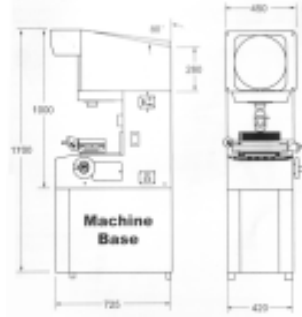




HIGH PRECISION OPTICA PROFILE PROJECTOR

- Provide accurate 2D measurement for all common geometric features such as circles, lines, angles etc.
- All measured results can be printed or transferred to computer for further processing



Specification	Model No. 640-3000			Model No. 640-3500		
Table						
Table Size	350x170mm			420x250mm		
Glass size	225x120mm			290x190mm		
X measurement travel	200mm			250mm		
Y measurement travel	100mm			150mm		
Z focusing travel	90mm			90mm		
XY readout resolution	0.001mm			0.001mm		
Axial measuring accuracy	(3+L/100)um			(3+L/100)um		
Screen						
Screen size	315mm			415mm		
A readout range	0-360°			0-360°		
A readout resolution	0.01°			0.01°		
Max. contour distortion	0.08%			0.08%		
Lens						
Magnifications	10X	20X	50X	10X	20X	50X
Visible field(Dia.)	30mm	15mm	6mm	40mm	20mm	8mm
Object focal distance	73mm	35mm	15mm	81mm	71mm	65mm

Measuring System Specifications

Coordinates	X,Y axes linear transducer A axis rotary encode
Resolution	0.001mm(X,Y axes) / 0.01° (A axis)
Coordinates	X,Y and polar coordinates systems
Memory	99 features memory;10coordinates memory
Error comp.	Linear and non-linear error compensation
I/O interface	RS-232C I/O interface
Geometric Measurement Functions	<ul style="list-style-type: none"> ● 3points circle measurement ● points measurement ● 2points distance measurement ● 2points form a line measurement ● 2 lines intersection measurement ● 4points line intersection measurement ● point line perpendicular projection

DIGITAL READOUT SYSTEM



- Double seals design for better protection against water, dust and swarf
- 100% laser calibration
- Advanced optical measuring system
- High noise immunity & EMC design
- Robust casing, chromium plated panel
- Ultra low temperature rise transformer
- Resolution 0.005mm(0.002"), ergonomically designed keyboard
- Can be easily installed

2 Axis "X,Y" Digital Readout Carbinet only **Model No.643-0002**
 3 Axis "X,Y,Z" Digital Readout Carbinet only **Model No.643-0003**
 Data Output Line only **Model No.643-0000**

Scale Size	2 -Axis X, Y		3 -Axis X, Y,Z
	Individual Linear Scale	Set with 2pcs scales	Set with 3pcs scales
	Model No.	Model No.	Model No.
100mm	643-1010	643-2010	643-3010
150mm	643-1015	643-2015	643-3015
200mm	643-1020	643-2020	643-3020
250mm	643-1025	643-2025	643-3025
300mm	643-1030	643-2030	643-3030
350mm	643-1035	643-2035	643-3035
400mm	643-1040	643-2040	643-3040
450mm	643-1045	643-2045	643-3045
500mm	643-1050	643-2050	643-3050
550mm	643-1055	643-2055	643-3055
600mm	643-1060	643-2060	643-3060
650mm	643-1065	643-2065	643-3065
700mm	643-1070	643-2070	643-3070
750mm	643-1075	643-2075	643-3075
800mm	643-1080	643-2080	643-3080
850mm	643-1085	643-2085	643-3085
900mm	643-1090	643-2090	643-3090
950mm	643-1095	643-2095	643-3095
1000mm	643-1100	643-2100	643-3100
1100mm	643-1110	643-2110	643-3110
1200mm	643-1120	643-2120	643-3120
1300mm	643-1130	643-2130	643-3130
1400mm	643-1140	643-2140	643-3140
1500mm	643-1150	643-2150	643-3150
1600mm	643-1160	643-2160	643-3160
1700mm	643-1170	643-2170	643-3170
1800mm	643-1180	643-2180	643-3180
1900mm	643-1190	643-2190	643-3190
2000mm	643-1200	643-2200	643-3200
2200mm	643-1220	643-2220	643-3220
2400mm	643-1240	643-2240	643-3240
2600mm	643-1260	643-2260	643-3260
2800mm	643-1280	643-2280	643-3280
3000mm	643-1300	643-2300	643-3300

* Further measuring lengths on request