

SWETEST

Product Description **Specimen Marking Machine model SMM 286**

The machine is designed for the application of gauge length marks on tensile specimens in order to evaluate the ultimate strain properties after rupture of the specimen.

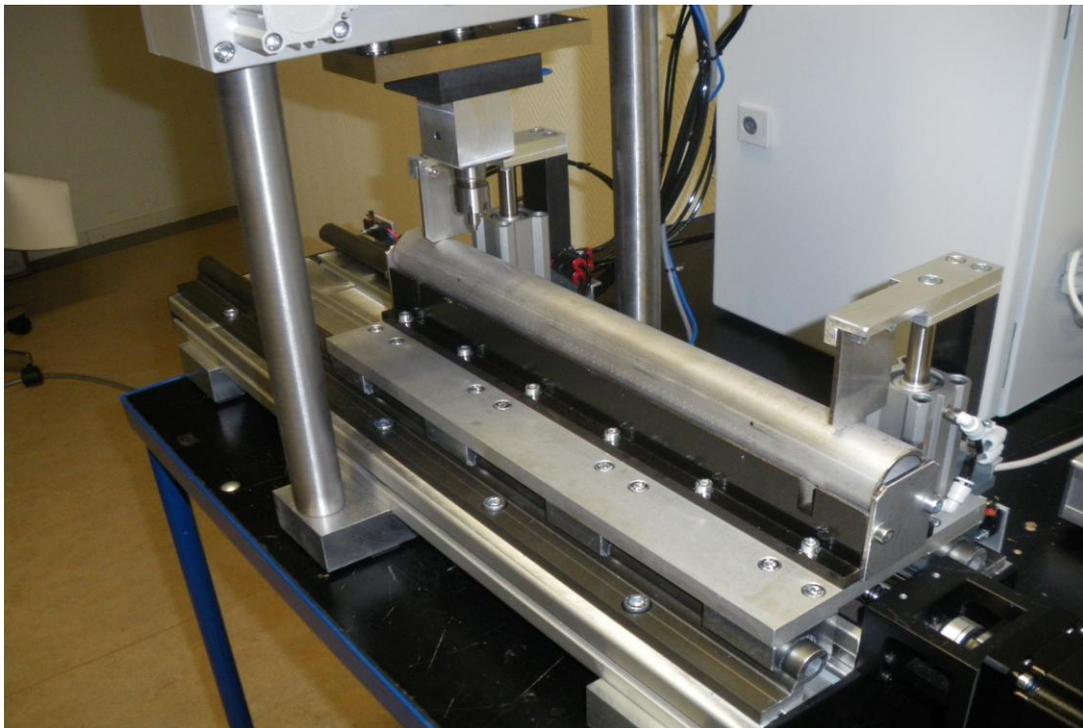
Applicable standards are EN 10002-1:2001 and ASTM E8-04.

Depending on the geometrical shape of the specimen the machine can be equipped with supports for round or rectangular cross sections. This description concentrates on the machine equipped with support for round / tubular specimens.

The marking of the specimen is performed by a pneumatically actuated conical indenter. The automatic marking sequence is controlled by a micro processor integrated with the motor unit. Precision mechanics achieve very high positional accuracy as well as a controlled shape of the indentation itself.

The control software for the motor and the marking procedure is installed in the micro processor of the motion system in the factory.

The punching force and punching speed is factory set for best performance, however can easily be adjusted for specific needs. Thus it is possible to mark tubular specimen with different wall thicknesses and diameters without causing crack initiation. The marking range of 250 mm is located concentric to the overall specimen length of 400 mm.



Specifications

SMM 286, version A, equipped for round and tubular specimen.

Overall specimen length	400 mm
Specimen diameter range	8 – 40 mm
Total marking length	250 mm
Marking divisions	5 mm
Total number of divisions	50
Accuracy of any marking position	< 0.05 mm
Time to perform 51 markings	approx. 25 s
Compressed air supply	min. 0.6 MPa (6 Bar, 600 kPa)
Electrical supply	230 V AC, 50/60 Hz, 450 VA.
Shipping weight	approx. 90 kg

Options:

other ranges of specimen diameters

other supply voltages

other max. specimen lengths

Version for both rectangular and circular cross sections



Overview

Swetest Instrument AB

SE 13226 Saltsjö-Boo / Sweden

phone: +46-8 718 3345 info@swetest.se www.swetest.se