

UVE

Measurement Equipment

HYDRAULIC FORCE
CALIBRATION MACHINES

AUTOMATIC
HYDRAULIC
FORCE
CALIBRATION
MACHINES

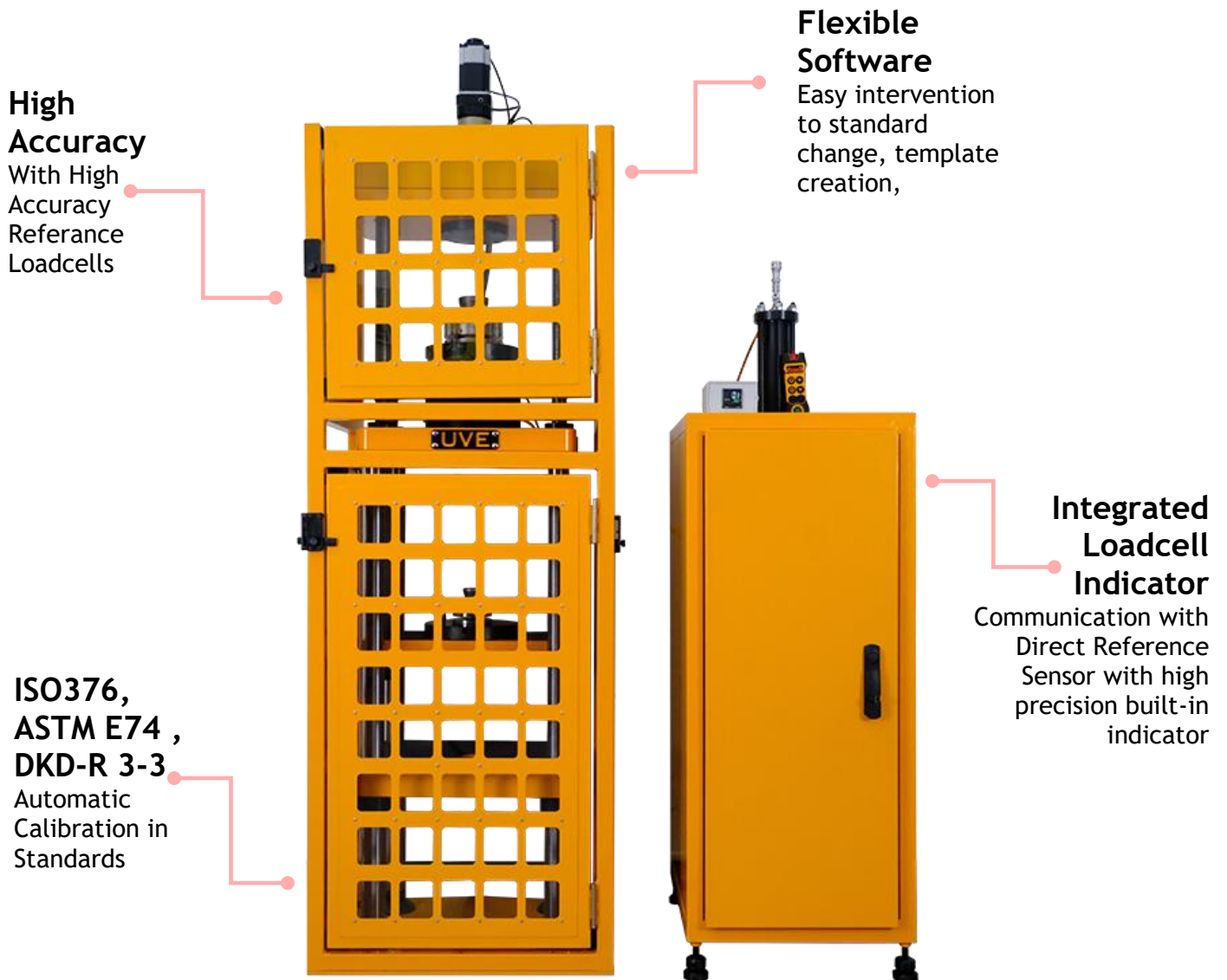


UVE THE BRAND THAT LEAD THE QUALITY

UVE Hydraulic Force Calibration Machines

Hydraulic Force Calibration machine and automation system, load cells, dynamometers, crane scales, force rings etc. can be used manually or automatically, developed to calibrate force measuring devices such as force measurement devices precisely and accurately.

System; It consists of machine body, 2 hydraulic pistons, automation panel, software, computer and connection parts.



Our Advantages



- While calibrating the operator in accordance with ASTM E74, ISO 376 or DKD-R 3-3 standards, the system automatically records the data collection process instead of manually typing..
- The operator does not need to wait at the machine during the calibration. Except for the rotational test steps, there is no obligation to stand by the machine during the calibration.
- In the calibration of devices that do not have an analog signal output and a communication interface, instant data is automatically recorded with the camera integrated into the system, independent of the operator.
- By recording the measurement results in the software database, previous test data results can be accessed.
- The system allows to automatically assign the collected data to the relevant columns of the calibration template arranged in excel format. Apart from the calibration standards, data can also be saved on special type templates.
- The conversion time of measurement data into certificate is short. It is possible to convert the data collected in the template directly into a certificate.
- Without the need for an external reference force indicator, it can directly perform the force conversion of the analog signal received from the reference load cell with a 3-degree polynomial equation.
- According to the changing calibration methods, the user can create a new procedure and easily prepare the appropriate procedure for the method change without the need for the manufacturer.

Software

- The software allows the system to be used automatically and manually.
- The system automatically receives the outputs of the reference force measuring device from the defined indicator device.
- The software automatically performs the calibration procedure of force measuring devices in accordance with ASTM E74 , ISO 376 or DKD-R 3-3 standards. Only the rotation of the load cell around its own axis is done by the operator as per the calibration procedure during the calibration.
- For a change in standards or a different calibration procedure, the operator can easily create a new procedure.
- The system communicates with the PC via ethernet and with the display unit via the serial port or appropriate communication port.
- The software saves the collected data in a format suitable for processing in excel and displays the relevant record.
- Due to automatic recording of measurement results, operator-related errors are eliminated.



Technical Specs

Specs	UVE HYDRAULIC FORCE CALIBRATION MACHINES						
	HKKM-125	HKKM-200	HKKM-250	HKKM-500	HKKM-1000	HKKM-2000	HKKM-5000
Capacity max. (kN)	125	200	250	500	1000	2000	5000
A x B (mm)	1850x500	2000x515	2650x565	2950x690	3050x730	3350x800	4450x1150
C / D / E / F / G (mm)	375/300/275/500/340	375/300/275/500/340	465/300/375/600/340	510/300/375/600/410	470/325/485/650/410	650/400/550/850/500	850/650/650/1000/800
H x I x J (mm)	500x1950x450	500x1950x450	610x2125x540	610x2125x540	610x2125x540	680x2250x600	750x2550x700
Pan Weight (kg)	100	160	300	340	420	1100	2080
Calibration Method	Compressing and Tension direction						
Use	Manuel, Automatic						
Controller Speed	0-20 mm/sn						
Time To Full Capacity	0-30 sn						
Software	UVESOFT-HKKM V3.0						
Supply voltage	220 V / 50-60 Hz						
Loadcell	Ability to Define Reference Load Cell						
Standards	Ability to create ASTM E74, ISO 376, DKD-R 3-3 and Procedures						
Drive System	23 Bit resolution Servomotor						

