

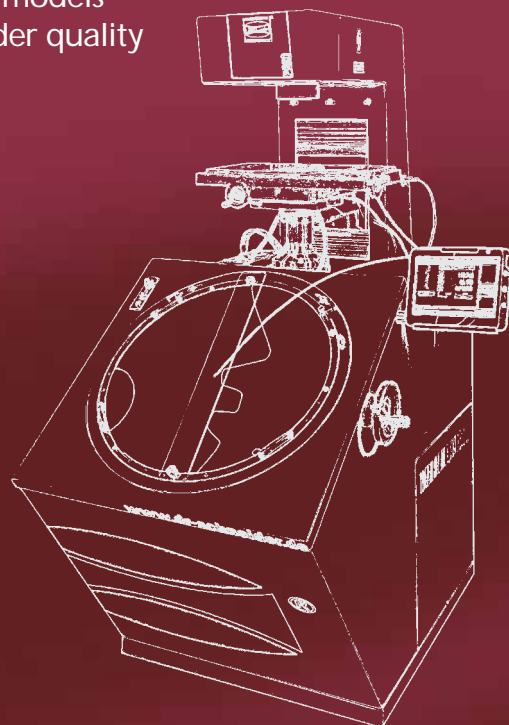
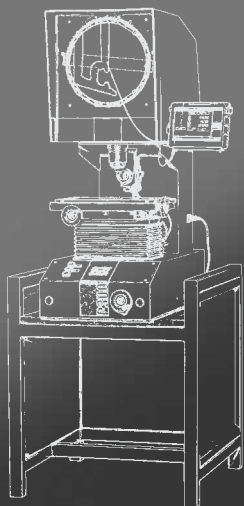
Profile Projectors



Vertical and Horizontal Profile Projectors

Affordable starter models
in genuine Schneider quality
designed for the measurement of

stampings
plastic parts
tools
seals and gaskets
turned parts
punches
dies
profiles
pipes and tubes
shafts
... and many more



SCHNEIDER®
H. Schneider
MESSTECHNIK
SIMPLY PRECISE

Profile projectors

Versatile – efficient – ergonomic

Whether designed as a table top or as a floor model, whether taking a horizontal or a vertical approach, and whether engaged in comparison or measurement activities – profile projectors by Dr. Heinrich Schneider Messtechnik provide a wealth of benefits for every user.

Fields of application of the profile projectors

Modern profile projectors developed by Dr. Heinrich Schneider Messtechnik have earned an outstanding reputation in the world of metrology, setting new standards in terms of accuracy and precision. They are characterised by long-lasting quality that has proved its worth a million times over, and they are reliable companions in any situation and environment. Whether integrating a 2-axis digital display or a digital readout with geometric functions M2 Measuring and Analysis Software, and whether or not equipped with an edge sensor: all table top models are fully functional without any additional accessories being required. Thanks to their intuitive operation, no specific familiarisation training is needed. The combined benefits of the profile projectors thus help users maximise efficiency whilst minimising idle times. What better way could there be to save time and money?

Horizontal profile projector P 360 H

An ideal choice for reliable measurement of

- tools
- turned parts
- shafts
- pipes and tubes
- and many more

The image shows P 360 H with M2 and an external edge sensor



Available variants of P 360 H

- Standard package P 360 H equipped with a 2-axis digital display
- Standard package P 360 H equipped with M2
- Standard package P 360 H equipped with M2 and an external edge sensor

Special feature of P 360 H

- No interfering edges thanks to the large working distances of the high-precision telecentric objectives

Standard features of P 360 H

- 360 mm screen with cross hairs
- Deflection mirror for incident illumination

Optional features of P 360 H

- 4-core optical fibre for incident illumination
- Dual turret nosepiece (P 360 HS)
- Swivel arm for incident illumination
- Digital angle display unit

For more detailed information, please visit our Website at: www.dr-schneider.de

Vertical profile projector P 300 V

An ideal choice for reliable measurement of

- plastic parts
- seals and gaskets
- dies
- profiles
- and many more

The image shows P 300 V with M2 and an external edge sensor



Available variants of P 300 V

- Standard package P 300 V equipped with a 2-axis digital display
- Standard package P 300 V equipped with M2
- Standard package P 300 V equipped with M2 and an external edge sensor

Standard features of P 300 V

- 300 mm screen with cross hairs
- Transmitted and incident illumination, 150 watts each, halogen bulbs with cold-light filter
- Deflection mirror for incident illumination

Special feature of P 300 V

- Telecentric objectives with large working distances for tall workpieces

Optional features of P 300 V

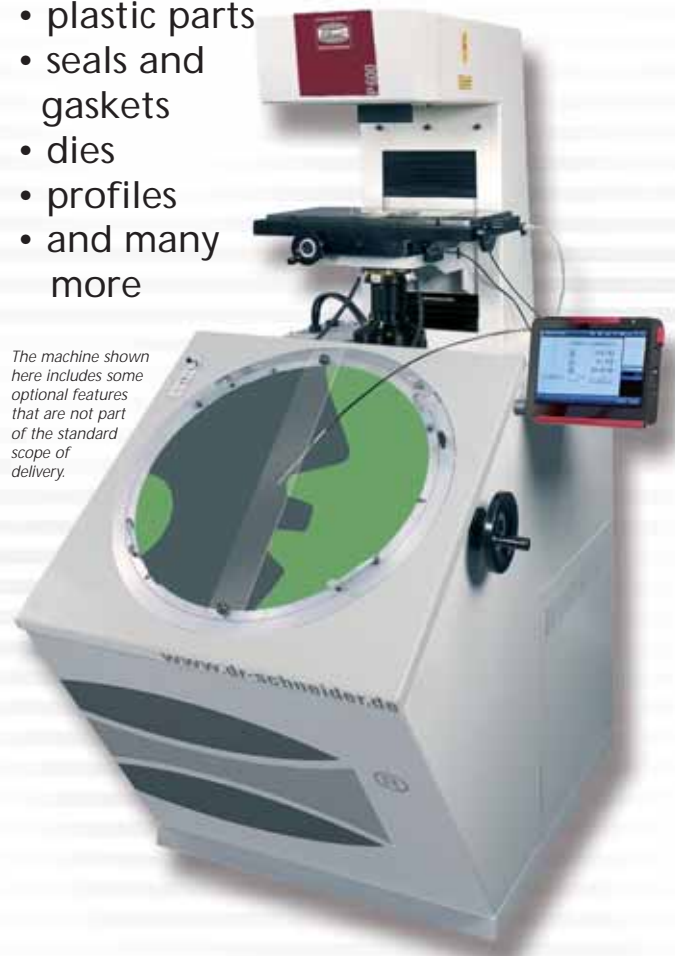
- Dual turret nosepiece (P 300 VR / P 360 VR)
- Digital angle display unit
- Projection screen dia 360mm (P 360 V)

Vertical profile projector P 600 V (floor model)

An ideal choice for reliable measurement of

- plastic parts
- seals and gaskets
- dies
- profiles
- and many more

The machine shown here includes some optional features that are not part of the standard scope of delivery.



Available variants of P 600 V

- Standard package P 600 V equipped with a 2-axis digital display
- Standard package P 600 V equipped with M2
- Standard package P 600 V equipped with M2 and an external edge sensor

Standard features of P 600 V

- 600 mm screen with cross hairs
- Incident illumination through 2-core optical fibres
- Transmitted illumination 24 V, 150 watts, halogen bulb with cold-light filter

Special feature of P 600 V

- Large working distance to suit tall workpieces

Optional features of P 600 V

- Triple turret nosepiece (P 600 VR)
- Laterally attached measuring stage equipped with a manually operated rotation axis for tool measurement

Common features of all profile projectors

Special features and benefits

- Razor-sharp workpiece contours facilitate accurate measurement
- Robust construction for safe and reliable everyday operation

Optional features

- Digital angle display unit
- Telecentric objectives from 5- to 100-fold magnification
- Further options are available upon request
- All M2 models are available with Multicount 200, too

Standard features

- Template holder
- Protractor, rotatable through 360°, Nonius 1'
- Needle-bearing supported X, Y, and Z axes
- Incident illumination
- Transmitted and incident illumination with cold-light filter

Accessories

- Darkening device
- Rotary stage
- Precision vice
- Precision jaw chuck with angle indicator
- Centre point block or manual rotating axis SK40
- Concentricity gage
- Further accessories are available upon request

Technical Specifications of the Profile Projectors

Model		P 360 H				P 300 V				P 600 V				
2-axis digital display		✓				✓				✓				
M2 without edge sensor ¹⁾		✓				✓				✓				
M2 with edge sensor ¹⁾		✓				✓				✓				
Measuring range	mm	250 x 150				200 x 100				250 x 125				
Magnification		10	20	50	100	10	20	50	100	5	10	20	50	100
Image field	mm	36	18	7,2	3,6	30	15	6	3	120	60	30	12	6
Working distance	mm	115	105	53	45	115	97	53	45	258	134	128	90	45
Screen diameter	mm	360				300 / 360				600				
Projection accuracy														
in incident light	%	0.10				0.10				0.08				
in transmitted light	%	0.15				0.15				0.10				
Max. distortion	‰	0.1				0.1				0.2				
Resolution	mm					0.0005								
Max. workpiece weight	kg	50												
on glass plate	kg					20				20				
Dimensions	mm	W 1000*				W 1000*				W 1120*				
		D 1170				D 965				D 1350				
		H 1115				H 1155				H 1850				
		*including M2 or Multicount												
Stage size	mm	500 x 135				400 x 240				520 x 325				
Weight	kg	280				230				450				
Power supply		220-240 VAC, 50-60 Hz, 1 kW												

¹⁾ alternative delivery with Multicount 200 possible