic power pack attached to it. Solid machined spacers are supplied to test different sizes of concrete specimen. The piston is duly hard chromed for fast lift and return. Pace rate specified for all size of cubes, cylinders, rock, Paver blocks, Interlocking tiles.

FEATURES:

- 7" LCD touch screen
- 10 point calibration facility with auto/manual pace rate regulator
- On board printing facility
- Overload cut off facility
- Piston over lift cut off facility
- Compact & sturdy design load frame to be base mount
- Pump clamped to frame
- Matt finished PU paint in dark color
- Safety lockable door
- Hardened and grinded platens.
- Automatic pace rate control from 0.1kN/sec to 20kN/sec
- Real time graph for Load vs Time
- Safety for over lift of jack with limit switch cut of facility
- USB pen drive port for data saving
- Solid CNC finish distance piece
- SCADA Software available (at additional cost)





SPECIFICATIONS

CAPACITY	25 TON	50 TON	100 TON	200TON	300 TON
RAM DIAMETER(MM)	100	120	170	250	300
RAM TRAVEL (MM)	50	50	50	50	50
PACE RATE (KN/SEC)	.1KN-6KN	.1KN-6KN	.1KN-10KN	.5KN-20KN	1KN-20KN
MOTOR CAPACITY	.5HP 230 V	.5HP 230 V	1HP 440V	1HP 440V	1HP 440V
LEAST COUNT (KN)	0.1KN	0.1KN	0.001KN	0.001KN	0.001KN
MAXIMUM PRESSURE(KG./CM)	320	440	440	400	400
PLATEN DIAMETER(MM)	200	200	220	300	300
HORIZONTAL CLEARANCE(MM)	210	210	240	310	380
VERTICAL DAY LIGHT (MM)	310	310	310	310	310
HEIGHT OF LOAD FRAME(MM)	670	670	750	890	990
WEIGHT APPROX (KG)	210	210	330	580	950
CUBE SPECIMEN (MM)	50,70.6	50,70.6	100,150	100,150	100,150
CYLINDER SPECIMEN(MM)	100X200 150X300	100X200 150X300	100X200 150X300	100X200 150X300	100X200 150X300



3IN 1 ECO SERVO SMART FLEXTURE



Capacity

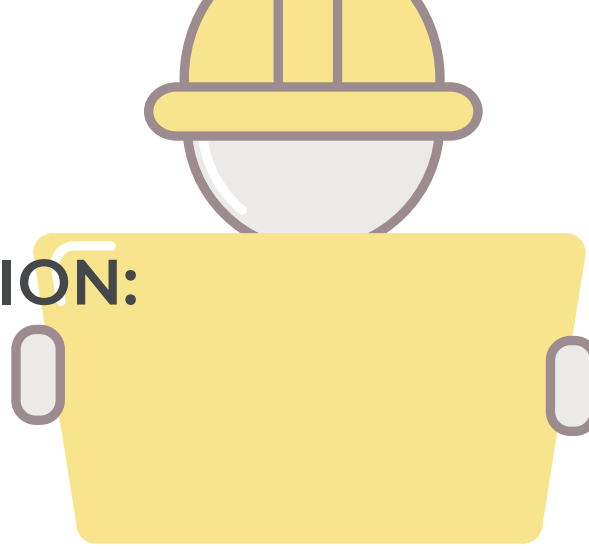
100kN / 500kN / 3000kN

AN ADVANCED 3IN1 SERVO SMART FLEXTURE CTM MANUFACTURED BY SUPERB AUTOCON .IT IS A ROBUST COMPRESSION TESTER MANUFACTURED AS PER INTERNATIONAL STANDARDSEQUIPED WITH TOUCH SCREEN DISPLAY , MACHINE WITH EASY INTERFACE FOR BETTER USEABILITY AND STABILITY STURDY WELDED PLATE TYPE LOAD FRAME WITH ATTACHED HYDRAULIC POWER PACK.

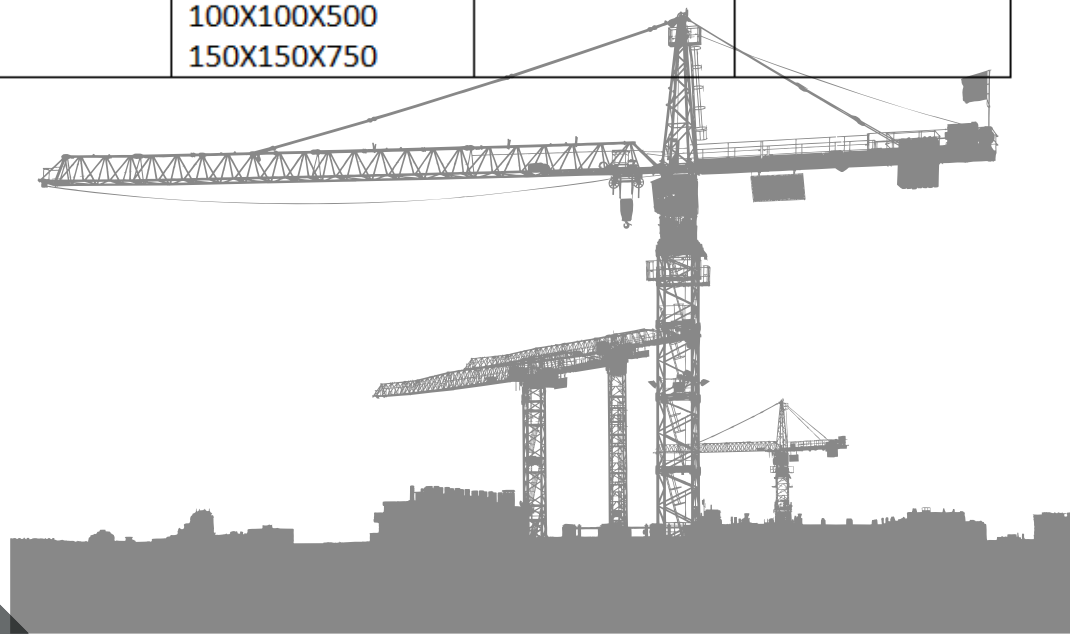
FEATURES:

- AUTO PRINT TEST REPORT
- USB PORT FOR DATA TRANSFER
- DATA STORAGE OF 10 LAKH TEST'S ON PEN DRIVE
- EASY USER INTERFACE WITH 7" TOUCH SCREEN
- ITALY MADE PRESSURE SENSOR
- SIEMENS CONTROL
- PRESETS SIZES STORED
- LIVE GRAPH (LOAD VS TIME)
- OVERLOAD & OVERTIME AUTO CUTOFF
- AUTO MPA INDICATOR
- 10 POINT CALIBRATION WITH PASSWORD PROTECTION
- COMPACT DESIGN
- AUTOMATIC PACE RATE CONTROL MACHINE
- LVDT FOR CALCULATING MODULUS OF ELASTICITY (OPTIONAL)
- SCADA SOFTWARE (OPTIONAL)
- PACERATE ACCURACY 1% +/-
- CALIBRATION ACCURACY 0.5% +/-
- AUTOMATIC RELEASE WITH TIMER
- AUTOMATIC VALVES FOR FRAME CHANGE

SPECIFICATION:



CAPACITY	100 KN	500KN	3000KN
RAM DIAMETER(MM)	165	300	300
RAM TRAVEL (MM)	50	50	50
LEAST COUNT (KN)	0.001KN	0.001KN	0.001KN
MAXIMUM PRESSURE	50 BAR	70BAR	400 BAR
PLATEN DIAMETER(MM)	FLLEXTURE	300	300
HORIZONTAL CLEARANCE(MM)		380	380
VERTICAL DAY LIGHT (MM)	160	310	310
PACE RATE	0.03KN/SEC- 2KN/SEC	0.1KN-6KN/SEC	1KN-20KN/SEC
HEIGHT OF LOAD FRAME(MM)	ATTACHED	1000	1000
WEIGHT APPROX (KG)		1100	1100
CUBE SPECIMEN (MM)		50,70.6,100	100,150
CYLINDER SPECIMEN(MM)		100X200 150X300	100X200 150X300
BEAM	100X100X500 150X150X750		

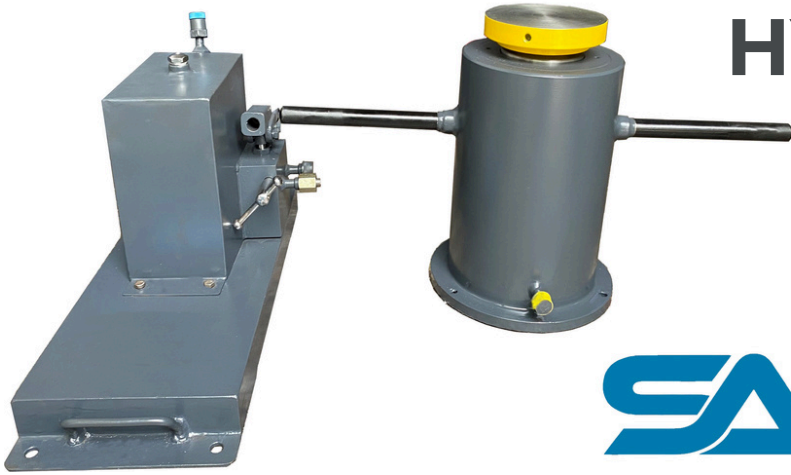


SPECIFICATION:

CAPACITY	100 KN	500KN	2000KN
RAM DIAMETER(MM)	165	250	250
RAM TRAVEL (MM)	50	50	50
LEAST COUNT (KN)	0.001KN	0.001KN	0.001KN
MAXIMUM PRESSURE	50 BAR	100BAR	400 BAR
PLATEN DIAMETER(MM)	FLLEXTURE	300	300
HORIZONTAL CLEARENCE(MM)		320	320
VERTICAL DAY LIGHT (MM)	160	310	310
PACE RATE	0.03KN/SEC- 2KN/SEC	0.1KN- 6KN/SEC	1KN- 20KN/SEC
HEIGHT OF LOAD FRAME(MM)	ATTACHED	900	900
WEIGHT APPROX (KG)		750	750
CUBE SPECIMEN (MM)		50,70.6,100	100,150
CYLINDER SPECIMEN(MM)		100X200 150X300	100X200 150X300
BEAM	100X100X500 150X150X750		



HYDRAULIC JACK

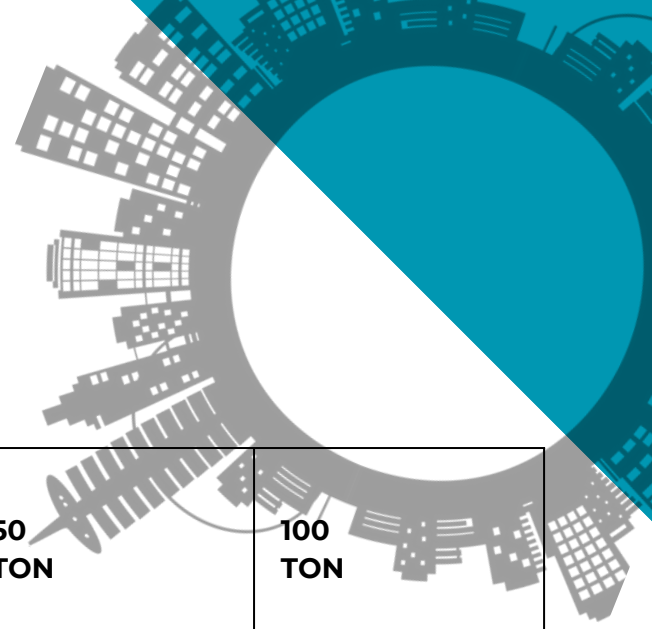


SINGLE ACTION HYDRAULIC JACK


Hydraulic Jacks have multipurpose utility, i.e. application of loads while engaged in field investigation, determination of load carrying capacity of piles in the field, tensioning of wires in pre-stressed structures, loading of members of any structure for deformation characteristics etc. The jacks are supplied complete with manually operated pumping units fitted with bourdon tube type load gauge and high-pressure flexible hose pipe. All the jacks have a piston travel of 50 mm and jacks upto 5000 kN capacity are provided with retraction springs.



SPECIFICATION:



CAPACITY	25 TON	50 TON	100 TON
RAM DIAMETER(MM)	82	116	165
RAM TRAVEL (MM)	150	150	150
PRESSURE GAUGE	8"	8"	8"
LEAST COUNT (IN KN)	1KN	2KN	5KN
MAXIMUM PRESSURE (Kgs./cm)	480	480	480
HEIGHT OF JACK CLOSED HEIGHT (MM)	320	330	330



RAPTOR

COMPRESSION
TESTING
MACHINE



CAPACITY - 2000KN



FEATURES

- 6 POINT DYNAMICS CALIBRATION
- OVERLOAD SAFETY CUT-OFF FACILITY
- COMPACT AND STURDY LOADFRAME DESIGN
- 230 V AC AND 440 V AC MOTOR
- AUTOMATIC STRESS DETERMINATION & DISPLAY
- PEAK STRESS CALCULATION BASED ON SAMPLE TYPE



SPECIFICATION

CAPACITY	200TON	HEIGHT OF MACHINE	1400 MM
RAM DIAMETER(MM)	215	MOTOR CAPACITY	1HP 440V
RAM TRAVEL (MM)	20	WEIGHT APPROX.	500KG
LEAST COUNT (KN)	0.001KN	CUBE SPECIMEN	70.6,100 & 150
MAXIMUM PRESSURE	550 KG./CM	CYLINDER SPECIMEN	100X200 , 150X300
PLATEN DIA(MM)	220 MM		
HORIZONTAL CLEARANCE	280 MM		
VERTICA DAYLIGHT	310 MM		

LAUNCH* NEW

AUTO RAPTOR

COMPRESSION
TESTING
MACHINE



CAPACITY - 2000KN



FEATURES

- 4" LCD TOUCH SCREEN
- 10 POINT DYNAMICS CALIBRATION
- PACE RATE 1.0KN/SEC TO 10.00 KN/SEC
- OVERLOAD SAFETY CUT-OFF FACILITY
- COMPACT AND STURDY LOADFRAME DESIGN
- REAL TIME LOAD VS TIME GRAPH
- 230 V AC , SINGLE PHASE MOTOR
- AUTOMATIC STRESS DETERMINATION & DISPLAY
- DATA STORAGE APPROX. 10,000 RECORD WITH GRAPH
- PEAK STRESS CALCULATION BASED ON SAMPLE TYPE



SPECIFICATION

CAPACITY	200TON	HEIGHT OF MACHINE	1400 MM
RAM DIAMETER(MM)	215	MOTOR CAPACITY	1HP 440V
RAM TRAVEL (MM)	20	WEIGHT APPROX.	500KG
LEAST COUNT (KN)	0.001KN	CUBE SPECIMEN	70.6,100 & 150
MAXIMUM PRESSURE	550 KG./CM	CYLINDER SPECIMEN	100X200 , 150X300
PLATEN DIA(MM)	220 MM		
HORIZONTAL CLEARANCE	280 MM		
VERTICA DAYLIGHT	310 MM		

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