

Laboratory car wash for determining the scratch resistance of coatings



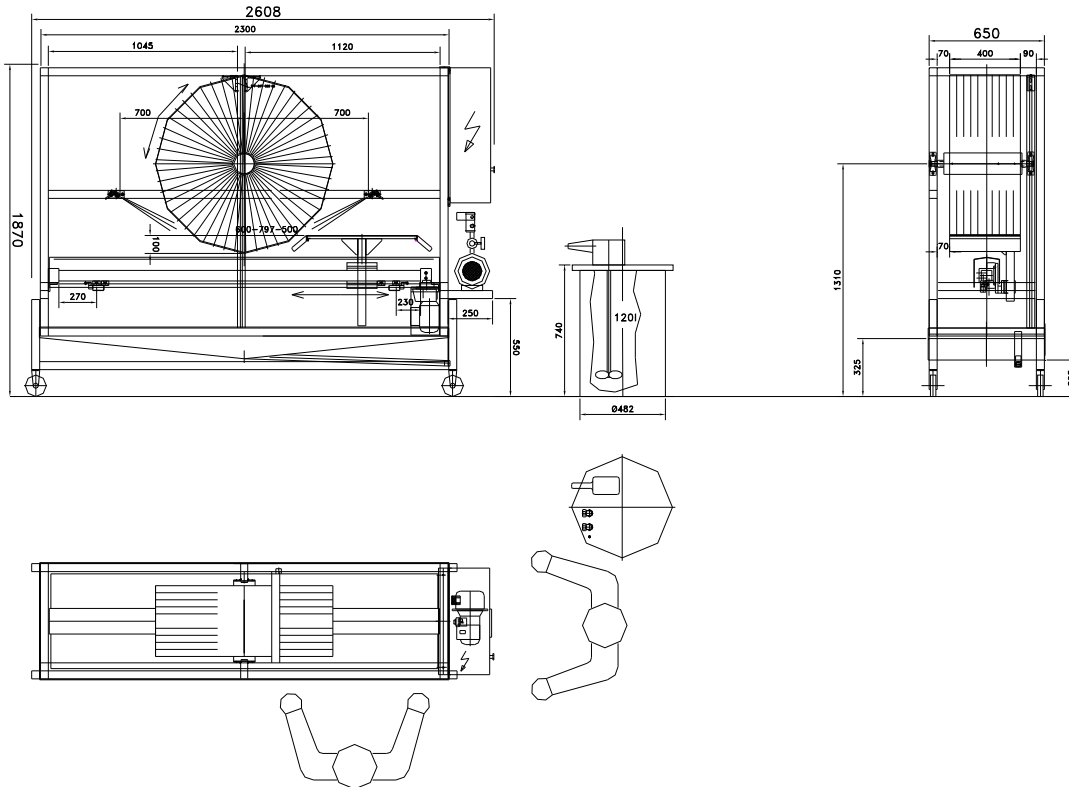
The Amtec Laboratory Car Wash tests according to DIN EN ISO 20566 as realistically as possible the demands that automotive outer body shell paints and other surfaces are subjected to in automatic car washes. During the process test panels are moved back and forth beneath a horizontally rotating washing brush. In order to achieve results which are as realistic as possible and to accelerate the test procedure, silica flour is added to the washing water to simulate dirt.



Characteristics

- ☑ For carrying out tests according to DIN EN ISO 20566, edition 2007-01 as well as indiv. tests
- ☑ Efficient operation due to large surface for test panels
- ☑ Universally applicable with various brush materials
- ☑ RPM of brush and speed of test panel holder adjustable
- ☑ Easy operation by means of a touch panel
- ☑ Easy to maintain
- ☑ Low operating costs
- ☑ Corrosion-resistant through use of non-corrosive materials

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Specifications:

Number / Max. dimensions of test panels:	4 / 305 x 155 mm (max. 1 x 610 x 310 mm)
Test panel thickness:	0.5 - 5 mm
Width washing brush:	400 mm
Washing brush direction of rotation:	clockwise / counter-clockwise
RPM of brush (DIN EN ISO 20566):	50 - 127 min ⁻¹ (DIN EN ISO 20566: 127 min ⁻¹)
Material of washing brush	PE
Speed of test panel holder (DIN EN ISO 20566):	3-10 m/min (DIN EN ISO 20566: 5m/min)
Number of double passes (DIN EN ISO 20566):	1-99 (DIN EN ISO 20566: 10)
Number of spray nozzles:	2
Water container capacity:	120 l
Quantity of silica flour per litre of water:	2.0 g max. / (DIN EN ISO 20566: 1.5 g)
Water consumption / test cycle :	approx. 7 litres (DIN EN ISO 20566)
Dimensions, approx.:	see above
Weight (without packing) approx.:	430 kg
Power requirement (standard):	acc. to IEC/EN/230 - 240 VAC / 1 ~ / 50Hz/16 A
Options:	acc. to IEC/EN/230 - 240 VAC / 1 ~ / 60Hz/16 A acc. to IEC/EN/110 - 120 VAC / 1 ~ / 50Hz/32 A (cat.B) acc. to IEC/EN/110 - 120 VAC / 1 ~ / 60Hz/32 A (cat.B) Brushes with Airtec and textile trimmings Further options on request!