

PJ-A3000

SERIES 302 – Profile Projectors

- The PJ-A3000 Series profile projectors are medium-size, bench-top models that feature excellent versatility and easy operation.
- Easy-to-read digital XY counter is located near the projection screen to minimize eye movement.
- Digital readout protractor screen facilitates angle measurement.

PJ-A3010F-200

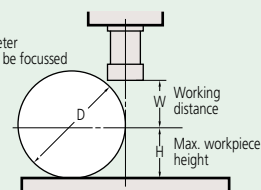


Technical Data

Projected image:	Inverted
Protractor screen	
Effective diameter:	315 mm (12.4")
Screen material:	Fine-ground glass
Screen rotation:	±360°, fine feed and clamp
Angle reading:	Digital counter (LED)
	Resolution: 1' or 0.01° (switchable)
	Range: ±370°
	ABS/INC mode switching, Zero Set
Reference lines:	Cross hairs
Projection lens:	10X (172-202)
	Optional: 20X, 50X, 100X
Magnification accuracy	
Contour illumination:	±0.1% or better
Surface illumination:	±0.15% or better
Maximum workpiece height:	Refer to the projection capacity (H) below.
Contour illumination	
Light source:	Halogen bulb (24V, 150W)
Optical system:	Telecentric
Functions:	2-step (High/Low) brightness switch, Heat-absorbing filter, Cooling fan
Surface illumination	
Light source:	Halogen bulb (24V, 150W)
Optical system:	Vertical illumination with adjustable condenser lens
Functions:	Heat-absorbing filter, Cooling fan
Focussing:	Manual
Resolution:	0.001 mm or .0001"/0.001 mm (.00005"/0.001 mm: digital head)
Power supply:	100-240V AC, 50/60Hz
Mass:	105-140 kg

Projection Capacity

D: Max. workpiece diameter whose peripheral line can be focussed on the screen centre



Unit: mm

	Magnification			
	10X	20X	50X	100X
View field	ø31.5	ø15.7	ø6.3	ø3.1
W	66 (20)	32.5 (2)	12.6	5
H	-100 model	91		
	-200 model	92.5		
D	-100 model	182	87 (61)	27
	-200 model	185	87 (61)	27

(): When using surface illumination

SPECIFICATIONS

Model	PJ-A3010F-100	PJ-A3010F-200
Code No.	302-703D	302-701D
XY stage travel range	100 x 100 mm	200 x 100 mm
Measurement method	Linear encoder	
Quick-release mechanism	X and Y axes	
XY stage top size	250 x 250 mm	380 x 250 mm
XY stage effective area	142 x 142 mm	266 x 170 mm
Stage glass No.	12BAE041	382762
Swivel function	—	±3°
Max. stage loading	10 kg	8 kg
Price	£POA	£POA