



ultramacro

www.ultramacro.co.uk

SPECIALIST STANDS
for
High Magnification Photography
& Microscopy

VERSATILITY WITHOUT LIMITS

Ultramacro's range of stands are extremely versatile and can be used to attach a very diverse range of equipment including:

- Photographic Cameras
- Scientific, Industrial & Research C-Mount Cameras
- ultraVU High Magnification Zoom Lenses
- Industrial and Scientific Monozoom Lenses
- All Types of Stereo Microscopes
- Motorised Rails for Focus Stacking
- Mechanical and Motorised Stages

Direct Coupling to C-Mount Cameras

Using 1/4" or 3/8" Tripod Mounts, Quick Release Plates / Acra Clamps and 1/4" Focussing Tripod Mounts. Exactly as for Photographic cameras shown below



Direct Coupling to Photographic Cameras

Using 1/4" or 3/8" Tripod Mounts and Quick Release Plates / Acra Clamps



Available on these stands:

- UM1004C Macro Stand Kits
- COPY-STPRO Copy Stand Series
- TR-Pro TRACK STAND Series with the tripod mount camera holder

Using 1/4" Focussing Tripod Mounts



Available on these stands:

- M-Pro Series Pillar and Boom Arm Stands
- XL-Pro Series Heavy Duty Pillar, Articulated Arm and Boom Arm Long Reach Stands
- SLRB Series Super Long Reach Arm Stands

ultraVU Lens Holders



ultraVU Compatible Focussing Rings & Holders



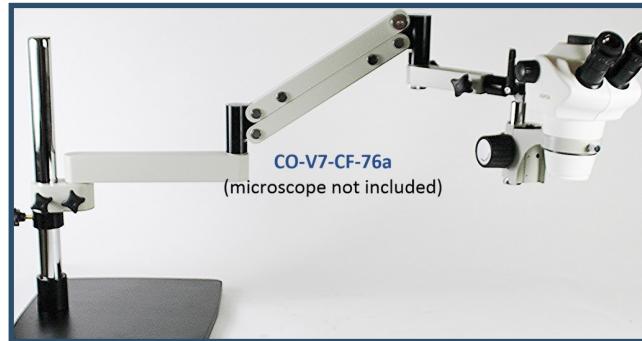
Available on all of our stand ranges.

Popular lens holder/focussing ring inner diameters are 45mm and 50mm

Numerous other sizes are available.

Select with or without tension adjustable focus knobs on a rack and pinion.

Microscope Holders for Stereo Microscopes and Monozooms



These Focussing rings are available on all of our stand ranges

Popular microscope focussing ring inner diameters are 39mm, 45mm, 50mm, 76mm, 83mm, 84mm and 85mm. Other sizes are available.

All are supplied with tension adjustable focus knobs on a rack and pinion.

**A Complete Range of Stands
from the Experts in
High Magnification Imaging**

**MACROSTANDS • PILLAR STANDS • TRACK STANDS
BOOM ARM STANDS • ARTICULATED ARM STANDS
HORIZONTAL STANDS
STANDS FOR MOTORISED FOCUS
STANDS WITH XY&Z AXIS STAGES
FOCUSSING HOLDERS & MOUNTS for
CAMERAS • LENSES • MICROSCOPES
NUMEROUS STAND ACCESSORIES**

Dual Vertical & Horizontal Macro Stand with XY Stage

A top quality and incredibly versatile macro stand for use with any camera and lens and is especially well adapted for use with motorised focus rails. It includes a manual XY stage for fine control of the position of your specimen, also included is a quick release slide mechanism and securing points for illumination systems.

This stand is designed specifically to provide a stable platform for mounting camera and lens systems for high magnification work. Vibration damping and numerous clamping points all assist you with the mounting of your equipment. Supplied with a simple kit to convert it from a vertical to a horizontal stand.

Now available in three versions: 42cm and 57cm pillars and a heavy duty 46cm buttressed pillar.

This stand can be used with any lens or camera that can be attached via a standard 1/4in tripod mount or supported in a lens holder or mounted onto support cradle or motorised stage.

Specifications:

Pillar Height (mm)	420 or 570
Base Width (mm)	170
Base Length (mm)	270

Included in Kit:

Adjustable Rubber Feet
Manual XY Stage
Quick Release Clamp
Tool Kit
Installation Instructions



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Product Code

- UM1004C Macro Stand Kit with 42cm Pillar
- UM1004C EXT Macro Stand Kit with 57cm Pillar
- UM1217C Heavy Duty Buttressed Macro Stand with 46cm Pillar



OPTIONAL ACCESSORIES

Product Code

- UM1213C Heavy Duty Buttressed Vertical Pillar
Upgrade to Existing UM1004C Stand
- UM1308B 50mm Diam. Lens Holder with Arca Clamp
for use with ultraVU or a monozoom lens
- UM1308B-45B 45mm Diam. Lens Holder with Arca Clamp
for use with ultraVU or a monozoom lens

See also our range of illumination systems, specimen stages and lens mounts

COPY-STPRO Series of Ultramacro Copy / Macro Stands for Photography and Macro imaging

Ultramacro's COPY-STPRO series of professional copy/macro stands provide the ideal platforms for precise photo reproductions and macro photography/imaging.

UM141070LB 1070mm stand includes:

- a large 600x600mm baseboard coloured 18% grey with a printed grid for accurate alignment
- a 1070mm tall, high grade graduated aluminium column
- a 'quick-slide' self-locking carriage system capable of carrying camera systems of up to 4.5Kg
- 2 vertical and 2 horizontal lighting support arms
- two adjustable LED panels for smooth, even illumination with a CRI of 96 and low heat performance

UM140920LB 920mm stand includes:

- a 450x450mm baseboard coloured 18% grey with a printed grid for accurate alignment
- a 920mm tall, high grade graduated aluminium column
- a 'quick-slide' self-locking carriage system capable of carrying camera systems of up to 4.5Kg
- 2 vertical and 2 horizontal lighting support arms
- two adjustable LED panels for smooth, even illumination with a CRI of 96 and low heat performance

UM140580LB 580mm stand includes:

- a 360x400mm baseboard
- a 580mm tall, robust steel column
- a track mounted carriage with height control knob and quick release plate
- 2 vertical and 2 horizontal lighting support arms
- two adjustable LED panels for smooth, even illumination with a CRI of 96 and low heat performance



COPY-STPRO Series of Ultramacro Copy / Macro Stands for Photography and Macro imaging

Product Codes

- UM141070LB 1070mm premium copy/macro stand with LED light panels and support arms
- UM141070B 1070mm premium copy/macro stand
- UM140920LB 920mm copy/macro stand with LED light panels and support arms
- UM140920B 920mm copy/macro stand
- UM140580LB 580mm compact copy/macro stand with LED light panels and support arms
- UM140580B 580mm compact copy/macro stand

OPTIONAL ACCESSORIES

Product Code

- UM14AL1B Pair of clampable vertical and horizontal lighting support arms with LED panels for UM141070B and UM140920B
- UM14AL2B Pair of clampable vertical and horizontal lighting support arms with LED panels for UM140580B

Specifications - Stands:

Model:	UM141070B/UM141070B	UM140920LB/UM140920B	UM140580LB/UM140580B
Column Height (mm)	1070 High Grade Aluminium	920 High Grade Aluminium	580 Steel with rear gear track
Base Width x Depth (mm)	600x600	450x450	360x400
Graduations on Column	Yes	Yes	No
Base Grid	Yes 40x30 cm scale in cm and inches	Yes 40x30 cm scale in cm and inches	No
Height Adjust Mechanism	Belt mounted 'Quick-Slide' self-locking with insertable extension block	Belt mounted 'Quick-Slide' self-locking with insertable extension block	Track mounted carriage with height adjustment knob
Camera Mount	Long reach wide pad 1/4" & 3/8"	Long reach wide pad 1/4" & 3/8"	Quick Release Plate 1/4" & 3/8"
Lighting	Two LED panels, clampable, adjustable arms (UM141070LB only)	Two LED panels, clampable, adjustable arms (UM140920LB only)	Two LED panels, clampable, adjustable arms (UM140580LB only)

Specifications - Support Arms & Light Panels:

Model:	UM14AL1B	UM14AL2B
Vertical Arm Length (mm)	600	480
Horizontal Arm Length (mm)	510	300
LED Panel Dimensions (mm)	140x200	140x200
LED Panel Specifications	Cri 95 96LED 5600K mains powered	Cri 95 96LED 5600K mains powered



M-Pro Series Pillar and Boom Arm Stands for Macro Photography and Microscopy

Ultramicro's M-Pro series of pillar stands and boom arm long reach stands together with a choice of lens holders (we call them focussing rings) are ideal for any high magnification photography.

See our website for videos and a datasheet

Each M-Pro stand comprises of:

A substantial black base 380mmW x 260mmD (part UM7003B)

One of these vertical pillars:

- > 350mm long by 25mm diameter (part UM7001B)
- > 630mm long by 25mm diameter (part UM7002B)

One of these focussing rings:

- > 50mm Diameter Focusing Ring with Focus Knob (part UM7005B)
- > 45mm Diameter Focusing Ring with Focus Knob (part UM7006B)
- > As UM7005B but with Coarse *and* Fine Focus Knobs (part UM7007B)
- > As UM7006B but with Coarse *and* Fine Focus Knobs (part UM7008B)

Pillar Slide Stop Collar (part UM7009B)

Boom Arm Long Reach versions also include:

- > A Horizontal Boom Arm 335mm L 25mm Diameter terminating in a lockable, adjustable angle end arbour (25mm diameter) with sliding connector to pillar (part UM7004B)

These stands can be used with any lens or camera that can be supported in the focussing ring. The optional 1/4 inch tripod mount focussing mount (CO7013B) can also be used to mount cameras.



M-Pro Series Pillar and Boom Arm Stands for Macro Photography and Microscopy

Product Code

With standard focus knob on focussing ring:

- UM6000B 350mm pillar stand with 50mm diameter focussing ring
- UM6010B 350mm pillar stand with 45mm diameter focussing ring
- UM6100B 630mm pillar stand with 50mm diameter focussing ring
- UM6110B 630mm pillar stand with 45mm diameter focussing ring
- UM6200B Boom Arm Stand with 350mm pillar and 50mm diameter focussing ring
- UM6210B Boom Arm Stand with 350mm pillar and 45mm diameter focussing ring
- UM6300B Boom Arm Stand with 630mm pillar and 50mm diameter focussing ring
- UM6310B Boom Arm Stand with 630mm pillar and 45mm diameter focussing ring

With coaxial coarse and fine focussing knobs on focussing ring:

- UM6400B 350mm pillar stand with 50mm diameter focussing ring
- UM6410B 350mm pillar stand with 45mm diameter focussing ring
- UM6500B 630mm pillar stand with 50mm diameter focussing ring
- UM6510B 630mm pillar stand with 45mm diameter focussing ring
- UM6600B Boom Arm Stand with 350mm pillar and 50mm diameter focussing ring
- UM6610B Boom Arm Stand with 350mm pillar and 45mm diameter focussing ring
- UM6700B Boom Arm Stand with 630mm pillar and 50mm diameter focussing ring
- UM6710B Boom Arm Stand with 630mm pillar and 45mm diameter focussing ring

See also our range of illumination systems, specimen stages and lens mounts

Included in Kit:

- 350mm or 600mm 25mm Diameter Vertical Pillar
- Substantial Base
- Focussing Ring
- Pillar Slide Stop Collar

Boom Arm Versions include a Horizontal Boom Arm, 25mm Diameter End Arbour and Sliding Connector

Specifications:

Height (mm)	350 or 630
Base Width (mm)	380
Base Length (mm)	260
Pillar Diameter (mm)	25
Tension Adjustment	Standard on all Focussing Rings

COMPONENT LIST

Product Code

- UM7001B 350mm Pillar
- UM7002B 630mm Pillar (UM7001B +Extension)
- UM7003B 380x260mm Base
- UM7004B 335mm Boom Arm with 25mm End Arbour
- UM7005B 50mm Diam Focussing Ring
- UM7006B 45mm Diam Focussing Ring
- UM7007B 50mm Diam Coarse/Fine Focussing Ring
- UM7008B 45mm Diam Coarse/Fine Focussing Ring

OPTIONAL ACCESSORIES

Product Code

- CO7013B Focussing Mount with 1/4in Tripod Mount
- CO7076B 76mm Diam Focussing Ring
- CO7084B 84mm Diam Focussing Ring
- CO7039B 39mm Diam Focussing Ring

See also our range of illumination systems, specimen stages and lens mounts



CO7013B
Focussing Tripod Mount with
Standard Focus knob

XL-Pro Series Heavy Duty Pillar, Articulated Arm and Boom Arm Long Reach Stands for Photography and Microscopy

Ultramacro's XL-Pro series of heavy duty boom arm and articulated arm long reach stands together with a choice of lens holders / focussing rings are designed for maximum stability and durability with large diameter pillars and heavy gauge bases. They are ideal for use with heavier camera and microscope rigs engaged in high magnification photography. These stands all weigh a minimum of 20Kg. These stands are sold separately to the focussing rings and mounts which have to be added according to your requirements.

ADJUSTABLE ANGLE END ARBOUR

The 'end arbour' is the short pillar at the end of the arm onto which various focussing rings and mounts can be attached as shown. The end arbour has an adjustable clamping mount so any angle can be selected. The end arbours as standard is 25mm in diameter but additional end arbours with 30mm and 32mm diameters are available. The end arbours are secured into the ends of the arms with an 'E-Arm' spigot which is then locked into place.

It is possible to have focussing rings and mounts which fit directly into the E-Arm spigot hole instead of onto the end arbour. If you would like one of these please enquire.

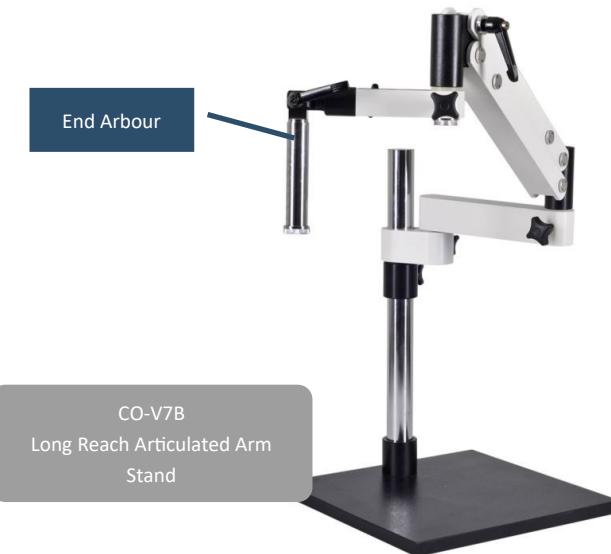
The COV7A articulated arm stand is the best stand of its type available with full height adjustment including a beautifully balanced, lockable spring-loaded end section and an exceptionally long reach. These stands can be used with any lens, monozoom microscope, stereo microscope or camera. The optional 1/4 inch tripod mount focussing mount (CO7013B) is used to mount cameras.



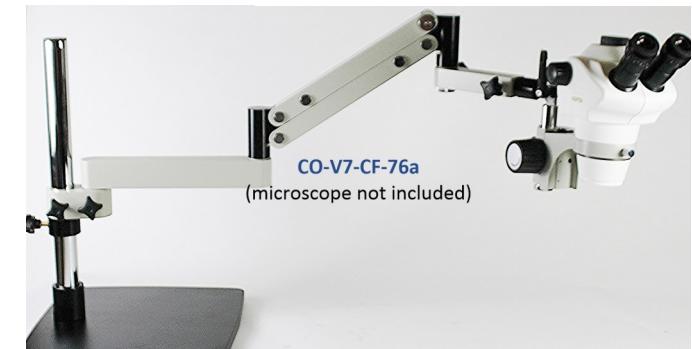
UM1169C
Long Reach, Boom Arm, Desk
Base Stand



UM1171C
G-Clamp Version of UM1169C
Above



CO-V7B
Long Reach Articulated Arm
Stand



CO-V7-CF-76a
(microscope not included)

UM1169C and 1171C Specifications:

Pillar Height (mm)	490 (plus base)
Pillar Diam. (mm)	31.5
Boom Arm L (mm)	545 (plus focussing ring)
Boom Arm Diam. (mm)	32

COV7A Specifications:

Pillar Height (mm)	530 (plus base)
Pillar Diam. (mm)	31.5
Arm L (mm)	1400 (max) (plus focussing ring)
Articulation points	4

XL-Pro Series Heavy Duty Pillar, Articulated Arm and Boom Arm Long Reach Stands for Photography and Microscopy



Product Code

All supplied with a 25mm End Arbour

UM1169C Boom arm stand with 490mm high pillar, 545mm horizontal boom arm, 25mm Diam. U-shape base

UM1171C Boom arm stand with 490mm high pillar, 545mm horizontal boom arm, 25mm Diam. G-clamp

COV7B Articulated arm stand with 530mm high pillar, 1400mm arm, 25mm Diam. heavy square base

ACCESSORIES - FOCUSING RINGS / HOLDERS

To fit onto the 25mm diam. end arbour

Product Code

All with standard, tension adjustable focus knobs:

CO7013B Focussing Mount with 1/4in Tripod Mount

CO7076B 76mm Diam Holder/ Focussing Ring

CO7083B 83mm Diam Holder/ Focussing Ring

UM7005B 50mm Diam Holder/ Focussing Ring

UM7006B 45mm Diam Holder/ Focussing Ring

All with coarse/fine coaxial, tension adjustable focus knobs:

COAFF76B 76mm Diam Holder/ Focussing Ring

COAFF83B 83mm Diam Holder/ Focussing Ring

UM7007B 50mm Diam Holder/ Focussing Ring

UM7008B 45mm Diam Holder/ Focussing Ring

Other size holders are available please enquire

OTHER ACCESSORIES

Product Code

End Arbours (instead of 25mm diam)

COEA30C 30mm diameter with E-Arm Spigot

COEA32C 32mm diameter with E-Arm Spigot

G-Clamp

COGCL-V7C G-Clamp for COV7A (60mm max opening)



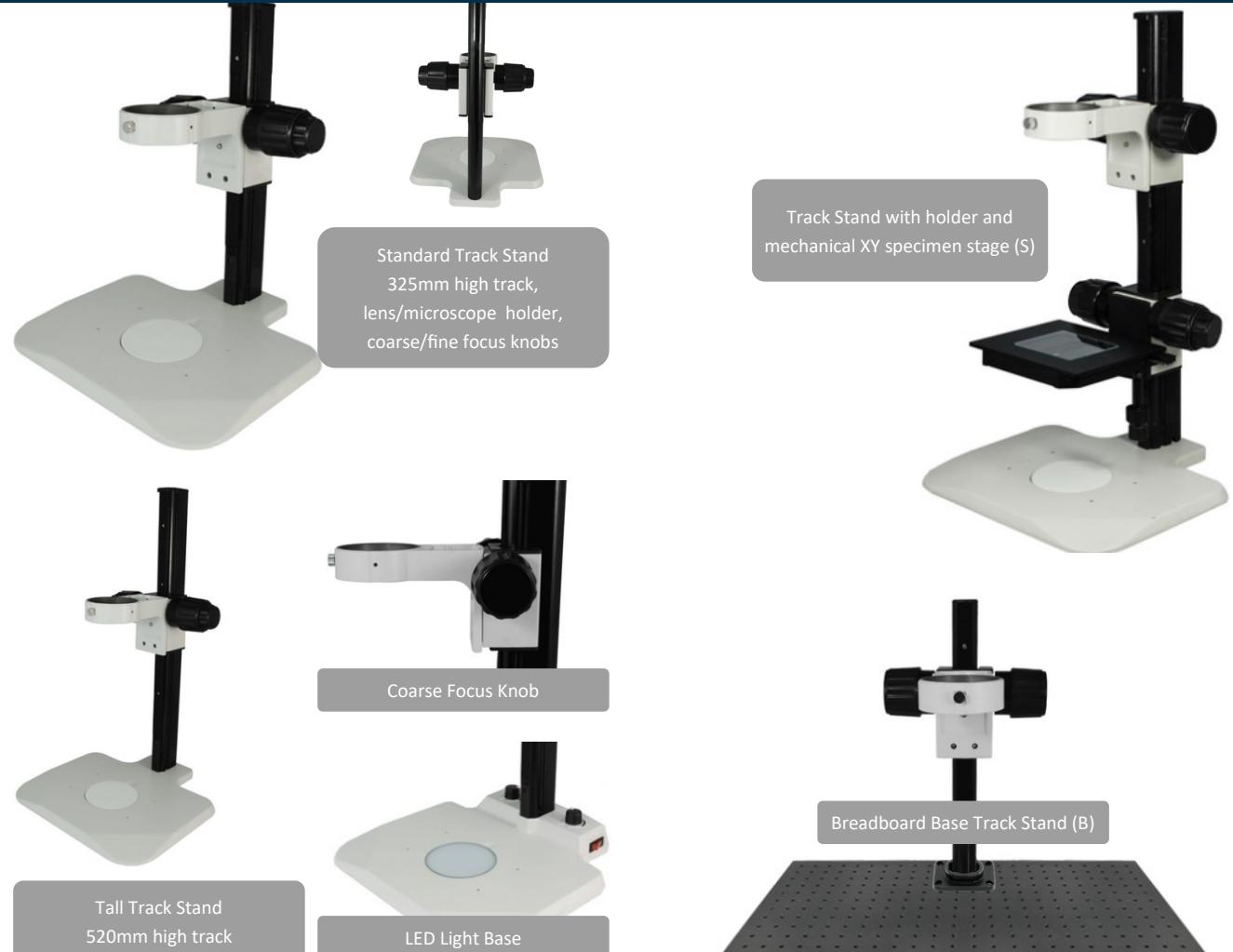
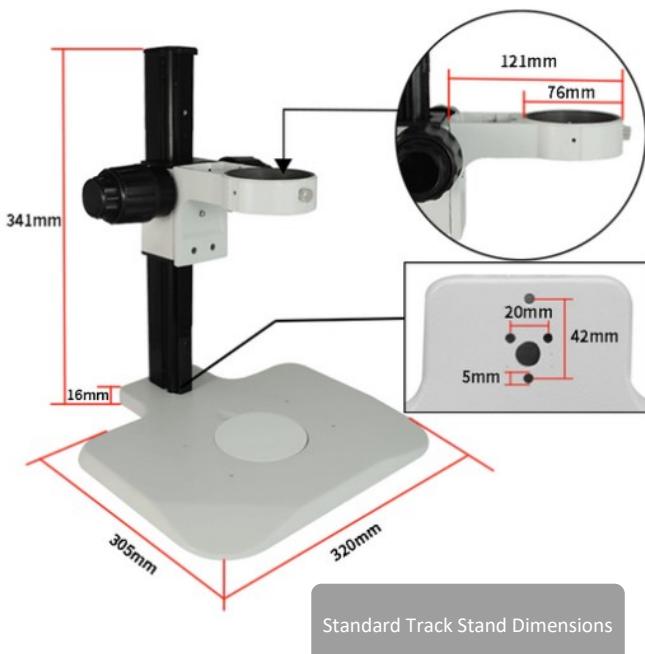
TR-Pro Series Versatile Track Stands for Photography and Microscopy

Ultramacro's TR-Pro series of track stands together with a choice of lens holders / focussing rings are ideal for high magnification photography and microscopy requiring a high degree of control on all aspects of the imaging task.

VERSATILE LARGE RANGE

There is an extensive choice of tracked pillar heights, base types, mounts and holders, illumination and specimen stages. Track mounted components are delivered pre-mounted.

All stands shown here are with a 76mm microscope holder you can choose any holder size or camera mount



Specifications:

Track Height (mm) 325 std 520 tall (plus base)

Pillar Type Toothed most of length

Base (mm) 320x305 (320x316 LED)

Focus Travel (mm) approx. 200 std 375 tall

TR-Pro Series Versatile Track Stands for Photography and Microscopy

TR-Pro TRACK STANDS

Product Coding

UM14*****B Standard Track Stand with 325mm high track (must be purchased with at least 1 holder see below)

UM15*****B Tall Track Stand with 520mm high track (must be purchased with at least 1 holder see below)

****39CFF**B Stand with 39mm diameter lens/microscope holder with coarse and fine focus knobs

****45CFF**B Stand with 45mm diameter lens/microscope holder with coarse and fine focus knobs

****50CFF**B Stand with 50mm diameter lens/microscope holder with coarse and fine focus knobs

****76CFF**B Stand with 76mm diameter lens/microscope holder with coarse and fine focus knobs

****84CFF**B Stand with 84mm diameter lens/microscope holder with coarse and fine focus knobs

****TMCFF**B Stand with 1/4" tripod mount camera holder with coarse and fine focus knobs

****39COF**B Stand with 39mm diameter lens/microscope holder with coarse focus knobs

****45COF**B Stand with 45mm diameter lens/microscope holder with coarse focus knobs

****50COF**B Stand with 50mm diameter lens/microscope holder with coarse focus knobs

****76COF**B Stand with 76mm diameter lens/microscope holder with coarse focus knobs

****85COF**B Stand with 84mm diameter lens/microscope holder with coarse focus knobs

****TMCOF**B Stand with 1/4" tripod mount camera holder with coarse focus knobs

*****L*B Stand with Adjustable Intensity LED base and frosted glass insert

*****B*B Stand with 300x450x13mm breadboard base (no LED illuminated base available)

UM15*****SB Stand with mechanical XY specimen stage (185x140x23mm Travel:76x50mm) Tall stand only

EXAMPLES

UM1576CFFLB Tall Track Stand with 76mm holder, coarse/fine focus and LED illuminated base

UM1439COFBB Standard Track Stand with 39mm holder, coarse focus knobs and breadboard base

UM1550COFLSB Tall Track Stand with 50mm holder, coarse focus knobs, LED illuminated base and XY Stage



1/4" tripod mount camera holder with coarse/fine focus knobs (TMCFF)



39mm diameter lens/microscope holder with coarse and fine focus knobs (39CFF)



Base inserts



OTHER ACCESSORIES

Product Code

95mm x 5mm Diameter Round Base Inserts

(1 incl as standard with each stand -excl breadboard)

UM16CGC Clear glass (incl with LED base)

UM16BWC Reversible black/white (incl in all bases)

UM16FGC Frosted glass

SLRB Series Super Long Reach Balanced Articulated Arm for Photography and Microscopy

The SLRB arm is designed for use by professionals requiring an extremely stable articulated arm with superb balance. This is the same type of arm stand that is used in critical areas such as operating theatres and photographing extremely valuable artworks and collections. This arm can be used for any purpose and with any type of camera, lens and microscope.

The arm terminates in a 32mm diameter 'end arbour' pole. The 'end arbour' is the short pillar at the end of the arm onto which various focussing rings and mounts can be attached as shown. The end arbour can also be angled into any position and locked.

VERSATILE

This arm can be used with any lens or camera that can be supported in the focussing ring. The optional 1/4 inch tripod mount focussing mount (CO7013B) can also be used to mount cameras. Shown here it has a microscope focussing ring attached.

The SLRB arm is supplied with a heavy duty bench G-clamp and can also be mounted onto an optional heavy duty wheeled floor stand or wall mount.

ARTICULATIONS

This arm has 4 articulation/swivel points and a clampable pneumatically balanced height adjustment. This makes it extremely easy to manoeuvre into position.

Product Code

UM1450C SLRB arm with bench mount

ACCESSORIES - MOUNTS

Product Code

UM1451C Wall mount for UM1450C

UM1452C Floor stand for UM1450C

UM16FGC Frosted glass



ACCESSORIES - FOCUSING RINGS / HOLDERS

To fit onto the 32mm diameter end arbour

Product Code

All with standard, tension adjustable focus knobs:

CO7013-32B Focussing Mount with 1/4in Tripod Mount

CO7076-32B 76mm Diam Holder/ Focussing Ring

CO7083-32B 83mm Diam Holder/ Focussing Ring

UM7005-32B 50mm Diam Holder/ Focussing Ring

UM7006-32B 45mm Diam Holder/ Focussing Ring

All with coarse/fine coaxial, tension adjustable focus knobs:

COCCF76-32A 76mm Diam Holder/ Focussing Ring

COCCF83-32A 83mm Diam Holder/ Focussing Ring

UM7007-32B 50mm Diam Holder/ Focussing Ring

UM7008-32B 45mm Diam Holder/ Focussing Ring

Other size holders are available please enquire

Horizontal Lens Mount Stand

The Horizontal Lens Mount by Ultramacro is the latest release in a series of products aimed at giving users of high magnification optics fine control over their lens and specimen positioning. This makes the whole process of obtaining high quality images at high magnifications quicker and easier.

This system comprises of a 50mm diameter lens clamp which is mounted onto a rack and pinion which is controlled by a knob. Turning the knob moves the lens mount vertically through 42mm of travel. The lens is then pointing at an XY stage which can be very easily and very accurately moved in both axes using the drop-sided coaxial control knobs. In this set up the 'Y' axis effectively becomes the focus axis. The XY stage has vernier scales on both axes.

The system is ideally suited for use with the ultraVU-MTPro or ultraVU-EL high magnification zoom lenses. Please note that the working distance of the optics used can be no smaller than about 70mm.

Take a look at the demonstration video on our website.

After setting the correct height for the lens with the camera attached, it may be wise to support the camera, we recommend our Adjustable Vertical Stage

Specifications:

Base L x W x H (mm) 380 x 260 x 22

Inner Diam. Lens Holder (mm) 50

Vertical Travel of Lens Holder (mm) 143-185

Stage Travel X/Y (mm) 77 / 40



Product Code

UM6950B Horizontal Lens Mount Stand

Other Stand Accessories

Product Code

UM16DCB Monitor Holder with Clamp for 4-13" monitors for track and pillar stands (clamp opening 13.5-30mm)

OPTICAL BREADBOARD

UM16BBB Optical Breadboard 600x300x13mm 25x25mm pitch M6 holes Metal

UM16MKTB Mounting Kit for Track

UM16MKRB Mounting Kit for 29mm Diameter Pillar

FOCUSING RING INTERNAL DIAMETER ADAPTERS

UM16FRA76-50B Focussing Ring Internal Diameter Adapter 76mm-50mm

UM16FRA76-45B Focussing Ring Internal Diameter Adapter 76mm-45mm

UM16FRA76-40B Focussing Ring Internal Diameter Adapter 76mm-40mm

UM16FRA76-39B Focussing Ring Internal Diameter Adapter 76mm-39mm

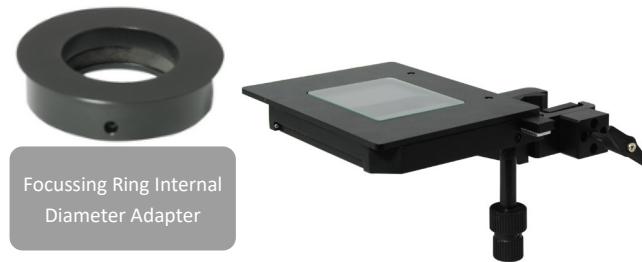
Other focussing ring adapters are available, please enquire

ATTACHABLE XY STAGES

UM16STA01B XY STAGE WITH CLAMP 185x140mm stage, 76x50mm travel, 0-32mm clamp opening, glass window



UM16DCB Monitor Holder



Focussing Ring Internal
Diameter Adapter



UM16STA01B Clampable XY Stage



UM16BBB Optical Breadboard and Mounting Kits



This datasheet shows just part of our range of stands and accessories for photography and microscopy. If you require something different or a bespoke design we have many other products available and a specialist team who can help you.

High magnification photography and microscopy requires many other accessories such as specimen stages, illumination systems, specimen holders, polarisers and lenses.

Visit www.ultramacro.co.uk to see our full range.

Ultramacro Ltd is part of the 'Optics Imaging and Automation Group' which is a group of leading UK optics businesses with common share ownership who design, manufacture and distribute microscopes, scientific and industrial cameras, telescopes, binoculars and magnifiers. We also have a number of major affiliated businesses in the field of optics with whom we collaborate closely. Together we are the largest group of optics related enterprises in Europe, we are based in and originate from the UK. We are a friendly, enthusiastic and knowledgeable team, always happy to help our customers with advice and our view on what would be best to consider as a purchase.

Due to our policy of continuous product development the exact appearance and specifications of products will vary over time.

www.ultramacro.co.uk

The Ultramacro logo, featuring a stylized 'um' in yellow inside a square, with the word 'ultramacro' in a white serif font below it.