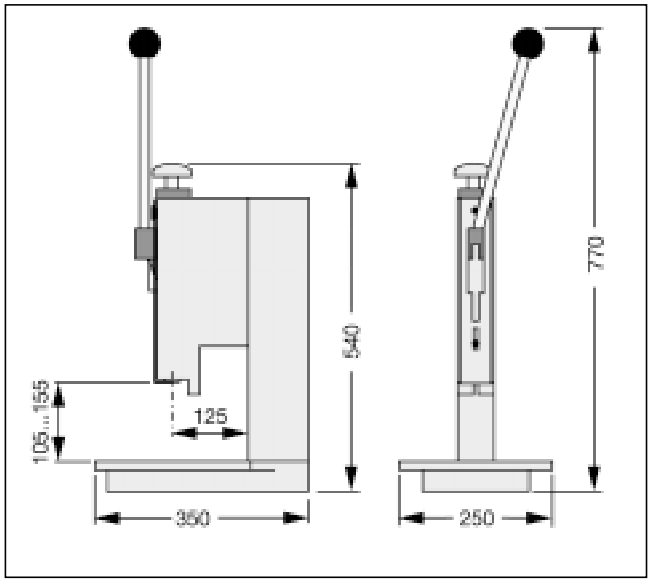
Product information



Range of application
The Cutting Press ZCP020 is designed for the production of specimens from samples with a hardness of up to 85 Shore A. The specimens are cut from elastomers, foams, paper, foils and plastic materials. The press works by the toggle lever principle. Its progressive action gives accurate sample preparation with low operator force for comfort and ease of use.

Advantages and special features

- **Robust construction and practical design**
  The supporting structure consists of a base plate and a solid stand, which are rigidly joined, thus becoming a stable unit. Supported on the stand is the cutting head on which all the important functional units are combined, e.g. the toggle lever, blanking punch, vertical adjustment, ejector stop and return spring.

- **Versatility with safety**
  The Cutting Press can be installed on any working or laboratory table. Its weight and its centre of mass at the back guarantee stability and safety, even if high leverages are applied. Therefore, it is not absolutely necessary to affix it to the table. The Cutting Press may also be mounted at an optimum height against a firm wall.

- **Capability to cut thick samples**
  Due to the considerable blanking punch stroke of 41mm specimens can still be easily cut out from thick samples, e.g. foams, and they can be easily removed from the cutting dies.

- **Efficiency means low effort**
  The toggle lever lengths were selected for efficiency so that a 30% higher cutting force, compared to conventional devices, is obtained when starting the cut.

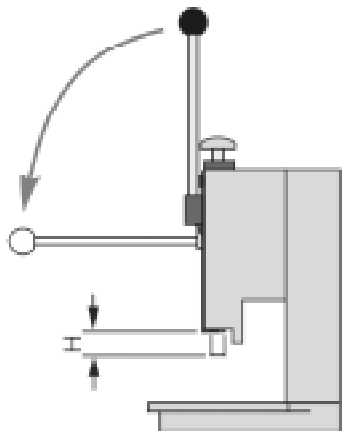
- **Automatic sample ejection**
  Integrated in the cutting head is an ejector stop. This stop is located between blanking punch and cutting die and as soon as the blanking punch moves back, the specimen is automatically ejected from the cutting die. The position of the ejector stop automatically follows during fine vertical adjustment and thus, a separate vertical adjustment of the ejector stop is not necessary.

Cutting Press ZCP020

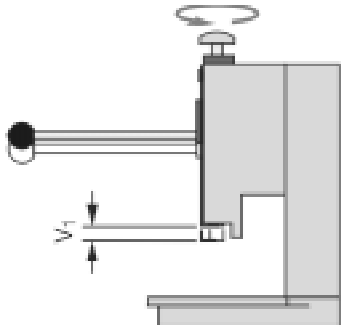
Simple vertical adjustment
During the design, particular importance was attached to the simple, quick and exact vertical adjustment of the blanking punch to easily accommodate different heights of cutting dies. Only a few simple adjustments are required:

- By means of the screw knob, it is possible to adjust the toggle lever system with the blanking punch and ejector stop fitted to precisely 25 mm without having to unscrew any locking devices or screwed fittings at all. One turn corresponds to 1 mm.
- For greater height variations, e.g. when mounting a larger table for bigger specimens, you may displace the cutting head by another 25 mm by simply releasing two screws in the stand. Alignment pins ensure exact positioning and load transmission.
- If still greater heights or overhangs are required, e.g. to cut out specimens from the rubber coating of a large roller, then the cutting head may also be fixed to a special device which can be specially designed for the purpose.

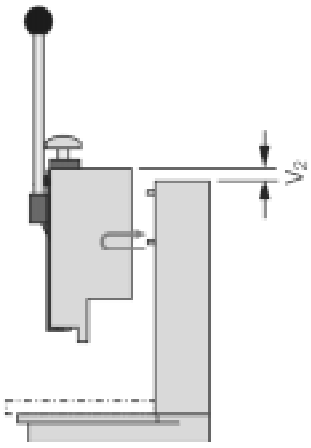
Technical data	
Max. pressure force:	approx. 20 kN
Blanking punch stroke:	41 mm
Distance blanking punch/table (without cutting die, ejector and cutting plate)	105 ... 155 mm
Vertical adjustment:	
- stepless	25 mm
- fixed	25 mm
Overhang:	125 mm
Height of the cutting plate:	5 mm
Table surface:	250 mm x 250 mm
Weight:	approx. 55 kg
Dimensions:	see dimensional figure



a) blanking punch
H=41,3 mm



b) stepless vertical adjustment
V_1=0...-25 mm



c) fixed vertical adjustment
V_2=25 mm