

Test Beds

Our test beds are specifically designed for proof and destructive loading of steel wire ropes, synthetic ropes, chains, shackles etc. according to DIN ISO 2307 and EN 12385. The accuracy of our machines is higher than Class 1 according to EN ISO 7500-1.

They are easy to use and are manufactured according to the current European machinery directive 2006/42/EG. We design and manufacture test beds with a capacity from 200kN to 30.000kN, to suit individual customer's requirements.



This picture shows a 250t machine with options

You can benefit from our:

- In House Machine Building
- Worldwide Service
- Standard Machines or Custom Made
- Upgrade of Existing Machines
- Expert advice by our Experienced Personnel



Technical Data									
Capacity (kN)	500	1.000	1.500	2.000	2.500	3.000	5.000	6.000	7.500
Breaks rope wire with a rated strength of 1.960 N/mm ² to Ø	26 mm	38 mm	48 mm	54 mm	58 mm	64 mm	84 mm	90 mm	104 mm
Standard max. insertion length (mm)	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Inside distance between main frames (mm)	500	1.000	1.000	1.000	1.000	1.000	1.400	1.400	1.600
Distance between carriage stops (mm)	500	500	500	500	500	500	500	500	750
Test bolts Ø (mm)	80	110	130	180	190	200	238	268	280
Jaw width (mm)	100	135	150	240	250	240	250	260	250
Cylinder stroke length (mm)	1.000	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500 x 2
Cylinder fast approach speed (mm/sec)	10	10	10	10	10	10	10	10	10
Cylinder testing speed (mm/sec)	4	4	4	4	4	4	4	4	4
Motor output (kW)	3	5,5	7.5	11	11	15	22	30	55
Total weight (frame and cylinder) (kg)	4.200	12.500	13.500	17.500	18.500	19.000	20.800	23.800	29.700

These are standard dimensions for reference purposes. All machines are built to order and can be customised to fit your individual requirements.

Selection of some of our models



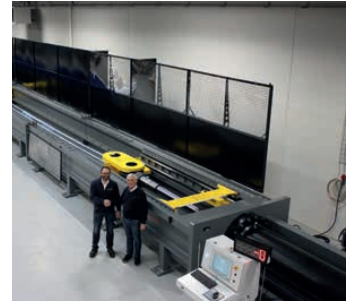
200kN



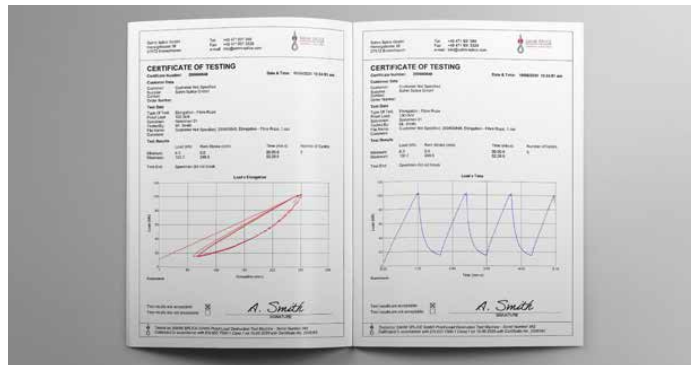
1000kN



3000kN

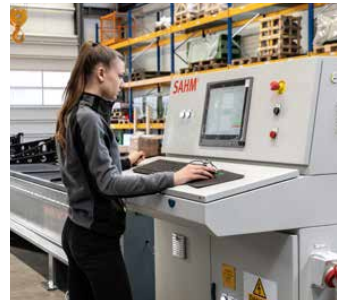


5000kN



Test Certificate

Operating units



Touch screen control unit



Manual control unit

Technical characteristics



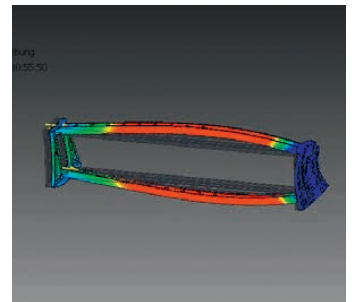
Additional small cylinder



In house 3D design



Custom-built model



FEM analysis

Test examples



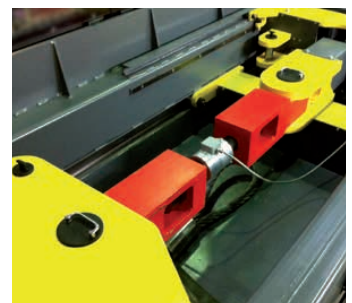
Wire rope testing



Fibre rope testing



Webbing sling testing



Calibration service