

High Capacity Steel Bending and Folding Machine Series BDM up to 2000 kN

w+b

w+b offers testing machines for Bending Tests according to different standards including ISO 7438, ASTM A615, DIN 50121 and others.

We have developed the BDM series for Bending, Reverse Bending and Folding of Flat Steel Sheets, Plates and Fracture Toughness Bend Specimens (SEB) for fracture analysis.

This test system provides high force combined with operator convenience. Main parts are a vertical servohydraulic long stroke actuator equipped with force measurement system, two horizontal actuators to move and adjust the distance of the lower bend supports, integrated camera system to observe sample cracks, sample handling system and flexible digital control system with application software. Mandrels of different radiuses can be easily and conveniently installed as well as lower support rollers can be exchanged. The support distance is automatically adjusted according to pre-defined templates for selected sample. The coaxial integrated camera records the bend sample surface and allows the operator to stop the test once visual cracks in the sample occurs. As the system allows testing of large and heavy specimens there is an integrated manual sample handling / loading system that enables the introduction of such bulky specimens easily into the testing machine.



Dimensional drawing BDM-2000 kN

