

BENDING TEST

The bending flexural test provides modulus of elasticity in bending values, flexural stress, flexural strain and the flexural stress-strain response of the material.

The upper-positioned cylinder applies the bending force to specimen at preset angle. Then two oppsite horizontal cylinders bend the specimen to required angle.

The common test requires machines which allow 180° bend test with complete sets of mandrels according to international standards.

BENDING





BTV Series

> BTV series Bending Testing Machines designed with compact cast steel structure, high stiffness and ergonomic.
> All models designed with three hydraulic cylinders structure.
> Two horizontal positioned cylinders, controlled by highly precise synchronous valve with and error less than 2%, and one upper positioned cylinder, which apply the force to bend the specimen under test.

BTV series features:

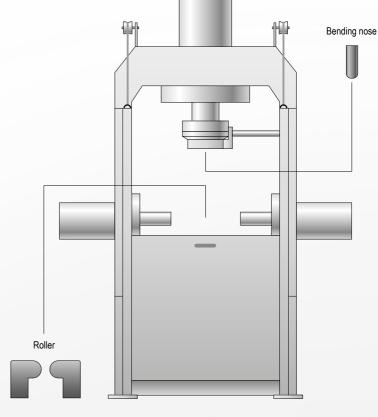
- > Automatic and manual bending test
- > High accuracy, reliability and stability load cell
- > Self-calibration system which allow to perform automatic calibration, force and displacement, in according to the standards
- > High speed DSP control electronics
- > Overload protections
- > Full range stepless 1/500000 resolution controller
- > Low noise hydraulic unit

BTV series machines are in according to the follow international standards:

- > ISO 5173
- > ISO 7438
- > GOST 6996
- > ASTM A 370
- > ASTM E 190
- > ASTM E 290

For selection the correct bending testing machine must be choosen:

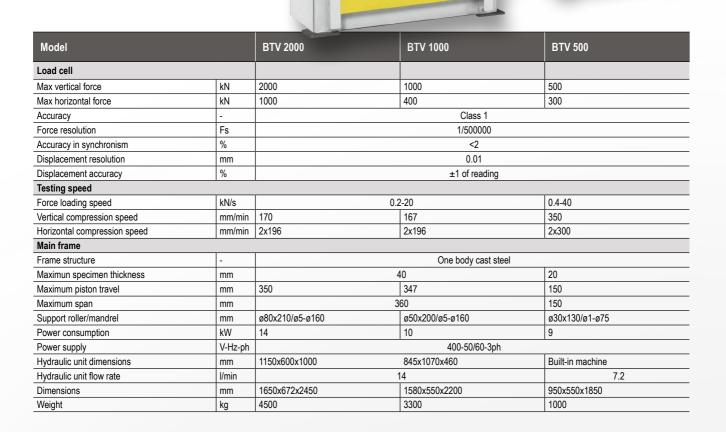
- > Frame type according to load capacity
- > Mandrels diameters according to standard indications





ech**bAB**

BTV Series



echb AB BTV 1000



Accessories				
Computer Syste	em			
Computer System	ECHOCS01	Computer		
	ECHOCS02	Monitor		
	ECHOCS03	Color printer		
	ECHOCS04	Mouse		
	ECHOCS05	Keyboard		
Mandrels		Mandrels		
Model	Bending nose diameter	Model	Bending nose diameter	
BTV460018	18mm	BTV460075	75mm	
BTV460024	24mm	BTV460080	80mm	
BTV460030	30mm	BTV460084	84mm	
BTV460032	32mm	BTV460088	88mm	
BTV460036	36mm	BTV460096	96mm	
BTV460040	40mm	BTV460100	100mm	
BTV460042	42mm	BTV460108	108mm	
BTV460048	48mm	BTV460112	112mm	
BTV460054	54mm	BTV460120	120mm	
BTV460056	56mm	BTV460128	128mm	
BTV460060	60mm	BTV460132	132mm	
BTV460064	64mm	BTV460140	140mm	
BTV460066	66mm	BTV460144	144mm	
BTV460072	72mm	BTV460150	150mm	
NOTE: On request different bending noses and support roller diameters available, e.g. BTV460XXX		BTV460160	160mm	
		BTV460180	180mm	
	, . 3	BTV460200	200mm	
			NOTE: On request different bending noses	
		and support roll	and support roller diameters available, e.g. BTV460XXX	

