OPTICAL PROFILE PROJECTORS

HE400

HB400

HD400

VB400

VF600

HF600

HF750

HS600

HS750

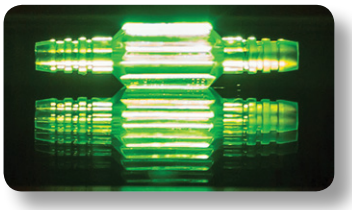
HS1000

VF600 VERTICAL FLOOR STANDING OPTICAL PROJECTOR

Starrett®

METROLOGY SOLUTIONS

www.starrett-precision.co.uk



If your measuring requirements determine the use of a large screen, vertical axis projector then look no further than the Starrett VF600.

A design based upon 35 years of knowledge in the manufacture of high performing optical projectors, the VF600 has a market leading specification.

The VF600 is ideal for the larger components found in the electronics, pressings and extrusion industries.

With helix facility, single or multiple lens turret, choice of workstages and large range of digital readout options the VF600 is the ultimate in vertical axis profile projectors.

Features & Specifications

- Available with the full range of Metlogix or Quadra-Chek readout systems (as shown).
- Fully usable 600mm / 24" diameter screen with precision cross lines and overlay clips.
- Screen angled at an optimum 30° to give bright, easily viewed image, and allowing easy tracing or overlay work.
- Single lens mount or 3-lens quick change turret using silo system for maximum lens protection.
- Choice of two workstage size options with manual, motorised or CNC control.
- Standard measuring travel : 200mm / 8" X-axis, 100mm / 4" Y-Axis.
- Large measuring travel: 250mm / 10" X-axis, 150mm / 6" Y-Axis.
- Fully retractable duplex fibre optic surface illumination.
- Fast traverse, quick release mechanism on X and Y axis.
- Exceptionally stable, all metal construction for optimum performance and accuracy.
- Lamphouse mounted helix facility.
- Supplied complete with full canopy and curtains.
- High precision workstage with 400 x 225mm / 16 x 9" top plate.
- Stage weight capacity: 30kg / 66lbs (evenly distributed).
- 10x, 20x, 25x, 31.25x 50x and 100x lenses available (x5 to special order).
- Screen driven rotary Q axis.
- 0.001mm resolution Heidenhain linear scales.
- Large range of accessories available, including screen overlay templates.
- Power supply 110 / 120 / 230 / 240 / 250VAC 50 / 60Hz.
- All Starrett Optical Profile Projectors have lens magnifications set and calibrated to the following accuracies:

  Profile: +/-0.05%.
  Surface Illumination: +/-0.10%.

M2 Touchscreen Readout

The Metlogix M2 readout has a broad range of powerful, user-friendly functions on a compact, icon based touchscreen interface in place of the traditional control.

The M2 software and the touchscreen interface are supplied separately, allowing users to purchase the interface in local markets if required.

Quadra-Chek Readouts

The Quadra-Chek readout range is considered as the industry standard for the precision measurement and inspection of geometric components.

Their design reflects a deep understanding of user needs, with an intuitive user interface and simple, meaningful visual displays; innovations that improve operator productivity, reduce errors and save time and money.

READOUT OPTIONS								
SPECIFICATION:	QUADRA-CHEK						METLOGIX	
	SR121	SR221	SR221e	QC321	QC321e	SR515	M2	M2e
Touchscreen operation				●	●		●	●
Angular digital measurement in readout	●	●	●	●	●	●	●	●
X-Y-Q axis digital readout	●	●	●	●	●	●	●	●
Geometric function digital readout		●	●	●	●	●	●	●
Computer with geometric s/ware readout.						●		
On screen edge sensing			●		●	●		●
Functions ●								

Field of View Terminology:

Working Distance: Is the distance between the objective lens and the component when the component is in focus.

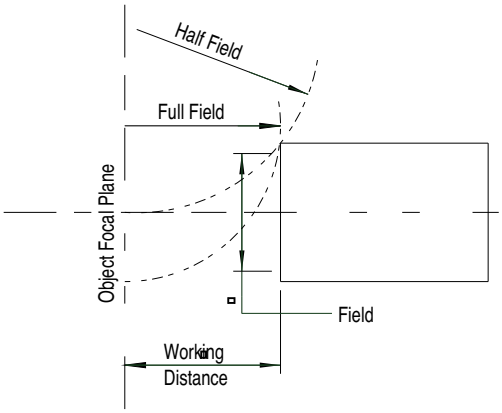
Field of View (FOV): Is the viewing area of the component. A 30mm FOV using a 10x lens would produce a screen image of 300mm.

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.

FIELD OF VIEW



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	140	140	140	140	140	140
	Full Field	140	140	140	140	140	98
Projected Image			Fully reversed				

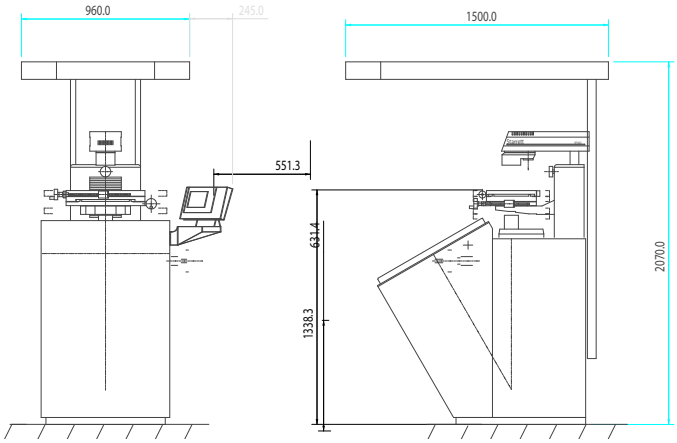
VF600 Dimensions

VF600 dimensions are as listed in the image, all measurements are in millimetres.

Gross Weight: 410kg.

Nett Weight: 230kg.

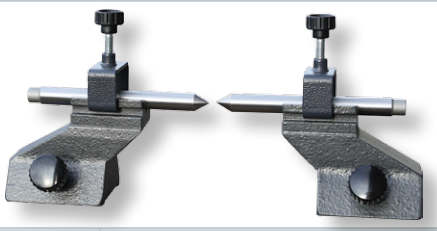
Shipping dimensions: 152 x 120 x 206cm.



Accessories

Starrett manufacture a comprehensive range of fixtures and accessories to suit our full range of profile projectors.

Each accessory is made from the highest quality material and is machined, assembled and inspected to the same stringent quality standards as the projector itself.

ACCESSORIES					
					
PART NO	**DESCRIPTION**	**PART NO**	**DESCRIPTION**	**PART NO**	**DESCRIPTION**
3V000	Helix Centre Support Fixture	6H000	Precision Centres and Vees	6U003	Precision Rotary Workstage

Starrett

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