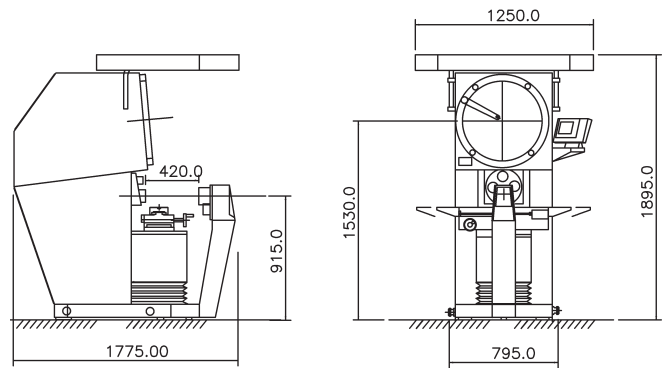


HF600



Horizontal Floor Standing Optical Projector

Building high capacity, floor standing projectors that give flawless performance across the full measuring range, at all magnifications, takes a skill that not many projector manufacturers possess. This is where Starrett stand proud.

Designed to accommodate a variety of large work pieces over a wide spectrum of industries, the HF600 projector is tailor made for optimum performance in all areas from standards room to workshop.

- ▶ A compact, robust projector with a large, bright screen for workshop or standard room use.
- ▶ 600mm (24") diameter fully usable screen.
- ▶ Accommodates components up to 150 kg (330lb) weight.
- ▶ Available with the full range of Quadra-Chek readout systems.
- ▶ Digital protractor fitted as standard.
- ▶ Machine tool standard workstage powered on both horizontal and vertical axis.
- ▶ Canopy and curtains included as standard.
- ▶ CNC workstage options.
- ▶ Automatic edge detection option.
- ▶ Single lens or four lens turret options.
- ▶ Comprehensive choice of multi-element precision ground lenses.
- ▶ Wide range of ancillaries and options allows specification tailoring and easy upgrading.
- ▶ Accessories include alternative workstage, precision centres, vees, vices etc.

Technical Specification

Starrett®

Screen Diameter

600mm (24") with precision cross lines and calibration markings.

Workstage Support

Power travel knee with variable speed joystick control.

Workstage Measuring

Top plate - 630 x 230mm (25 x 9").
Travel - Measuring 300mm (12") horizontal, 200mm (8") vertical, 75mm (3") focus.

Workstage Capacity

150kg (330lb) maximum.
(Evenly distributed).

Workstage Capacity Between Centres

440mm.

Helix Angles

±15° swivelling workstage. Vernier scale 5 minute resolution.

Measurement/display systems

Linear - Heidenhain scales (0.001mm resolution). Quadra-Chek readout systems with edge sensing option.

Angle - Digital protractor (1 minute resolution). Quadra-Chek Q-Axis.

Illumination

Profile - Fan cooled, tungsten halogen, yellow/green filter.

Surface - Fan cooled fibre optic system.

Lenses

x10, x20, x25, x 31¹/₄, x50, x100 (x5 to special order in 3 lens turret).

Single lens mount or 4 lens turret.

2 lens turret mounted condenser system.

Power Supply

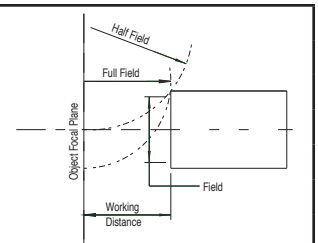
110/120/230/240/250V.AC 50/60Hz.

Consumption 5A.

Visit our Web-Site at www.starrett-precision.co.uk

HF600 Specification:	SR121	SR221	SR221e	SR515	SR515 CNC
Rigid steel body	●	●	●	●	●
Standard workstage 300 x 200mm travel	●	●	●	●	●
Extended workstage 500 x 200mm travel	○	○	○	○	○
Anti-corrosion nickel plated workstage top	○	○	○	○	○
Rotary screen & clips	●	●	●	●	●
Handwheel X and Y drive control					
Motorised joystick control	●	●	●	●	
CNC control					●
Angular digital measurement in QC DRO					
X-Y axis only digital readout	● ●	●	●	●	●
Geometric function digital readout		●	●		
Computer with geometric s/ware readout.				●	●
On screen edge sensing			●	●	●
Internal edge sensor			○	○	○
Single interchangeable lens mount	●	●	●	●	●
Dual lens slide					
Multi lens turret	○	○	○	○	○
Fibre optic surface illumination	●	●	●	●	●
On-axis surface illumination	○	○	○	○	○
Single condenser					
Dual condenser slide					
Multi condenser turret	●	●	●	●	●
Yellow/green light filter	●	●	●	●	●
Available lenses (See guide below)	○	○	○	○	○
X5 magnification lens	○	○	○	○	○
X3 1/4 magnification lens option	○	○	○	○	○
Standard or deluxe support cabinet					
Canopy and curtains	●	●	●	●	●
Work holding accessories	○	○	○	○	○
Magnification checking graticule	○	○	○	○	○
OV ² Optical video adaptor	○	○	○	○	○
Screen overlay templates	○	○	○	○	○
Standard ● Optional ○					

Guide to Maximum Component Size (mm)						
Magnification	X5	X10	X20	X25	X50	X100
Field of View	120	60	30	24	12	6
Working Distance	220	138	127	103	88	44
Max Work Diameter	Half Field	280	280	280	280	104
	Full Field	280	280	280	280	98
Projected Image	Vertically Correct					



Terminology:

- Working Distance:** Is the distance between the objective lens and the component when the component is in focus.
- Field of View (FOV):** Is the viewing area of the component. A 30mm FOV using a 10x lens would produce a screen image of 300mm.
- Half Field View:** Is the maximum size a component can be projected to the centre of the screen before colliding with the lens.
- Full Field View:** Is the maximum size a component can be projected over the full screen before colliding with the lens.
- Projected Image:** Is how a component is projected onto the screen in relation to its placement on the workstage.