

Specimen Blanking Press Model 150

**For producing tensile
specimens and
circular blanks**



testing equipment for quality management

ERICHSEN

**max. blanking force
500 kN or 1000 kN**

**For Production
and Laboratory**

**With
electro-hydraulic
drive**

The **Specimen Blanking Press, Model 150**, is an easily operated and economical machine for producing tensile specimens and circulars blanks from all ferrous and non-ferrous metals. There are two versions available: one generating a blanking force of 500 kN and the other generating a blanking force of 1000 kN.

All sample dimensions to correspond with German and International Standards can be produced by using the appropriate blanking tools. Non-standard sample dimensions can also be produced upon request. The maximum sheet thickness to be blanked is 3 mm (blanking force 500 kN) or 6 mm (blanking force 1000 kN). The upper limit of sheet thickness refers to material having a tensile strength of 400 N/mm². If material having a different tensile strength is used, then the maximum sheet thickness which can be blanked is altered in accordance with this either upwards or downwards.

The ERICHSEN Model 150 is subject to very little wear, and incorporates the experience gained in producing electro-hydraulic and electronically controlled testing machines.

The drive unit, the main pressure cylinder as well as the electric and hydraulic equipment are mounted in a steel cabinet and are easily accessible. By actuating the main switch, the forward and return stroke of the blanking piston can be controlled by means of a two hand engagement system. The maximum stroke of the blanking piston is 30 mm. At the upper and lower starting position of the pressure piston, the hydraulic system is depressurized by means of overload valves. An easily readable pressure indicator with dial gauge enables quick read-off of the blanking

forces. The blanked out samples fall through the bed table into a channel where they can be easily removed from the machine.

The blanking tools are supplied in an enclosed design which enables quick tool changing to be carried out which is especially favourable when producing samples of different dimensions. Blanking tools are graduated to correspond with the sheet thickness ranges to be blanked, i.e. 0.2 - 1.2; 1.2 - 3.0; 3.0 - 4.5 and 4.5 - 6.0 mm.

It is recommended that you include with the enquiry a sample or a simple drawing of the required specimen shape or we would ask you to give the standard reference with material thickness and tensile strength so that we can comply with your wishes in all situations.

Order Information	
Order No.	Product Description
0026.01.31	Specimen Blanking Press, Model 150-500 Blanking force 500 kN
0026.02.31	Specimen Blanking Press, Model 150-1000 Blanking force 1000 kN

For further details as well as the necessary accessories please refer to our price list no. 150/E.

The right of technical modifications is reserved.
TBE 150 - V/2001

Technical Data

	<u>Model 150-500</u>	<u>Model 150-1000</u>
Dimensions (W x D x H)	610 x 860 x 1700 mm	1200 x 1050 x 2000 mm
Net weight, approx.:	980 kg	1700 kg
Tool mounting surface:	420 x 420 mm	500 x 500 mm
Electrical connection:	230/400 V, 50 Hz	230/400 V, 50 Hz
Blanking speed:	approx. 350 mm/min	approx. 350 mm/min
Stroke, max.:	50 mm	50 mm
Motor performance:	4 kW	7,5 kW
Blanking force:	500 kN	1000 kN
Stripping force:	370 kN	500 kN