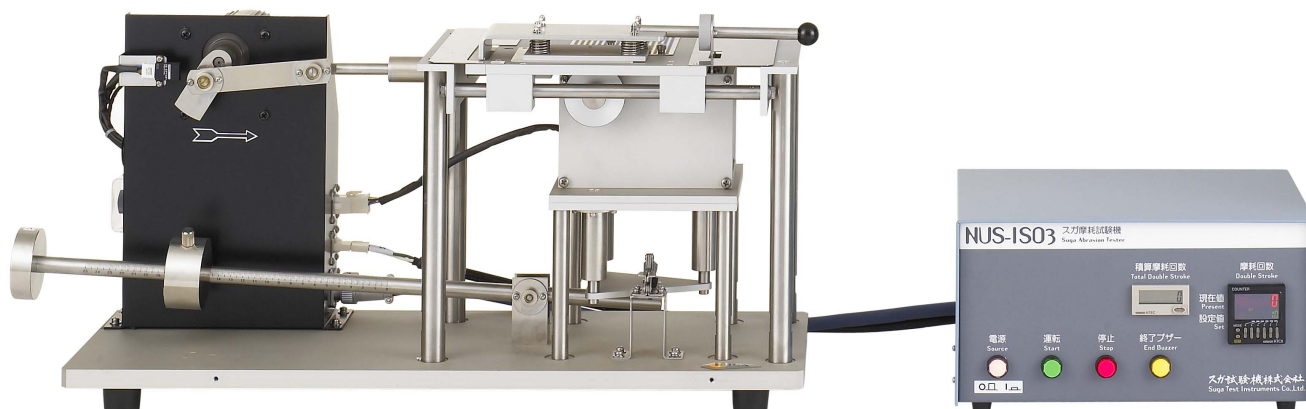


# NUS-ISO3

Suga Abrasion Tester

*Unsurpassed  
reproducibility and linearity*



## Testing with superb reproducibility.

This instrument tests the abrasion resistance of aluminum anodic oxide films, plating, coatings, plastics, rubber and other products.

The abrasion ring rotates 0.9° with each reciprocation, making the specimen always rub against a fresh surface of the abrasive ring (one complete 360° rotation takes 400 reciprocations). The abrasion ring rubs against the bottom surface of the specimen, making the dust fall without remaining on the specimen surface and preventing it from slipping after repeated abrasion. This design delivers outstanding reproducibility and linearity in comparison with the conventional Taber abrasion.

All kinds of grinding paper can be used, and with a wide range of specimen holders available, not only plate-shaped specimens but specimens of many different shapes can be attached to the instrument. Tests can be designed flexibly in accordance with the specimen's actual use condition.

## Specification of NUS-ISO3\*

Number of reciprocation	40±0.5 reciprocations per minute (Up to 60 as option)
Abrasion area	30 × 12 mm
Load	0.98 N to 29.42 N [Adjustable] (±0.15 N at 29.42 N)
Specimen dimension	30 × 50 mm ~ 70 × 300 mm, thickness min. 0.8 mm, max. 4 mm
Stroke number	Digital display
Electrical requirement	Single-phase 100 V approx. 1 A 50 Hz/60 Hz
Approximate dimension and weight	Abrasion unit : Width 70 cm, depth 27.5 cm, height 32 cm (Weight: approx. 22 kg)
	Control unit : Width 30 cm, depth 25 cm, height 16 cm (Weight: approx. 4 kg)

\*This product is also available as CE model upon request.

## Registered with ISO, ASTM and JIS.

The quality and performance of this Suga product is widely recognized. The NUS-ISO3 is registered under ISO 7784-3, ISO 8251, ISO 10074 and ASTM D6037, JIS H 8682-1, JIS H 8503 etc.

## Standards for NUS-ISO3

Field	Standards		Abrasive Papers	
			Materials	Grade
Paints & Varnishes	ISO 7784-3	JIS K 5600-5-10	Silicon carbide	P180
	ISO 17398	JIS Z 9107		
High Gloss Coatings	ASTM D 6037-96		Aluminum oxide (Alumina)	3µm
Anodic Oxidation Coatings	ISO 8251	JIS H 8682-1	Silicon carbide	P240, P320
	ISO 10074			
		JIS H 8601		
	ISO 10074	JIS H 8603		
Coatings		JIS A 4420	Silicon carbide or White Alumina	#240~#320, #320~#600
		JIS H 8503		
		JIS H 8615		
		JIS H 8620		
		JIS H 8621		
		JIS H 8622		
		JIS H 8623		
Sprayed Coatings		JIS H 8626	Aluminum oxide	P240, P280, P320
		JIS H 8645		
		JIS H 8690		
		JIS H 8304		
Rubber		JRMAT 0301	Aluminum oxide	60µm
Watch	ISO 23160		Silicon carbide	#240 ~ #2000



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