

FP-188+

Robotic and Manual Pedestal



Powerful support for superior productions

- + Deliver high quality output
 - Precise, smooth camera motion control; near silent when moving
- + Create the production you choose
 - Unmatched shot stability; versatile design with manual mode and VR/AR options
- + Ensure consistent production values
 - High repeatability and accuracy at all speeds; optional real-time XY tracking with no calibration
- + Gain long-term peace of mind
 - Ultra-reliable communications protocol compatible with current & future Vinten developments

FP-188+

Vinten's robotic pedestals offer precise, smooth movement for the highest standard of broadcast production.

The FP-188+ features unmatched stability and on-shot performance with even the largest camera/lens/prompter packages. Despite this the lightweight construction and dual chassis structure limits the impact of the equipment on the studio floor and ensures agility. The pedestal features the most responsive acceleration and deceleration performance for both floor and height movement in its class.

As part of the latest range of Vinten hardware the pedestal fully integrates with the VRC control system to be controlled through sequences. While moving its noise is below the ambient noise in a studio, making it effectively silent. This unrivalled movement quality gives operators the freedom to shape a more compelling look and feel for every production.

For added flexibility in free-form productions the FP-188+ can be switched to manual mode and used without power. The pedestal offers a choice of crab or steer mode for manual operation across the studio floor and features a perfectly balanced pneumatic height column for manual height adjustment with the superior on-shot quality renowned in Vinten manual pedestals.

The FP-188+ offers accurate and repeatable tracking to ensure consistent output. As standard the pedestal recognises compact 'L' shaped floor targets, which are suitable for a wide range of floor finishes. For additional collision prevention a bumper strip around the pedestals can be adjusted for sensitivity.

Where exceptional accuracy or tracking for VR/AR is required the pedestal can be integrated with an FH-155 head with built-in StarTracker optical camera tracking system. This will track the pedestal in both robotic and manual mode, providing unmatched freedom and seamless operation. StarTracker provides an absolute reference that is drift-free and removes the need for homing operations after the initial calibration, for ultimate production efficiency.

The integrated pedestal construction ensures the highest reliability and performance, and has been aesthetically designed to complement modern studios.

Create a production that will engage your audience for longer with high quality output supported by Vinten



Technical Specification

	FH-188+
Part number	V3952-0006
Physical Data	
Max. payload	85kg / 188lb
Min. height	660mm / 26in
Max. height	1430mm / 56.3in.
Doorway tracking width	800 mm / 31.5in
Weight	130kg / 286.6lb
Wheel diameter	160mm / 6.3in.
Ground clearance	19mm / 0.75in.
Base Operating Data	
Temperature range	0°C to +40°C / +32°F to +104°F
Degrees of freedom	X/Y/Z
Max. floor speed	300mm/s (11.8in./s)
Min. floor speed setting	25mm/s (1in./s)
Orientation accuracy	Less than 0.75° (subject to floor)
Pedestal travel accuracy ¹	0.5% of total floor run (subject to floor)
Repeatability	X,Y = ±1.5%
Resolution	X,Y = <1mm
Column Operating Data	
On-shot stroke	770mm / 30.3in.
Max. working pressure	17.5 bar (255 psi)
Max. relief valve pressure	18.9 bar (275 psi)
Max. column speed	150mm/s (5.9in./s)
Min. column speed setting	10mm/s (0.4in./s)
Height drive accuracy	±0.75mm / ±0.03in.
Electrical Data	
Power consumption (peak)	750W
Power consumption (average)	200W
Supply V (mains)	Autoranging 90–240V, 50/60 Hz AC
Power output socket (Head) ²	90–240V (supply V), 100 W
Power output socket (Aux)	90–240V (supply V), 50 W



【1】 Fitting APS or StarTracker provides continual positional updates and therefore completely eliminates drift. Please refer to relevant user manual specification.

【2】 Designed to support all Vinten robotics. Third party devices connected to the auxillary power should observe these limits.

Technical Specification

Control Options

HD-VRC Robotics Controller	V4063-0013
µVRC Robotics Controller (requires additional licences)	V4063-0010

Head Options

FH-155	V4155-0001
FHR-155	V4155-0011
FH-155 Head with integrated StarTracker	V4155-0002
FHR-155 Head with integrated StarTracker	V4155-0012
FH-155 VR Head	V4155-0003
FHR-155 VR Head	V4155-0013
FH-155 VR Head with integrated StarTracker	V4155-0004
FHR-155VR Head with integrated StarTracker	V4155-0014
FH-200	V4133-0001

Accessory Options

Vinten HD Quickfix® adaptor	3490-3
Portable Pump	3357-21
Vinten spanner	J551-001

