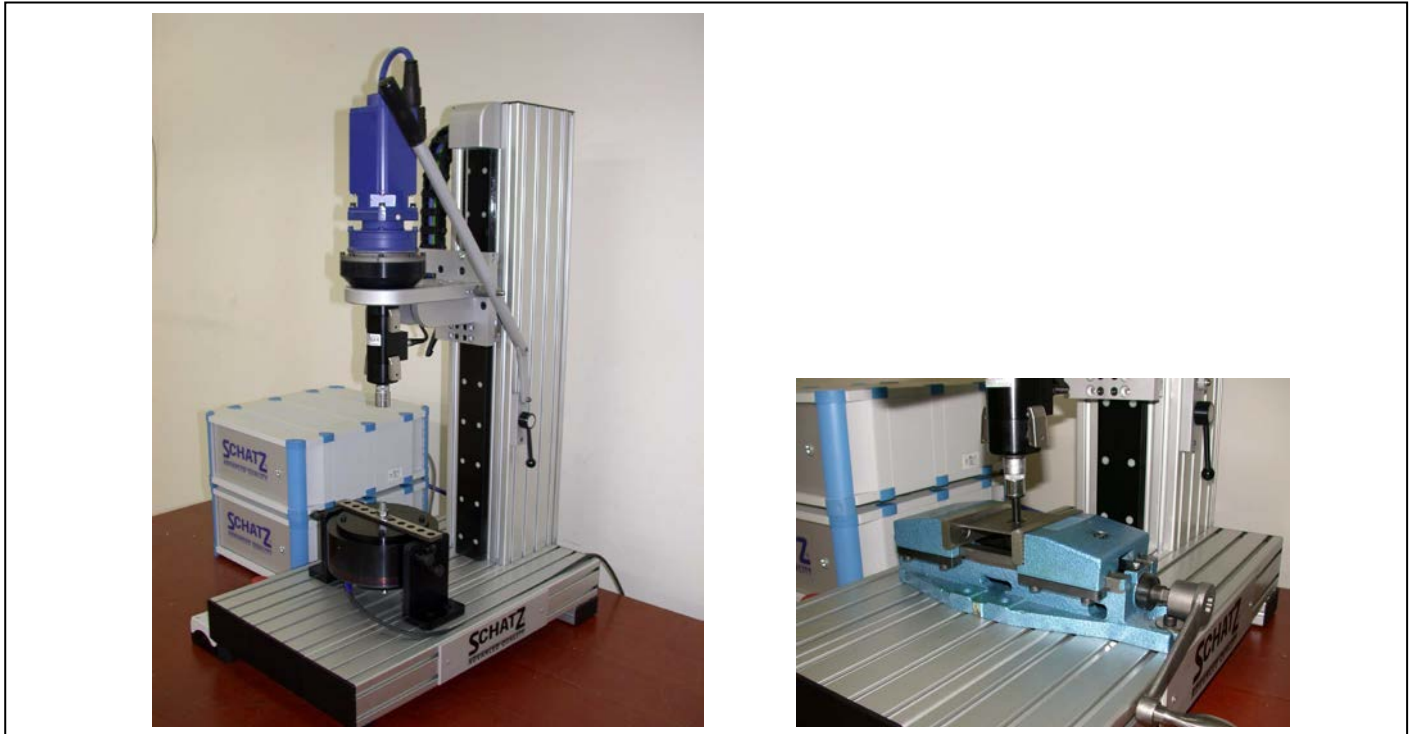


SCHATZ®-ANALYSE

Vertical mechanical fixture for use up to 200 N·m

SCHATZ®
ADVANCED QUALITY



- designed for torques up to 200 N·m
- fingertip guidance of drive units
- large grooved table for attaching test specimens
- stable attachment of torque/angle transducers

Application

This jig can be used for a wide variety of applications in combination with SCHATZ Analyse *testXpert* and the Model 5413-2777/xx test and measurement unit, such as testing screws for wood and plastics, testing self-tapping screws and thread-forming screws, and testing the friction torques of switches, hinges and throttle valves.

The vertically arranged mechanical elements provide smooth fingertip guidance, secure attachment of torque/angle transducers from the 5413-12xx/C model series, stably guided drive units, manual carriage locking, counterbalancing, and well-defined application forces.

The system is normally operated manually. It can also be fitted with an electrical or pneumatic positioning system.

Description

The interchangeable drive unit, which is mounted on a carriage, travels vertically along an extruded aluminum frame on a recirculating ball-bearing guide. The drive unit is fitted with a brushless servomotor, and depending on the model used, it can provide a maximum torque of 200 N·m or a maximum rotational speed of 1000 rpm.

The weight of the carriage is balanced by a counterweight, and it can be easily moved up and down using a hand lever. The lever unit of the handle can be adjusted in height. A stop on the hand lever prevents the handle from turning over. A quick-change mechanism allows the basic position of the carriage to be readjusted quickly and easily.

The desired application force can be applied using the hand lever or by placing weights on the motor carriage. The carriage can be secured in any desired position using a clamp.

Optional control elements and protective fixtures are also available, and special models using electrical or pneumatic positioning can be supplied.

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Technical data	
Model no.	5413-4502 H
Maximum torque	200 N·m
Working surface	400 × 500 mm (excluding the guide rails, which have a depth of 12 mm)
Clearance	400 mm clearance (depending on drive unit used)
Working stroke	approx. 150 mm using hand lever
Height above top of table	120 mm
Special features	Drive axis positioned above the center of the working surface.
Weight	approx. 135 kg
Rated temperature range	-10° C to +40° C

Dimensions and connectors	
Dimensions (L × W × H)[mm]	680 × 408 × 1004

