specimen-grinding-machine

PSM2000 Generation 14

- With the experience of more than 70 year for testing equipment
- continuously improvement process of the product
- unbeatable quality of sheet metal tensile specimens
- for single specimens or up to 300 and more specimens / day
- unique parallelism von 0,02mm
- excellent edges to have the best results for R+N-values
- also suitable for parallel strips of tubes and belts
- New in 2020: improved precision guides, improved belt guides

Specimen-grinding-machine PSM2000 / Generation 14

For high precision tensile specimens

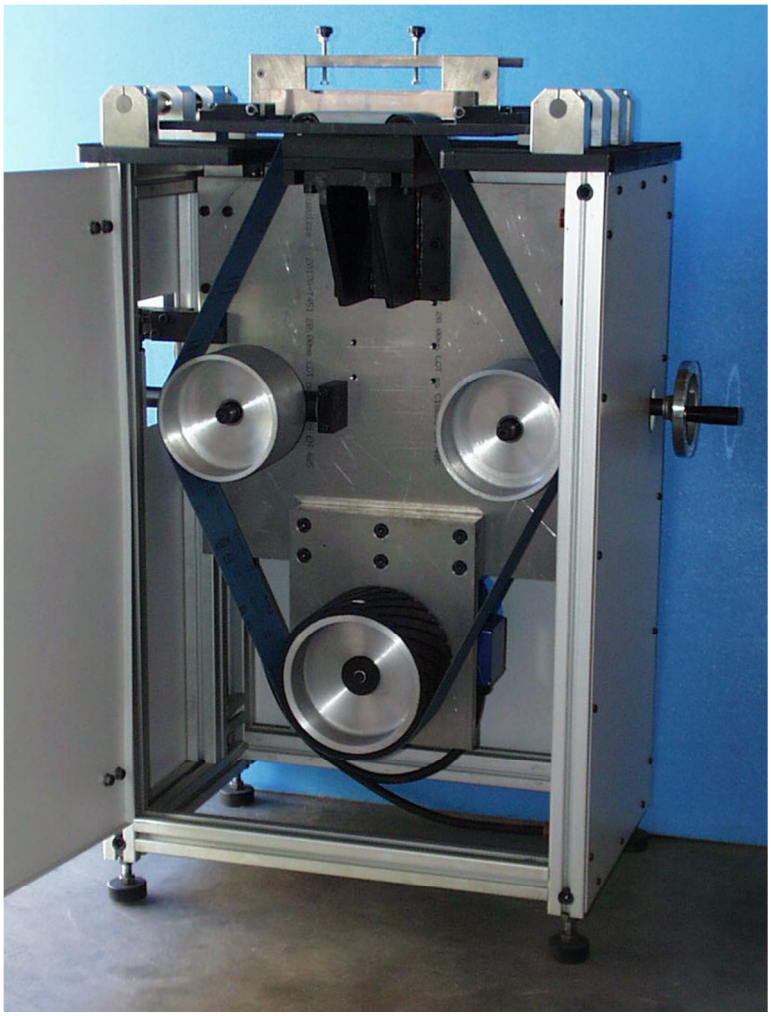
For high precision tensile specimens according
ISO6892, ASTM, JIS, BS, AFNOR or all other standards for sheet metal specimens.

Accurate and reproducible test results dependent on the precision of tensile specimen preparation.

Blanking is the most efficient and economical method of specimen preparation (if the damaged zone can be remove very quick an economically). For this function we designed the specimen grinding machine PSM2000. This "contour" grinding machine removes the cold hardened edge inside of the parallel length within a short time and grants a high accuracy of the specimens.

Even if you have critical materials this helps to receive correct results in ReH/Rp0.2 and helps to receive up to 1/3 more elongation (removing the initial micro cracks…

Parallelism guaranteed is better than 0.02 mm / 0.0008" as per IDDRG recommendation.



Weight approximate	: 200 kg
Dimensions w/h/d cm	: 92 x 112 x 46
	: with hood: h 125
Painting	: RAL 7035 light grey
Power supply	: 400V/50Hz/1kW (others on request) 16 A CEE socket
length of grinding belt	: 2000 mm
Speed of grinding belt	: 15 m/sec

Numbers of specimen each handling:

depending on the thickness of the sheet metal specimen up to 25 mm total batch. This can be a single specimen or a mix up to 15 mm.

If specimen is bended don't screw them with tool (only hand knob). With grinding belt grain 80 = 15 mm can be fine / with grinding belt grain 60 = 25 mm can be fine

Reserved right to change specifications without notice